




























Busch-Jaeger Wiring Accessories.
Catalogue 2012

Flush-mounted product range	<i>alpha bs</i> [®]	26	
Flush-mounted inserts	Accessories	44	
Flush-mounted product ranges	<i>carat</i> [®]	66	
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	Busch- <i>axcent</i> [®]	118	
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Flush-mounted, water-protected	All weather 44 [®] (IP 44)	196	
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Hotel solutions	Guest room management system Mediahub, Audio, Video, Tel and PC Integration, socket outlets Ambient, Orientation and Infolight Miditec Access Control Systems	220	
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ABB/Busch-Jaeger on market leadership.

Leadership means responsibility, responsibility which we take for more than 130 years of providing our customers and partners with innovative products and reliable services. The trust we are given is a responsibility and motivation for building up a great mutual future.

Since 1879, quality and reliability have been top priority at ABB/Busch-Jaeger. This applies to products and services equally. Our multiple award-winning products and solutions have made us the market leader, the same as our comprehensive services have made us a trusted partner for electrical installers and our customers.

Due to the close cooperation with our trading partners, customers, and referrers from the architectural sector, we have over many years been able to establish systems without equal in the area of private household and functional building control. As a member of the ABB Group, we have

powerful partners to support us in the area of development. The high standing of the ABB/Busch-Jaeger brand rounds off the high quality of your property and promotes the retention of its value.

Also in the future we want to assert our market leadership and for this reason we will continue to rely on our close relationship with our partners and customers as well as the innovative power of our company in Germany, which we still consider the basis for our quality in spite of our internationalization.





Our main production facility, in Lüdenscheid, Germany. on a total area of 115.000 m² with more than 700 employees.



Logistics Centre
at the headquarters in Lüdenscheid



ABB/Busch-Jaeger
Customer training centre



The factory in Aue with a
production area of 14.000 m²

ABB/Busch-Jaeger on comfort.

Life becomes easy. Because today “less” is required to improve the quality of life. Intelligent technology takes care of everyday activities in just few seconds. The house is turned into a home. A room into living space with a pleasant ambience. With a cosy atmosphere. An optimum climate. With a colourful display of light and sound. Switched and controlled by ABB/Busch-Jaeger.

Comfortable functionality creates freedom and brings your home back to life every day. The house control systems of ABB/Busch-Jaeger practically think for themselves and can be flexibly adapted to all kinds of requirements. No matter whether you want to increase energy efficiency, design an individual atmosphere, or fulfil your need for security. Due to the innovative operating concepts like the unique priOn colour concept for fast access to the desired control items you can intuitively create a completely new experience and

monitor and organize your home from anywhere with your finger tips.

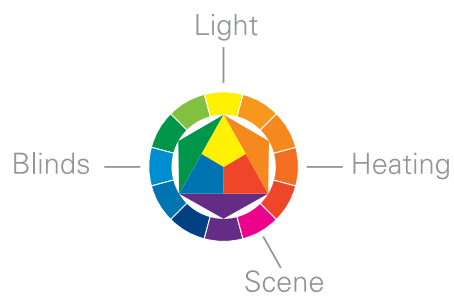
Comfort, however, also means very simple installation due to coordinated, easily combinable systems. Users are pleased with the intuitive, comfortable applications.

**Everyday experiences thus become personal.
Networked, and fascinatingly easy.**

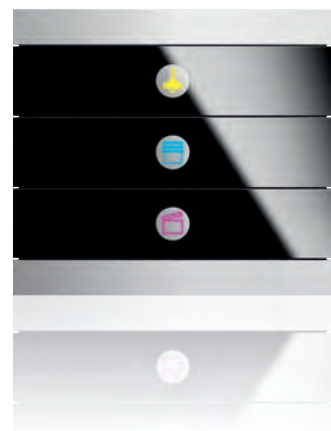


The colour concept of Busch-priOn® makes the control area conceivable Quick and Easy:

- Lighting control is yellow like the sun
- Blind functions are blue like the sky
- Climate control functions are orange to suggest warmth
- Living scenes are magenta to suggest quality of life



Busch-priOn®



Safety and ABB/Busch-Jaeger

Security means more than just protection from burglars. It is the feeling of being in a safe haven, the certainty of being protected and of being in control at all times. This is where modern electronic solutions have much to offer – while at the same time supplying comfort and quality of life.

The fundamental principle today is prevention – with the correct lighting, with electric blinds or self-programming presence simulation. The large display of the Busch-ComfortTouch® provides a complete overview of everything. It informs about weather forecasts, visitors at the front door or unforeseen occurrences to which one can respond even via smartphone.

A multitude of ABB/Busch-Jaeger products provide protection in handling electricity – inside and outside.

Safety is a fundamental need of a human being. It is only when he feels secure that he is in a position to recharge himself and to enjoy other things.



Window and door monitoring

Busch-Radio-Control detects the position of window handles via sensors – this is shown on a display. It is seen at a glance whether, for example, the cellar door is locked when one goes to bed or leaves the house.



Outside monitoring

Movement detectors reliably monitor the outside areas of buildings. The high-quality Busch-Watchdog, proven over many years, welcomes the residents or visitors with a bright light and chases away unwelcome guests.



Protection from danger

Several products offer safety in handling electricity. FI-SCHUKOMAT, in case you run over the cable while mowing the lawn, for example. Socket outlets with integrated and increased shock protection, in case children start tampering with them. Or the Busch-Protector® in case lightning strikes in the neighbourhood.



Alarm function

Modern electrical engineering solutions such as Busch-Infoline® are of assistance since they indicate at a different location if something does not operate according to plan. The system is just as suitable for emergency calls as it is for monitoring critical areas.



Building monitoring

Access control with the Busch-ComfortTouch® and remote control via smartphone provide an overview and keep everything under control. Presence simulation makes the house look occupied and gives peace of mind during the holiday.



Protection after nightfall

Twilight switch and movement detector by ABB/Busch-Jaeger perform valuable services. And the Busch-Smoke alarm detector or the Busch heat detector also ensure a good night's rest because they detect all development of smoke while one is asleep.

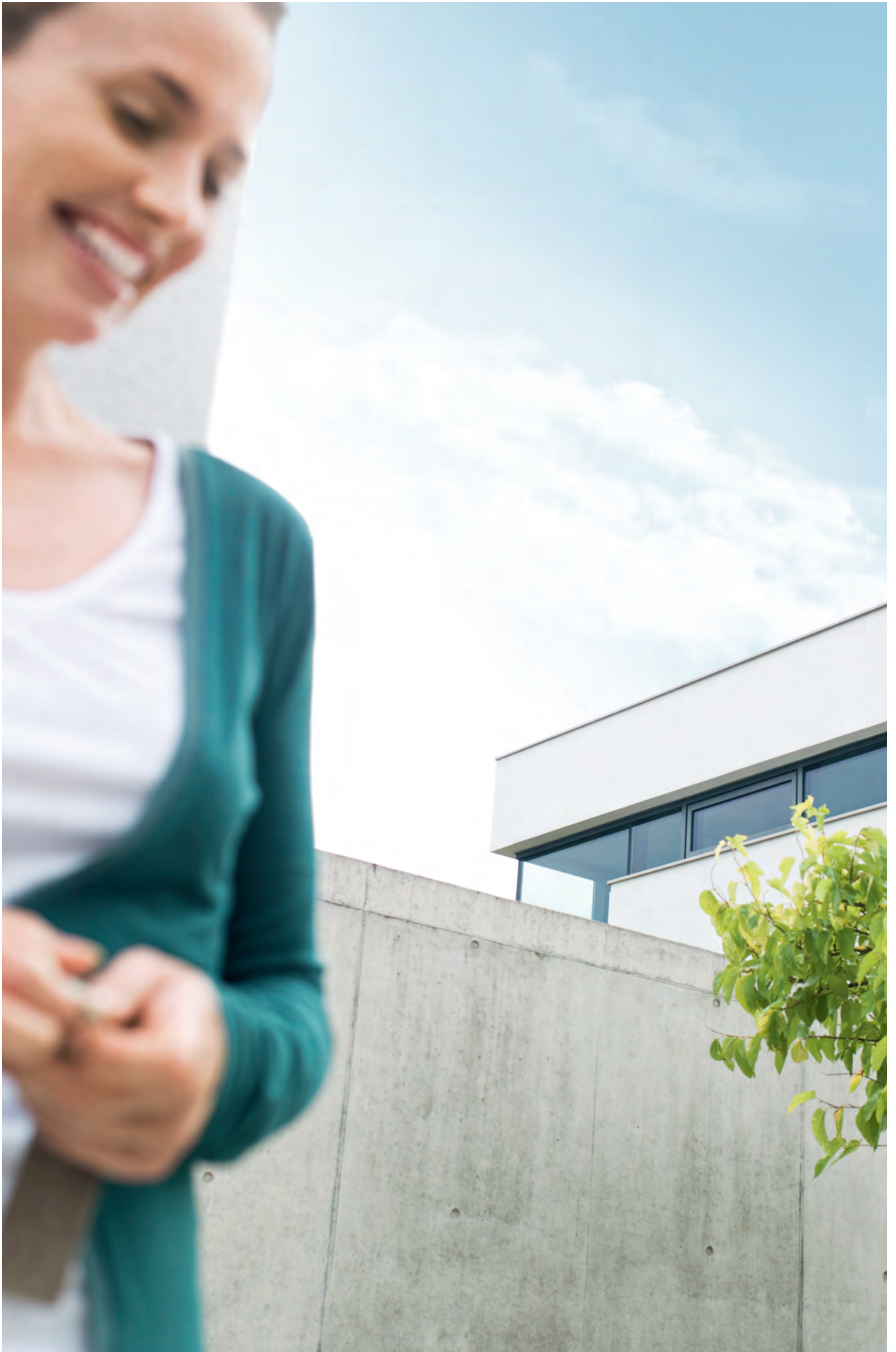
ABB/Busch-Jaeger on sustainability.

Energy and efficiency – two key terms of the future that already today open up new living space. So when much is to be achieved with as little effort as possible – SmartEnergy from ABB/Busch-Jaeger provides it. With up-to-date information about consumption data for power, water or gas – with intelligent control systems for the individual energy management of tomorrow.

The new generation of house and building control of ABB/Busch-Jaeger adapts to the changed habits and requirements for an environmentally conscious life. Innovative switching technology and concepts for a clear reduction in the power consumption provided. Intelligent connections of the complete house control system with useful information and entertainment functions create synergies and save additional consumption.

With their versatile networking capability, ABB/Busch-Jaeger products enable easy, impressive control of all parts of your home without restricting the quality of living and operating comfort.

Responsible and sustainable behaviour thus becomes a daily experience.



ABB/Busch-Jaeger on design.

Design shapes our life. Design visualises our demands. Design excites interest in function. With its multiple award-winning design, ABB/Busch-Jaeger provides suitable, future-looking, formally and functionally excellent room control systems. The range of our designs fulfils every individual taste.

The multiple award-winning design of ABB/Busch-Jaeger is characterised by the harmonisation of form and function. Optics, haptics, and intuitive user guidance are equally designed for offering users with the highest demands on style and comfort a trend-setting building control system.

Select materials, innovative refinement technologies and intelligent modelling, however, not only care for comfortable use, but also fulfil all customer demands on suitability for daily use and long-term customer satisfaction.

The versatile network capability combines complete house control with useful information and entertainment functions. All living spaces can thus be controlled and monitored intuitively and comprehensively.

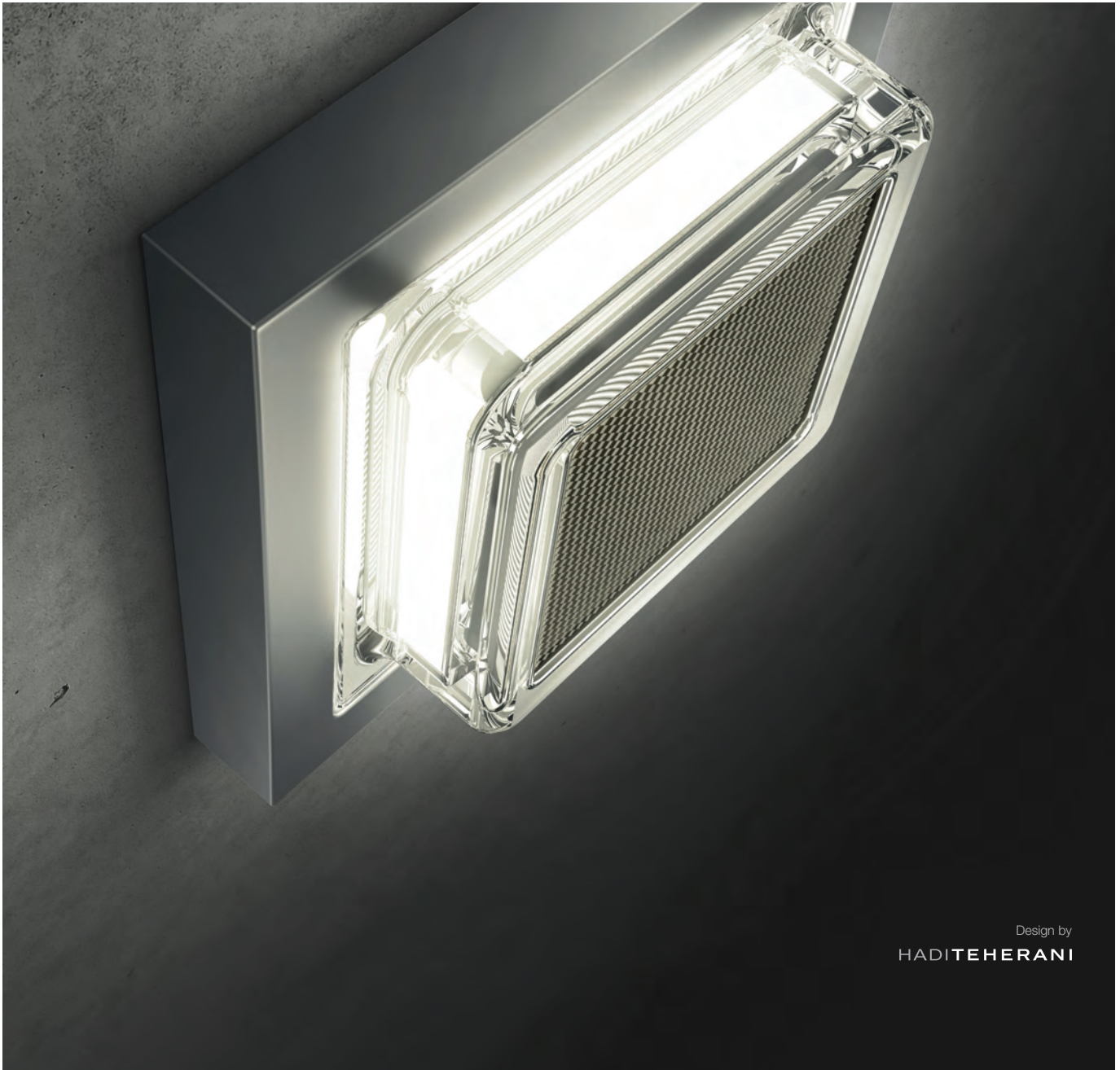
Design gives function additional fascination. That is why with Busch Jaeger designs for all types of individual requirements can be created.



DESIGN PLUS



reddot design award



Design by
HADITEHERANI

Design awards

The following products have won awards

- 01 Busch-iceLight®
 reddot design award, product design
 interior innovation award
 Design Award Germany, nominated
- 02 pure stainless steel
 reddot design award, product design
- 03 Busch-priOn®
 reddot design award, best of the best
 Focus Open, Designpreis
 Design Plus, powered by Light+Building
 Design Award Germany, nominated
- 04 Busch-ComfortTouch®
 reddot design award, best of the best
 Good Design Award, Chicago
 Design Award Germany, nominated

01



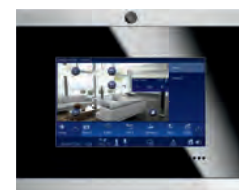
02



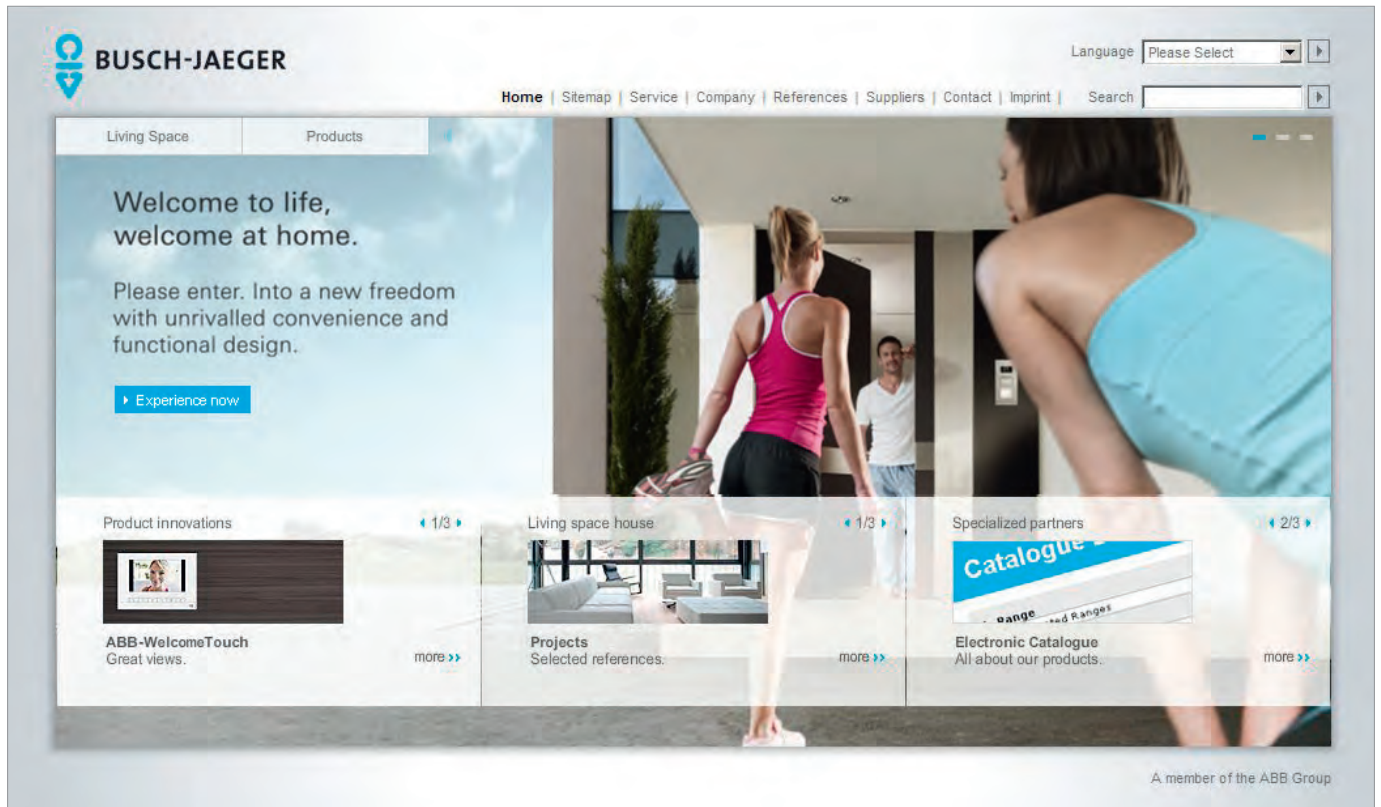
03



04



ABB/Busch-Jaeger on possibilities.



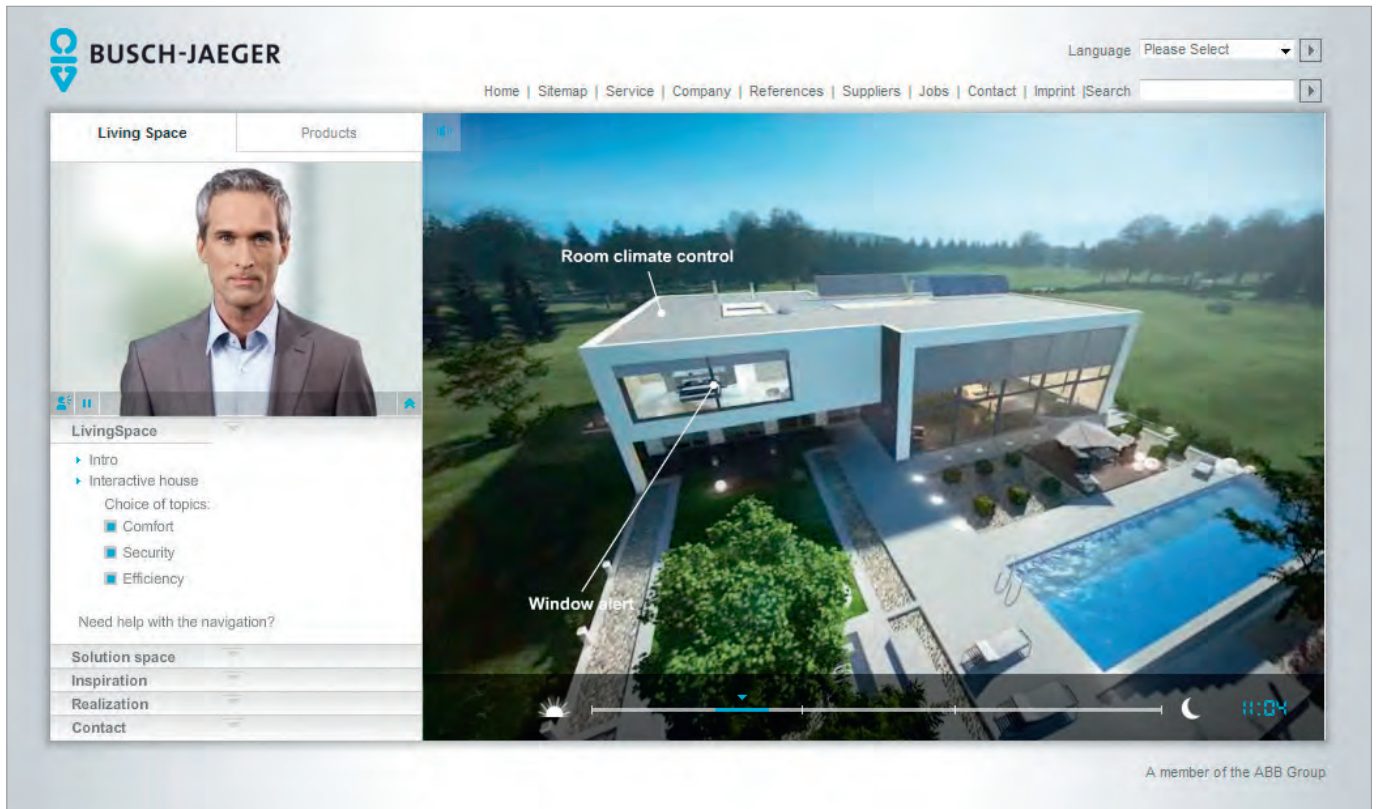
The knowledge of possibilities creates inspiration. Living Space® ABB/Busch-Jaeger has created a virtual world on its Web page that provides a direct overview of the functions and possibilities offered by ABB/Busch-Jaeger.

Living spaces change and experience a new definition. Bathrooms become wellness oases, kitchens turn to communication centres, and living areas become personalized habitats.

Living Space® by ABB/Busch-Jaeger opens up unique living comfort through intelligent home control – and provides the suitable product and solution for each living space and for each desired application. With the interactive Living Space® on the Internet, ABB/Busch-Jaeger makes each fascinating

possibility a reality. Two special highlights: the consultant who guides one through the world of Living Space® obligingly and with consummate ease. And the interactive house in which one can online discover the fascinating functions during the course of a virtual day. This is called real inspiration in a virtual world.

www.BUSCH-JAEGER.com



Comfort

Sit back and enjoy: multimedia and lighting, heating and communication – the intelligent home that adapts itself perfectly to its residents.

Safety

A nice feeling: automatic monitoring functions, time programs, presence simulation – safety is created from network interaction.

Efficiency

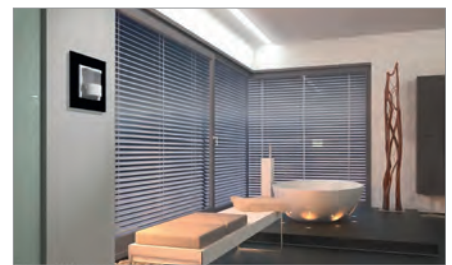
Everything perfectly adjusted: for example, control of blinds, light and temperature as required – with a savings and a feel-good effect.



Audio/video
Communication
Transgenerational facilitation
Design

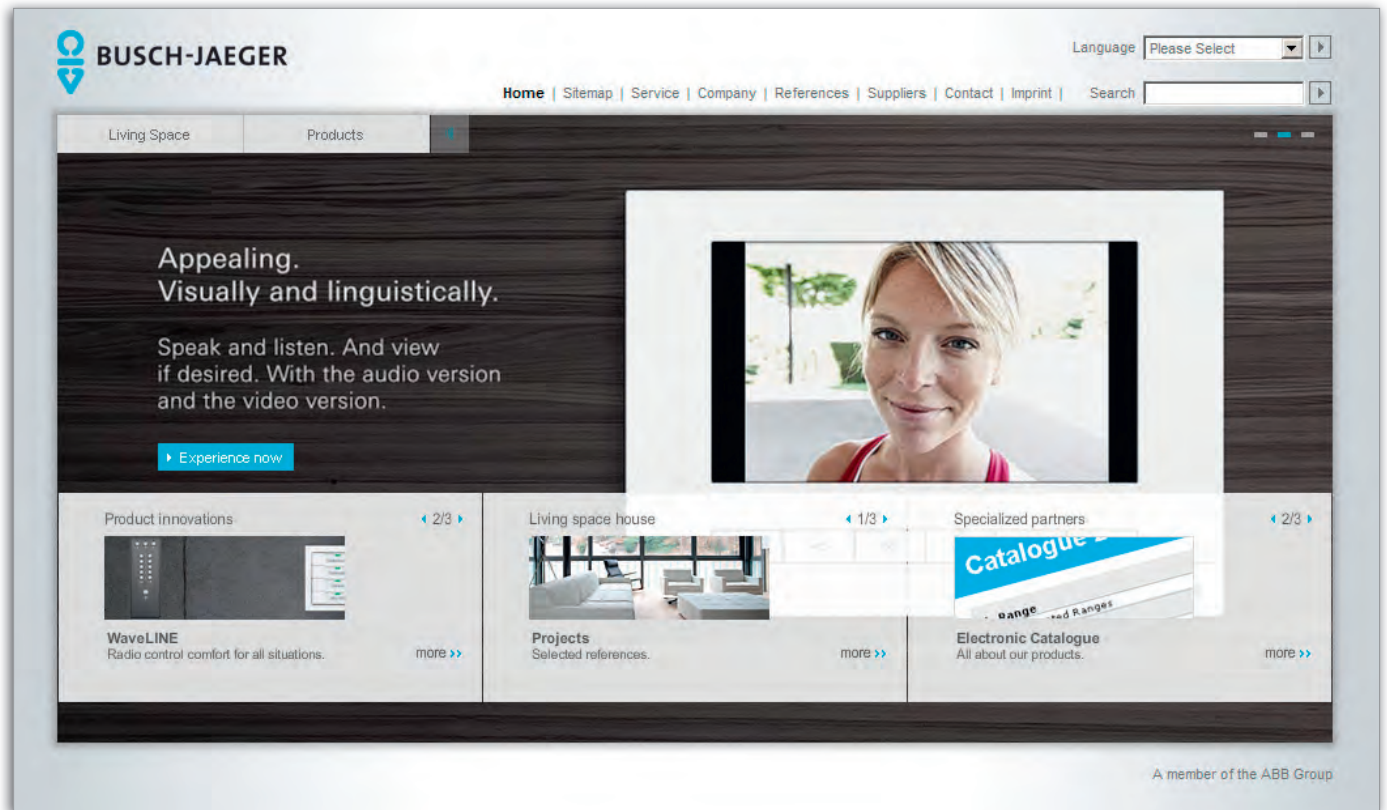


Window and door monitoring
Outside monitoring
Protection from danger
Alarm function
Building monitoring
Protection after nightfall



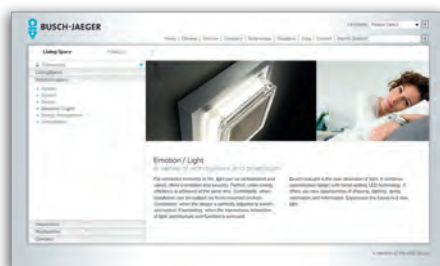
Automatic illumination
Building control
Light control

ABB/Busch-Jaeger on ideas and implementation



Solution Space

From the system via control and design, up light scenes and energy management: here the power of network solutions is experienced firsthand.



System
Control
Door communication
Design
Emotion/light
Energy management
Competence

Inspiration

Suggestions in word and picture: inspiring projects and the latest trends give rise to ideas that can become a fascinating reality with ABB/Busch-Jaeger.



Projects
Spaces
Trends

Realization

The plan becomes a reality: the design of living space becomes a success – with tips from ABB/Busch-Jaeger and the online search for expert partners.



Planning of new buildings
Planning in existing buildings
Contact

Image database

www.BUSCH-JAEGER-MEDIA.com

At www.BUSCH-JAEGER-MEDIA.de we provide you with various image data that you are permitted to use for editorial, advertising and presentation purposes.

The ABB/Busch-Jaeger-MEDIA database is divided into the sectors of "Complete devices", "Catalogue images" and "Miscellaneous". In the last sector you will find interior images, movies, logos as well as additional images about the ABB/Busch-Jaeger enterprise.

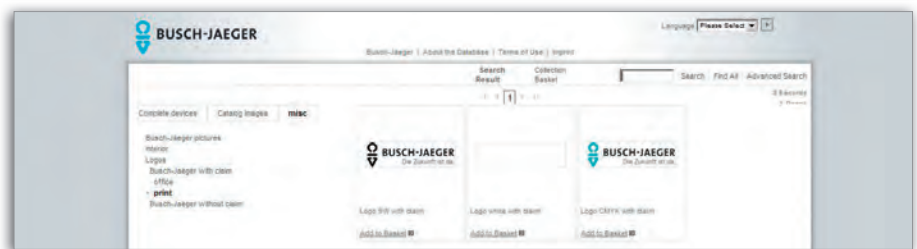
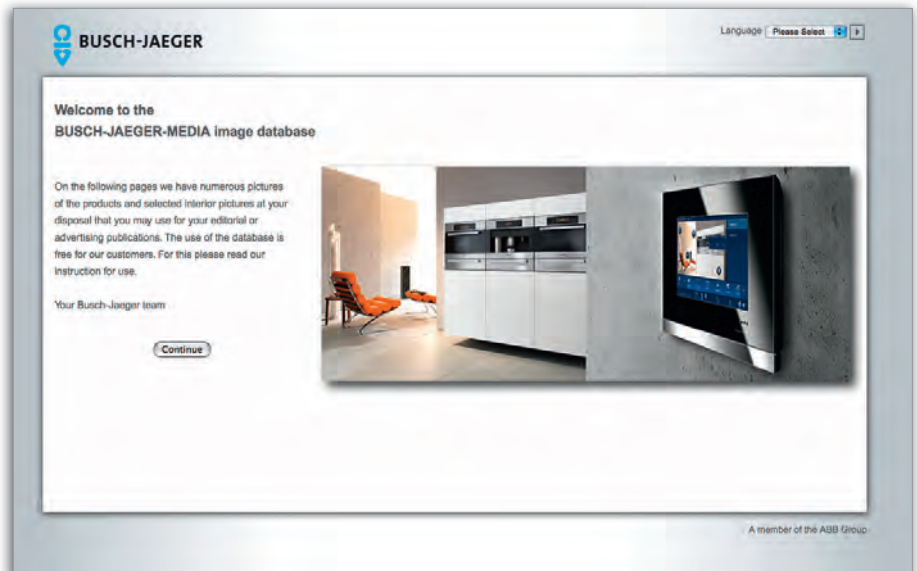
The following formats and scales of quality are available to you for downloading:

ORIGINAL (logo): without colour conversion or change

POWERPOINT (RGB 150 dpi jpg): colour mode RGB for use in PowerPoint/Word

PRINT (4C jpg): colour mode CMYK for use in digital and offset printing

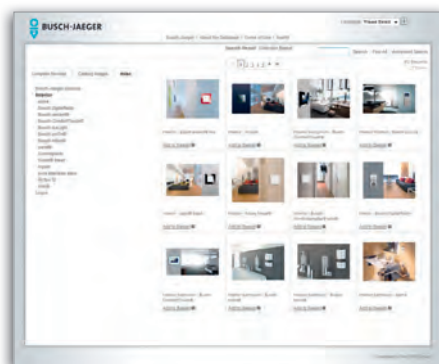
WEB (RGB 72 dpi JPG): colour mode RGB for use in the Web



In the image database we make available to you numerous product photos and selected interior images for

easy downloading. The use of the database is without charge.

In the window "Extended search" you can quickly find the desired image with the assistance of specific search criteria.



ABB/Busch-Jaeger on service.

www.BUSCH-JAEGER-CATALOGUE.com



www.busch-jaeger-catalogue.com



online parts list

For us, customer service means being at the side of our partners and customers with all our services, solutions, and knowledge. Whether round the clock on the Internet, by telephone and fax during business hours, or personally by appointment on site – ABB/Busch-Jaeger is there wherever you need us.

Project planning and folder lists. The ABB/Busch-Jaeger online catalogue offers direct access to a complete overview of all products and applications of ABB/Busch-Jaeger. Here you will find all product details, including descriptions, product manuals, wiring diagrams and dimensional drawings.

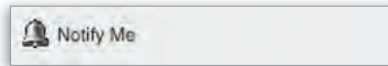
In many areas, **tip and tricks** provided in advance make sure that you are prepared for your installations. Unnecessary trips for repairs or missing parts are thus prevented.

The **online parts list** provides with perfect project planning down to the last detail. In the front, you can already configure all parts you need. The system informs you automatically about the necessary elements.

You will obtain a complete **list of all individual items** with specification text, article number and order code. You can thus provide your own customers with a precise information.



Product information and application support



E-mail notification when updating

Product information and application support

The ABB/Busch-Jaeger Support Centre provides direct access to almost all information on our products, applications, and solutions. From brochures and software to detailed installation instructions.

Simple search via keyword for the article number or filter according to search criteria:

Catalogue / brochure, e-catalogue, offer planner, manuals / technical data / operating instructions for the areas of KNX or conventional, software, master data (BMECat, ETIM, GAEB, Elda-Datanorm), media (pictures, films), press, FAQ or miscellaneous.

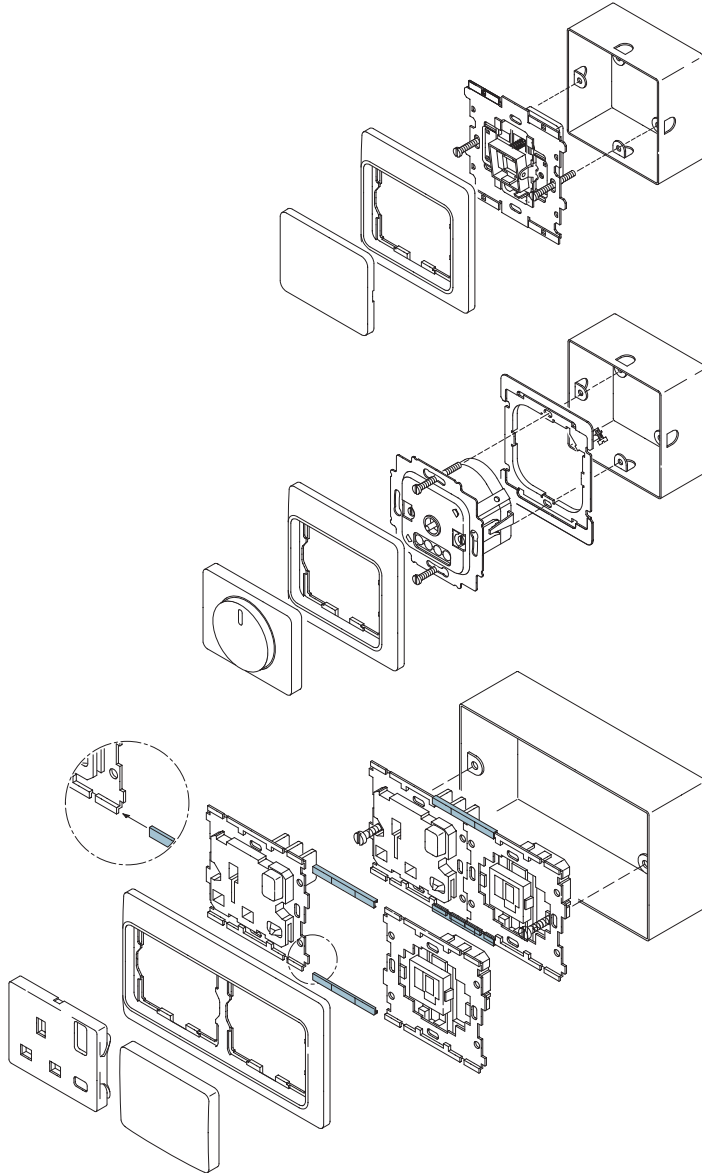
In every desired zone, the special feedback function “I would like to be notified” sends a message as soon as something is updated. You are thus always informed about the technical status of your installations and can download the latest updates directly.

Please note that, for the use of the of the Support Centre in your Internet browser, you must deactivate the POPUP BLOCKER.

Attention: In future, our entire catalogue will only be available from the Support Centre as a download in digital form (e-catalogue). If you wish, the Support Centre will inform you about current updates automatically.

British Standard – *alpha bs*®

British Standard –
alpha bs®



alpha bs® offers a wide range of products for innovative installations.

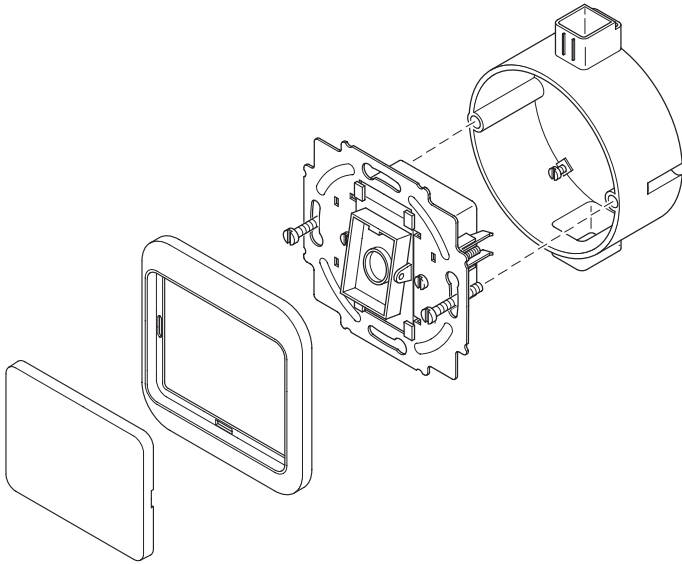
Specialities, like electronic devices, are to be installed with the help of an adapter plate.

With two mounting clips the most common products can be combined freely in a conventional 2gang box.

German Standard

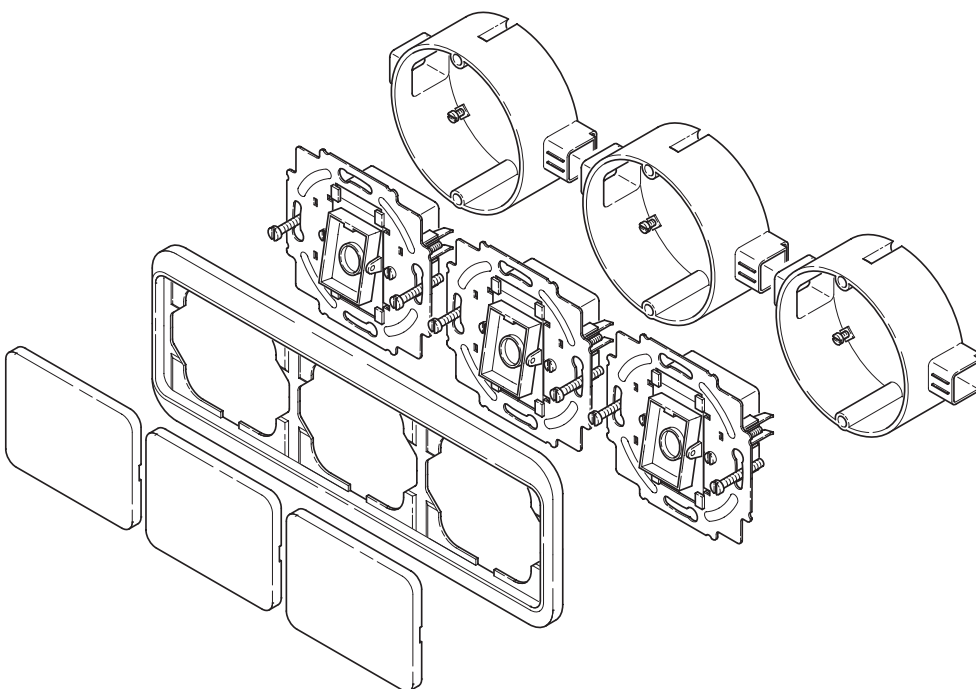
– Busch-Duro 2000® SI/SI Linear, Reflex SI/Reflex SI Linear, future® linear, *alpha*, solo®, *impuls*, *carat*®, Busch-axcent®

German Standard –
1gang














All other ABB/Busch-Jaeger product ranges except *alpha bs*® fit. German VDE wallbox that are available in both round (0440) and spare shape (CFBM 122, CFB 122)












German Standard –
multi-gang



For multi-gang applications just add further boxes and take a 2gang, 3gang, 4gang or 5gang cover frame.

		carat®			pure stainless steel	impuls
						
		C. studio white (84) C. similar to RAL 9016 F. bronze (821)	C. studio white (84) C. similar to RAL 9016 F. chrome (826)	C. anthracite (81) C. similar to RAL 7021 F. stainless steel (860)	C./F. pure stainless steel (866)	C./F. alpine white (74) similar to RAL 9010
						
		C. studio white (84) C. similar to RAL 9016 F. stainless steel (860)	C. studio white (84) C. similar to RAL 9016 F. gold (823)	C. anthracite (81) C. similar to RAL 7021 F. glass white (810)		C./F. ivory (72) similar to RAL 1013
						
		C. studio white (84) C. similar to RAL 9016 F. glass white (810)		C. anthracite (81) C. similar to RAL 7021 F. glass black (825)		C./F. black matt (775) similar to RAL 9005
						
		C. studio white (84) C. similar to RAL 9016 F. glass black (825)		C. anthracite (81) C. similar to RAL 7021 F. bronze (821)		C./F. studio white matt (774) similar to RAL 9016
13A BS switched socket outlet	Insert Cover 1gang Frame	2190 EUC-84 included 1721-xxx	2190 EUC-84 included 1721-xxx	2190 EUC-81 included 1721-xxx	2190 EUC-xx included 1721-xxxK	n/a
SCHUKO® socket outlet	Insert Cover 1gang Frame	20 EUC-84 included 1721-xxx	20 EUC-84 included 1721-xxx	20 EUC-81 included 1721-xxx	20 EUC-xx included 1721-xxxK	20 EUC-xx included 1721-xxx
Rocker switch 1gang 1way/ 2 way	Insert Cover 1gang Frame	2000/6 US-506 1786-84 1721-xxx	2000/6 US-506 1786-84 1721-xxx	2000/6 US-506 1786-81 1721-xxx	2000/6 US-506 1786-xx 1721-xxxK	2001/6 U 1786-xx 1721-xxx
Rocker switch 2gang 1way	Insert Cover 1gang Frame	2000/5 US-500 1785-84 1721-xxx	2000/5 US-500 1785-84 1721-xxx	2000/5 US-500 1785-81 1721-xxx	2000/5 US-500 1785-xx 1721-xxxK	2001/5 U 1785-xx 1721-xxx
Rocker switch 2gang 2way	Insert Cover 1gang Frame	2000/6/6 US-500 1785-84 1721-xxx	2000/6/6 US-500 1785-84 1721-xxx	2000/6/6 US-500 1785-81 1721-xxx	2000/6/6 US-500 1785-xx 1721-xxxK	2001/6/6 U 1785-xx 1721-xxx
Push switch 1gang 1way, normally opened	Insert Cover 1gang Frame	2020 US-500 1786-84 1721-xxx	2020 US-500 1786-84 1721-xxx	2020 US-500 1786-81 1721-xxx	2020 US-500 1786-xx 1721-xxxK	2021/6 U 1786-xx 1721-xxx
Rocker switch 1gang 1way/ 2 way with neon	Insert Cover 1gang Frame	2000/6 USGL 1789-84 1721-xxx	2000/6 USGL 1789-84 1721-xxx	2000/6 USGL 1789-81 1721-xxx	2000/6 USGL 1789-xx 1721-xxxK	2001/6 U 1789-xx 1721-xxx
Rocker switch 20A DP with NEON	Insert Cover 1gang Frame	1020/2 USK 1788-84 1721-xxx	1020/2 USK 1788-84 1721-xxx	1020/2 USK 1788-81 1721-xxx	1020/2 USK 1788-xx 1721-xxxK	n/a
Telephone insert single RJ11/12, RJ45 Cat. 3	Insert Cover 1gang Frame	0213 1803-84 1721-xxx	0213 1803-84 1721-xxx	0213 1803-81 1721-xxx	0213 1803-xx 1721-xxxK	0213 1803-xx 1721-xx
Computer insert single RJ45 Cat.5e	Insert Cover 1gang Frame	0216 1803-84 1721-xxx	0216 1803-84 1721-xxx	0216 1803-81 1721-xxx	0216 1803-xx 1721-xxxK	0216 1803-xx 1721-xxx
TV outlet single	Insert Cover 1gang Frame	023x-101* 1743-84 1721-xxx	023x-101* 1743-84 1721-xxx	023x-101* 1743-81 1721-xxx	023x-101* 1743-xx 1721-xxxK	023x-101* 1743-xx 1721-xxx
Rotary dimmer 600 W incandescent lamps	Insert Cover 1gang Frame	2250 U 6540-84 1721-xxx	2250 U 6540-84 1721-xxx	2250 U 6540-81 1721-xxx	2250 U 6540-xx 1721-xxxK	2250 U 6540-xx 1721-xxx
Rotary dimmer 500 VA low-voltage halogen lamps	Insert Cover 1gang Frame	2247 U-500 6540-84 1721-xxx	2247 U-500 6540-84 1721-xxx	2247 U-500 6540-81 1721-xxx	2247 U-500 6540-xx 1721-xxxK	2247 U-500 6540-xx 1721-xxx

solo®

					
C. alpine white (74) C. similar to RAL 9010 F. chrome (726)	C./F. champagne metallic (79)	C./F. studio white (84) similar to RAL 9016	C. studio white (84) C. similar to RAL 9016 F. chrome matt (80)	C. ivory (82) C. similar to RAL 1013 F. chrome matt (80)	C. meteor (803) F. chrome glossy (80G)
					
C. ivory (72) C. similar to RAL 1013 F. solargold (73)	C. aluminum silver (783) F. chrome (726)		C. toscana (87) F. chrome matt (80)		
					
C. blackberry (777) F. chrome (726)			C. yellow (815) F. chrome matt (80)		
n/a	n/a	2190 EUC-84 included 1721-84	2190 EUC-xx included 1721-xx	2190 EUC-xx included 1721-80	2190 EUC-803 included 1721-80G
20 EUC-xx included 1721-xxx	20 EUC-xx included 1721-xxx	20 EUC-84 included 1721-84	20 EUC-xx included 1721-84	20 EUC-xx included 1721-84	20 EUC-803 included 1721-80G
2001/6 U 1786-xx 1721-xxx	2001/6 U 1786-xx 1721-xxx	2000/6 US-506 1786-84 1721-84	2000/6 US-506 1786-xx 1721-xx	2000/6 US-506 1786-xx 1721-80	2000/6 US-506 1786-xx 1721-80G
2001/5 U 1785-xx 1721-xxx	2001/5 U 1785-xx 1721-xxx	2000/5 US-500 1785-84 1721-84	2000/5 US-500 1785-xx 1721-xx	2000/5 US-500 1785-xx 1721-80	2000/5 US-500 1785-803 1721-80G
2001/6/6 U 1785-xx 1721-xxx	2001/6/6 U 1785-xx 1721-xxx	2000/6/6 US-500 1785-84 1721-84	2000/6/6 US-500 1785-xx 1721-xx	2000/6/6 US-500 1785-xx 1721-80	2000/6/6 US-500 1785-803 1721-80G
2021/6 U 1786-xx 1721-xxx	2021/6 U 1786-xx 1721-xxx	2020 US-500 1786-84 1721-84	2020 US-500 1786-xx 1721-xx	2020 US-500 1786-xx 1721-80	2020 US-500 1786-803 1721-80G
2001/6 U 1786-xx 1721-xxx	2001/6 U 1786-xx 1721-xxx	2000/6 USGL 1789-84 1721-84	2000/6 USGL 1789-xx 1721-xx	2000/6 USGL 1789-xx 1721-80	2000/6 USGL 1789-xx 1721-80G
n/a	n/a	1020/2 USK 1788-84 1721-84	1020/2 USK 1788-xx 1721-xx	1020/2 USK 1788-xx 1721-80	1020/2 USK 1788-803 1721-80G
0213 1803-xx 1721-xx	0213 1803-xx 1721-xx	0213 1803-84 1721-84	0213 1803-xx 1721-xx	0213 1803-xx 1721-80	0213 1803-803 1721-80G
0216 1803-xx 1721-xxx	0216 1803-xx 1721-xxx	0216 1803-84 1721-84	0216 1803-xx 1721-xx	0216 1803-xx 1721-80	0216 1803-803 1721-80G
023x-101 * 1743-xx 1721-xxx	023x-101 * 1743-xx 1721-xxx	023x-101* 1743-84 1721-84	023x-101 1743-xx 1721-xx	023x-101 1743-xx 1721-80	023x-101* 1743-803 1721-80G
2250 U 6540-xx 1721-xxx	2250 U 6540-xx 1721-xxx	2250 U 6540-84 1721-84	2250 U 6540-xx 1721-xx	2250 U 6540-xx 1721-80	2250 U 6540-803 1721-80G
2247 U-500 6540-xx 1721-xxx	2247 U-500 6540-xx 1721-xxx	2247 U-500 6540-84 1721-84	2247 U-500 6540-xx 1721-xx	2247 U-500 6540-xx 1721-80	2247 U-500 6540-803 1721-80G

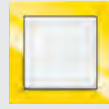
Busch-axcent®

alpha
nea®

alpha
exclusive®



C. studio white (84)
F. studio white (284)



C. studio white (84)
F. yellow (285)
F. similar to RAL 1018



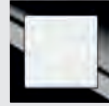
C./F. ivory white (22G)
similar to RAL 1013



nea
C./F. titanium (266)



C./F. ivory white (22G)
similar to RAL 1013



C. studio white (84)
F. black (281)
F. similar to RAL 9005



C. studio white (84)
F. green (286)
F. similar to RAL 6032



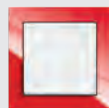
C./F. studio white (24G)
similar to RAL 9016



nea
C./F. palladium (260)



C./F. studio white (24)
similar to RAL 9016



C. studio white (84)
F. red (287)
F. similar to RAL 3020



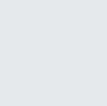
C./F. studio white (24)
similar to RAL 9016



nea
C./F. platinum (20)









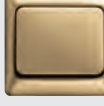
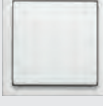
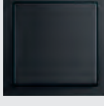












C. studio white (84)
F. blue (288)
F. similar to RAL 5002



nea
C./F. bronze (21)

13A BS switched socket outlet	Insert Cover 1gang Frame	2190 EUC-84 included 1721-28x	2190 EUC-84 included 1721-28x	n/a	n/a	n/a
SCHUKO® socket outlet	Insert Cover 1gang Frame	20 EUC-84 included 1721-28x	20 EUC-84 included 1721-28x	20 EUC-xxx included 1721-xxxx	20 EUC-xxx included 1721-xxxx	20 EUC-xx included 1721 KA-xx
Rocker switch 1gang 1way/ 2 way	Insert Cover 1gang Frame	2000/6 US-506 1786-84 1721-28x	2000/6 US-506 1786-84 1721-28x	2000/6 US-506 1785-xxx 1721-xxxx	2000/6 US-506 1786-xxx 1721-xxxx	2000/6 US-506 1786-xx 1721 KA-xx
Rocker switch 2gang 1way	Insert Cover 1gang Frame	2000/5 US-500 1785-84 1721-28x	2000/5 US-500 1785-84 1721-28x	2000/5 US-500 1785-xxx 1721-xxxx	2000/5 US-500 1785-xxx 1721-xxxx	2000/5 US-500 1785-xx 1721 KA-xx
Rocker switch 2gang 2way	Insert Cover 1gang Frame	2000/6/6 US-500 1785-84 1721-28x	2000/6/6 US-500 1785-84 1721-28x	2000/6/6 US-500 1785-xxx 1721-xxxx	2000/6/6 US-500 1785-xxx 1721-xxxx	2000/6/6 US-500 1785-xx 1721 KA-xx
Push switch 1gang 1way, normally opened	Insert Cover 1gang Frame	2020 US-500 1786-84 1721-28x	2020 US-500 1786-84 1721-28x	2020 US-500 1786-xxx 1721-xxxx	2020 US-500 1786-xxx 1721-xxxx	2020 US-500 1786-xx 1721 KA-xx
Rocker switch 1gang 1way/ 2 way with neon	Insert Cover 1gang Frame	2000/6 USGL 1789-84 1721-28x	2000/6 USGL 1789-84 1721-28x	2000/6 USGL 1789-xxx 1721-xxxx	2000/6 USGL 1789-xxx 1721-xxxx	2000/6 USGL 1789-xx 1721 KA-xx
Rocker switch 20A DP with NEON	Insert Cover 1gang Frame	1020/2 USK 1788-84 1721-28x	1020/2 USK 1788-84 1721-28x	1020/2 USK 1788-xxx 1721-xxxx	1020/2 USK 1788-xxx 1721-xxxx	1020/2 USK 1788-xx 1721 KA-xx
Telephone insert single RJ11/12, RJ45 Cat. 3	Insert Cover 1gang Frame	0213 1803-84 1721-28x	0213 1803-84 1721-28x	0213 1803-xxx 1721-xxxx	0213 1803-xxx 1721-xxxx	0213 1803-xx 1721 KA-xx
Computer insert single RJ45 Cat.5e	Insert Cover 1gang Frame	0216 1803-84 1721-28x	0216 1803-84 1721-28x	0216 1803-xxx 1721-xxxx	0216 1803-xxx 1721-xxxx	0216 1803-xx 1721 KA-xx
TV outlet single	Insert Cover 1gang Frame	023x-101* 1743-84 1721-28x	023x-101* 1743-84 1721-28x	1743-01-xx-500 included 1721-xxxx	1743-01-xx-500 included 1721-xxxx	1743-01-xx-500 included 1721 KA-xx
Dimmer 600 W incandescent lamps	Insert Cover 1gang Frame	2250 U 6540-84 1721-28x	2250 U 6540-84 1721-28x	2250 U 6540-xx 1721-xxxx	2250 U 6540-xx 1721-xxxx	2250 U 6540-xx 1721 KA-xx
Dimmer 500 VA low-voltage halogen lamps	Insert Cover 1gang Frame	2247 U-500 6540-84 1721-28x	2247 U-500 6540-84 1721-28x	2247 U-500 6540-xx 1721-xxxx	2247 U-500 6540-xx 1721-xxxx	2247 U-500 6540-x 1721 KA-xx

	<i>alpha bs®</i>		<i>future® linear</i>		Busch-Duro 2000® SI/ SI Linear/ Reflex SI/SI Linear
					
exclusive C./F. titanium (266)	C./F. ivory white (22G) similar to RAL 1013	C. ivory white (22G) F. gold (23G-101)**	C./F. savanna/ ivory white (82) similar to RAL 1013	C./F. studio white matt (884) similar to RAL 9016	C./F. ivory white (212) similar to RAL 1013
					
exclusive C./F. palladium (260)	C./F. studio white (24G) similar to RAL 9016	C./F. bronze (21)	C./F. studio white (84) similar to RAL 9016	C./F. black matt (885) similar to RAL 9005	C./F. ivory white (212) similar to RAL 1013
					
exclusive C./F. platinum (20)	C./F. titanium (266)	C./F. platinum (20)	C./F. anthracite (81/181 K) similar to RAL 7021		C./F. alpin white (214) similar to RAL 9010
					
exclusive C./F. bronze (21)	C./F. palladium (260)		C./F. aluminum/silver (83/183 K) similar to RAL 9006		C./F. alpin white (214) similar to RAL 9010
n/a	2190 EUCGL/2-xx (DP with neon lamp) 1721 BS-xx	2190 EUCGL/2-xx (DP with neon lamp) 1721 BS-xx	2190 EUC-xx included 1721-1xxK	2190 EUC-xx included 1721-88xK	n/a
20 EUC-xxx included 1721 KA-xxx	20 EUC-xx + APBS included 1721 BS-xx	20 EUC-xx + APBS included 1721 BS-xx	20 EUC-xx included 1721-1xxK	20 EUC-xx included 1721-88xK	20 EUC-xxx included 2511-xxx
2000/6 US-506 1786-xxx 1721 KA-xxx	2002/1 SUBS (1way) or 2002/6 SUBS (2way) 1786-xx/1721 BS-xx	2002/1 SUBS (1way) or 2002/6 SUBS (2way) 1786-xx/1721 BS-xx	2000/6 US-506 1786-xx 1721-1xxK	2000/6 US-506 1786-88x 1721-88xK	2000/6 US-506 2506-xxx 2511-xxx
2000/5 US-500 1785-xxx 1721 KA-xxx	2002/5 SUBS 1785-xx 1721 BS-xx	2002/5 SUBS 1785-xx 1721 BS-xx	2000/5 US-500 1785-xx 1721-1xxK	2000/5 US-500 1785-88x 1721-88xK	2000/5 US-500 2505-xxx 2511-xxx
2000/6/6 US-500 1785-xxx 1721 KA-xxx	2003/6/6 SUBS 1785-xx-101 1721 BS-xx	2003/6/6 SUBS 1785-xx-101 1721 BS-xx	2000/6/6 US-500 1785-xx 1721-1xxK	2000/6/6 US-500 1785-88x 1721-88xK	2000/6/6 US-500 2505-xxx 2511-xxx
2020 US-500 1786-xxx 1721 KA-xxx	2020 UBS 1786-xx 1721 BS-xx	2020 UBS 1786-xx 1721 BS-xx	2020 US-500 1786-xx 1721-1xxK	2020 US-500 1786-88x 1721-88xK	2020 US-500 2506-xxx 2511-xxx
2000/6 USGL 1789-xxx 1721 KA-xxx	2002/1 SUBS (1way) Or 2002/6 SUBS (2way)+8350 1789-xx/1721 BS-xx	2002/1 SUBS (1way) Or 2002/6 SUBS (2way)+8350 1789-xx/1721 BS-xx	2000/6 USGL 1789-xx 1721-1xxK	2000/6 USGL 1789-88x 1721-88xK	2000/6 USGL 2509-xxx 2511-xxx
1020/2 USK 1788-xxx 1721 KA-xxx	1020/2 USKBS-101 1788-xx 1721 BS-xx	1020/2 USKBS-101 1788-xx 1721 BS-xx	1020/2 USK 1788-xx 1721-xxK	1020/2 USK 1788-88x 1721-88xK	1020/2 USK 2508-xxx 2511-xxx
0213 1803-xxx 1721 KA-xxx	0213 + APBS 1803-xx 1721 BS-xx	0213 + APBS 1803-xx 1721 BS-xx	0213 1803-xx 1721-xxK	0213 1803-88x 1721-88xK	0213 1803-xxx 2511-xxx
0216 1803-xxx 1721 KA-xxx	0216 + APBS 1803-xx 1721 BS-xx	0216 + APBS 1803-xx 1721 BS-xx	0216 1803-xx 1721-xxK	0216 1803-88x 1721-88xK	0216 1803-xxx 2511-xxx
1743-01-xx-500 included 1721 KA-xxx	1743-01 BS-xx included 1721 BS-xx	1743-01 BS-xx included 1721 BS-xx	023x-101+ 1743-xx 1721-1xx	023x-101+ 1743-88x 1721-88xK	1743-01-xxx-500 included 2511-xxx
2250 U 6540-xxx 1721 KA-xxx	2250 U + APBS 6540-xx 1721 BS-xx	2250 U + APBS 6540-xx 1721 BS-xx	2250 U 6540-xx 1721-1xxK	2250 U 6540-88x 1721-88xK	2250 U 2115-xxx 2511-xxx
2247 U-500 6540-xxx 1721 KA-xxx	2247 U-500 + APBS 6540-xx 1721 BS-xx	2247 U-500 + APBS 6540-xx 1721 BS-xx	2247 U-500 6540-xx 1721-1xxK	2247 U-500 6540-88x 1721-88xK	2247 U-500 2115-xxx 2511-xxx

alpha bs[®]

Different by design

alpha bs[®]. Your sense of style is unique. With alpha bs[®] switches you can express it in every detail of your home, adding a fresh, innovative touch that will enhance contemporary and traditional interiors alike. Designed to meet the highest safety standards and constructed from the most durable, scratch-resistant materials, alpha bs[®] switches will stay safe and stylish for a lifetime.



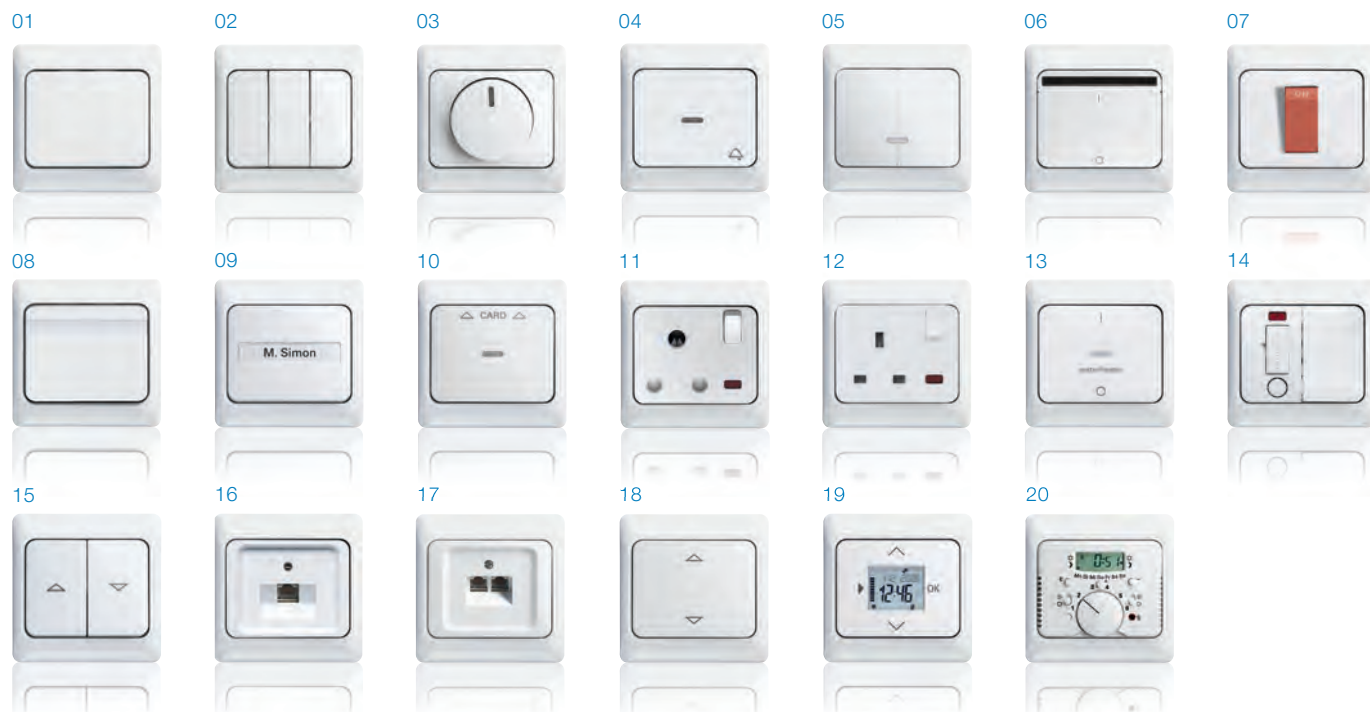


alpha bs®

- 01 Switch/socket outlet
Rocker switch: ivory.
Frame: gold.
 - 02 ivory (22G/22G)
 - 03 studio white (24/24G)
 - 04 palladium (260/260)
 - 05 platinum (20/20)
 - 06 gold/ivory (23G-101/22)
 - 07 bronze (21/21)
 - 08 titanium (94/903)
-

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Busch-Timer®	p. 40
Busch-Blind control	p. 40
Accessories	p. 42



- | | | | |
|----|--|----|--------------------------------------|
| 01 | Rocker switch 1gang | 11 | 15A DP switched socket outlet |
| 02 | Rocker switch 3gang | 12 | 13 A DP switched socket outlet |
| 03 | Busch-Universal rotary dimmer | 13 | 20A DP switch |
| 04 | Doorbell switch | 14 | 13A connection unit with flex outlet |
| 05 | Busch-Memory 2gang dimmer | 15 | Busch-Blind control switch |
| 06 | IR sensor with 1gang control element | 16 | Data communication outlet |
| 07 | 45 A Double pole switch mechanism | 17 | Data communication outlet 2gang |
| 08 | Busch-Comfort switch | 18 | Busch-Blind control II |
| 09 | Rocker switch 1gang with labelling field | 19 | Comfort timer |
| 10 | Card switch | 20 | Room thermostat with display |

The alpha bs[®] switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.

In communication systems/special connector devices you will find the suitable solution for special applications.



Different by design

21



22



23



- 21 Busch-iDock
- 22 DigitalRadio
- 23 Flush-mounted movement detector

24



25

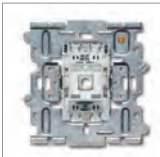


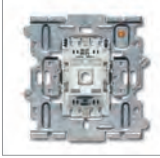
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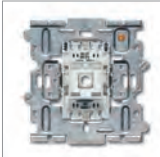



Frames for installation in BS one gang,
two gang and dual gang box.

- 24 Side view: 12 mm x 86 mm
- 25 86 mm x 86 mm
- 26 86 mm x 157 mm


Product	Article-No.	Order-No.	Pack/Qty
	10 AX Rocker Switch Mechanism With screw-type terminal Rated voltage: 250 V~ Rated current: 10 AX BS EN 60669-1, IEC 60669-1		
	1gang 1way, SP 2002/1 SUBS	1012-0-2077	10/100
	1gang 2way SP 2002/6 SUBS	1012-0-2079	10/100
	1gang intermediate 2002/7 SUBS	1012-0-2080	10

	10 AX Push Switch Mechanism 1gang 1way, SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
	2022 SUBS	1413-0-1055	10


	10 AX Push Switch Mechanism 1gang 2way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
	2022/6 SUBS	1413-0-1057	10

	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
	20 platinum ¹⁾ 1786-20 21 bronze ¹⁾ 1786-21 22G ivory 1786-22G 24 studio white matt 1786-24 260 palladium ¹⁾ 1786-260 266 titanium ¹⁾ 1786-266	1751-0-1617 1751-0-1708 1751-0-2482 1751-0-1849 1751-0-2821 1751-0-2832	10/100 10/100 10/100 10/100 10/100 10/100


1) Real metal surface.

	Switch rocker With bell symbol For flush mounted push switch.		
	20 platinum ¹⁾ 1789 KI-20 21 bronze ¹⁾ 1789 KI-21 22G ivory 1789 KI-22G 24 studio white matt 1789 KI-24 24G studio white 1789 KI-24G 260 palladium ¹⁾ 1789 KI-260 266 titanium ¹⁾ 1789 KI-266	1751-0-1641 1751-0-1732 1751-0-2524 1751-0-1872 1751-0-2235 1751-0-2829 1751-0-2840	10 10 10 10 10 10 10

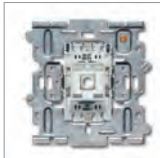
1) Real metal surface.

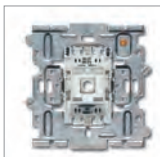
Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With transparent lens. With symbol For flush mounted push switch.		
	20 platinum ¹⁾ 1789 LI-20	1751-0-1633	10
	21 bronze ¹⁾ 1789 LI-21	1751-0-1724	10
	22G ivory 1789 LI-22G	1751-0-2516	10
	24 studio white matt 1789 LI-24	1751-0-1864	10
	260 palladium ¹⁾ 1789 LI-260	1751-0-2828	10/100
	266 titanium ¹⁾ 1789 LI-266	1751-0-2839	10/100


1) Real metal surface.

	Switch rocker With transparent lens. With key symbol For flush mounted push switch.		
	20 platinum ¹⁾ 1789 TR-20 21 bronze ¹⁾ 1789 TR-21 22G ivory 1789 TR-22G 24 studio white matt 1789 TR-24 260 palladium ¹⁾ 1789 TR-260 266 titanium ¹⁾ 1789 TR-266	1751-0-1658 1751-0-1740 1751-0-2532 1751-0-1880 1751-0-2830 1751-0-2841	10 10 10 10 10 10

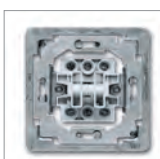
1) Real metal surface.

	10 AX Push Switch Mechanism 2gang 1way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
	2022/5 SUBS	1413-0-1056	10/100


	10 AX Rocker Switch Mechanism 2gang 1way With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 AX BS EN 60669-1, IEC 60669-1		
	2002/5 SUBS	1012-0-2078	10/100

	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
	20 platinum ¹⁾ 1785-20 21 bronze ¹⁾ 1785-21 22G ivory 1785-22G 24 studio white matt 1785-24 260 palladium ¹⁾ 1785-260 266 titanium ¹⁾ 1785-266	1751-0-1682 1751-0-1773 1751-0-2565 1751-0-1914 1751-0-2827 1751-0-2838	10 10/100 10 10 10/100 10/100


1) Real metal surface.


	10 AX Rocker Switch Mechanism 2gang 2way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 AX BS EN 60669-1, IEC 60669-1		
	2003/6/6 SUBS	1012-0-2081	10/100



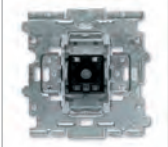
Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker only for flush mounted switch 2g 2w		
20 platinum ¹⁾	1785-20-101	1751-0-2889	10
21 bronze ¹⁾	1785-21-101	1751-0-2706	10
22G ivory	1785-22G-101	1751-0-2890	10
24 studio white	1785-24-101	1751-0-2891	10
260 palladium ¹⁾	1785-260-101	1751-0-2893	10
266 titanium ¹⁾	1785-266-101	1751-0-2894	10


1) Real metal surface.

	16 AX Rocker Switch Mechanism 3 gang 1way, SP screwless terminals Rated voltage: 250 V~ Rated current: 16 AX BS EN 60669-1, IEC 60669-1		
	106/3/1 UBS	1012-0-2076	10/100

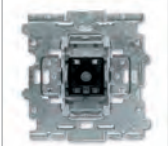
	Switch rocker 3gang,		
20 platinum ¹⁾	1783-20	1751-0-2865	10
21 bronze ¹⁾	1783-21	1751-0-2866	10
22G ivory	1783-22G	1751-0-2867	10
24 studio white matt	1783-24	1751-0-2425	10
24G studio white	1783-24G	1751-0-2433	10
260 palladium ¹⁾	1783-260	1751-0-2877	10
266 titanium ¹⁾	1783-266	1751-0-2878	10


1) Surface painted.

	20 A Double Pole Switch 1gang 1way With screw-type terminal. Rated voltage: 250 V~ Rated current: 20 A BS EN 60669-1, IEC 60669-1		
	1020/2 USBS-101	1020-0-0057	10/100


	20 A Switch Rocker with marking "IO" As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
20 platinum ¹⁾	1786 IO-20	1751-0-2899	10
21 bronze ¹⁾	1786 IO-21	1751-0-2900	10
22G ivory	1786 IO-22G	1751-0-2722	10
24 studio white matt	1786 IO-24	1751-0-2723	10
260 palladium ¹⁾	1786 IO-260	1751-0-2901	10
266 titanium ¹⁾	1786 IO-266	1751-0-2902	10

1) Real metal surface.


	20 A Double Pole Switch 1gang 1way With neon lamp, with screw type terminals. Rated voltage: 250 V~ Rated current: 20 A BS EN 60669-1, IEC 60669-1		
	1020/2 USKBS-101	1020-0-0058	10/100

Product	Article-No.	Order-No.	Pack/Qty
	20 A Switch Rocker With red neon lens and marking As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
20 platinum ¹⁾	1788-20	1751-0-1674	10
21 bronze ¹⁾	1788-21	1751-0-1765	10
22G ivory	1788-22G	1751-0-2557	10
24 studio white matt	1788-24	1751-0-1906	10
260 palladium ¹⁾	1788-260	1751-0-2823	10
266 titanium ¹⁾	1788-266	1751-0-2834	10


1) Real metal surface.

	20 A Switch Rocker ¹⁾ with red neon lens, with marking "water heater" 1gang 1way DP, neon lamp		
20 platinum	1788 WH-20	1751-0-2715	10
21 bronze	1788 WH-21	1751-0-2716	10
22G ivory	1788 WH-22G	1751-0-2717	10
24 studio white matt	1788 WH-24	1751-0-2718	10
260 palladium	1788 WH-260	1751-0-2896	10
266 titanium	1788 WH-266	1751-0-2897	10


1) Real metal surface.

	Switch rocker With transparent lens. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
20 platinum ¹⁾	1787-20	1751-0-2045	10
21 bronze ¹⁾	1787-21	1751-0-2052	10
22G ivory	1787-22G	1751-0-2508	10
24 studio white matt	1787-24	1751-0-2060	10
260 palladium ¹⁾	1787-260	1751-0-2824	10/100
266 titanium ¹⁾	1787-266	1751-0-2835	10/100


1) Real metal surface.

			
20 platinum ¹⁾	1781-20	1751-0-1666	10
21 bronze ¹⁾	1781-21	1751-0-1757	10
22G ivory	1781-22G	1751-0-2540	10
24 studio white matt	1781-24	1751-0-1898	10
260 palladium ¹⁾	1781-260	1751-0-2822	10
266 titanium ¹⁾	1781-266	1751-0-2833	10


1) Real metal surface.

	Rocker Switch Mechanism DP With screw-type terminal Rated voltage: 250 V~ Rated current: 20 A IEC 60669-1 1gang 1way, normally open contact ¹⁾		
	1020/2 US	1020-0-0023	10/100
	Switch ²⁾		
	1020/2 USK	1020-0-0031	10/100


1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) Replacement lamps 8360, 8362, and 8363 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
	Blind switch insert ¹⁾ With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	SP, switch 2000/4 US	1012-0-1309	10/100
	SP, push switch 2020/4 US	1413-0-0590	10/100


1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

Product	Article-No.	Order-No.	Pack/Qty	
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.			
	20 platinum ¹⁾	1785 JA-20	1751-0-1823	10
	21 bronze ¹⁾	1785 JA-21	1751-0-1831	10
	22G ivory	1785 JA-22G	1751-0-2581	10
	24 studio white matt	1785 JA-24	1751-0-1922	10
	260 palladium ¹⁾	1785 JA-260	1751-0-2831	10/100
266 titanium ¹⁾	1785 JA-266	1751-0-2842	10/100	


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty	
	13A Fuse Connection Unit with Flex Outlet SP switched for cables up to 11 mm Ø Rated voltage: 250 V~ Rated current: 13 A BS 1363: part 4			
	20 platinum ¹⁾	1910 U/2-20	1001-0-0001	10
	21 bronze ¹⁾	1910 U/2-21	1001-0-0002	10
	22 ivory	1910 U/2-22	1001-0-0003	10/100
	24 studio white	1910 U/2-24	1001-0-0005	10/100
	260 palladium ²⁾	1910 U/2-260	1001-0-0021	10
266 titanium	1910 U/2-266	1001-0-0023	10	


1) Real metal surface.
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty	
	13A Fuse Connection Unit with Flex Outlet With neon lamp. SP switched for cables up to 11 mm Ø Rated voltage: 250 V~ Rated current: 13 A BS 1363: part 4			
	20 platinum ¹⁾	1910 U/2 GL-20	1001-0-0010	10
	21 bronze ¹⁾	1910 U/2 GL-21	1001-0-0011	10
	22 ivory	1910 U/2 GL-22	1001-0-0012	10/100
	24 studio white	1910 U/2 GL-24	1001-0-0014	10/100
	260 palladium ²⁾	1910 U/2 GL-260	1001-0-0022	10
266 titanium	1910 U/2 GL-266	1001-0-0024	10	

1) Real metal surface.
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Key Switch Insert ^{1) 2) 3)} SP, 1gang 1way switch For profile semi-cylindrical lock. In switched-on and switched-off status the key can be pulled out in the central position, respectively. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	2733 USL-101	1101-0-0914	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See profile semi-cylindrical lock.

Product	Article-No.	Order-No.	Pack/Qty
	DIN profile-semi cylindrical lock acc. to German Standard DIN 18252 Total length 40 mm for blind switches and push switches For inserts 2712/2713/2722/2723/2733 USL-101 and 2712/2733 SLW-5x.		
	lock mechanism, with 3 keys 0521 PZ-GS	0470-0-0021	1/100
	different lock mechanism, with 3 keys 0520 PZ-VS	0470-0-0013	1/100

Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.			
	20 platinum ¹⁾	1755 PZ-20-101	1710-0-1498	10
	21 bronze ¹⁾	1755 PZ-21-101	1710-0-1506	10
	22G ivory	1755 PZ-22G-101	1710-0-2348	10
	24 studio white matt	1755 PZ-24-101	1710-0-1514	10
	260 palladium ¹⁾	1755 PZ-260-101	1710-0-3303	10
266 titanium ¹⁾	1755 PZ-266-101	1710-0-3329	10	


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate with marking. For half-cylindrical type switch. For insert 2733 USL-101.			
	20 platinum ¹⁾	1755 SLPZ-20-101	1710-0-1563	10
	21 bronze ¹⁾	1755 SLPZ-21-101	1710-0-1571	10
	22G ivory	1755 SLPZ-22G-101	1710-0-2355	10
	24 studio white matt	1755 SLPZ-24-101	1710-0-1589	10
	260 palladium ¹⁾	1755 SLPZ-260-101	1710-0-3304	10
266 titanium ¹⁾	1755 SLPZ-266-101	1710-0-3330	10	

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Card-Switch 10 A ¹⁾ SP, with normally open contact (operating current) Illuminable. With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
	2025 U	1012-0-1713	10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.			
	20 platinum ¹⁾	1792-20-101	1710-0-3293	10
	21 bronze ¹⁾	1792-21-101	1710-0-3294	10
	22G ivory	1792-22G-101	1710-0-3295	10
	24 studio white matt	1792-24-101	1710-0-3296	10
	260 palladium ¹⁾	1792-260-101	1710-0-3305	10
266 titanium ¹⁾	1792-266-101	1710-0-3331	10	

1) Surface painted.

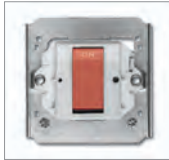


Product	Article-No.	Order-No.	Pack/Qty
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32 A Double Pole Switch Mechanism
 With screw-type terminal
 Rated voltage: 250 V~
 Rated current: 32 A
 BS EN 60669-1, IEC 60669-1

1032/2 UGL	1045-0-0001	10/100
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45 A Double Pole Switch Mechanism
 With screw-type terminal
 Rated voltage: 250 V~
 Rated current: 45 A
 BS EN 60669-1, IEC 60669-1

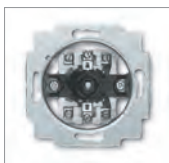
1045/2 UGL	1045-0-0002	10/100
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45 A and 32 A Switch Cover plate
 With red neon lens.
 for 45 A switch and 32 A switch, 1gang 1way

20 platinum ¹⁾	1746/50-20	1710-0-3034	10
21 bronze ¹⁾	1746/50-21	1710-0-3035	10
22 ivory	1746/50-22	1710-0-3036	10
24 studio white matt	1746/50-24	1710-0-3037	10
260 palladium ¹⁾	1746/50-260	1710-0-3495	10
266 titanium ¹⁾	1746/50-266	1710-0-3496	10

1) Surface painted.



Blind switch insert ¹⁾
 With rotary knob/switch and push switch.
 Rated voltage: 250 V~
 Rated current: 10 AX
 IEC 60669-1, British Standard EN 60669-1

DP ²⁾	2712 U	1101-0-0534	10
SP, N, E ³⁾	2713 U	1101-0-0542	10

1) Blind switches/push switches prevents fast change over between operating directions.
 2) Also suitable for controlling direct voltage drives.
 3) Also suitable for DC drives.



Blind switch insert ^{1) 2)}
 With rotary knob/push button.
 Rated voltage: 250 V~
 Rated current: 10 A
 IEC60669-1, British Standard EN 60669-1

DP	2722 U	1101-0-0559	10
SP, N, E	2723 U	1101-0-0567	10

1) Blind switches/push switches prevents fast change over between operating directions.
 2) Also suitable for DC drives.



Cover plate
With rotary control, with marking
 As cover for flush mounted blind control switch/push switch.
 for inserts 2712 U, 2713 U and 2722 U, 2723 U.

20 platinum ¹⁾	1740 DR-20	1753-0-1092	10
21 bronze ¹⁾	1740 DR-21	1753-0-1175	10
22G ivory	1740 DR-22G	1710-0-2330	10
24 studio white matt	1740 DR-24	1753-0-1555	10
260 palladium ¹⁾	1740 DR-260	1710-0-3302	10
266 titanium ¹⁾	1740 DR-266	1710-0-3328	10

1) Surface painted.

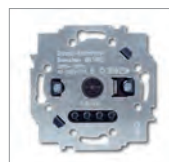
Product	Article-No.	Order-No.	Pack/Qty
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Busch-Comfort switch 2-wire insert ^{1) 2) 3) 4)}
 2-wire connection.
 For Busch-Comfort switch sensors 6815-xxx.
 Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
 Rated power: 40 - 300 W/VA
 Temperature range (Device): 0 °C to 35 °C
 British Standard EN 60669-2-1

	6815 U	6800-0-2270	1/10
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1) In case of electronic transformers, 5 % transformer losses.
 2) In the case of conventional transformers, take ~20% transformer loss into account.
 3) Not suitable for activating the staircase time delay.
 4) Output cannot be connected in parallel.



Busch-Comfort switch relay mechanism ^{1) 2) 3)}
 3 wire connection (neutral conductor required).
 For Busch-Comfort switch sensors 6815-xxx.
 Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformer.
 Rated power: 2300 W/VA
 Suitable for: 230 V halogen lamps
 Rated power: 1200 W
 Suitable for: Fluorescent lamps
 Rated current: 10 AX, cos 0.5
 Rated power: 2300 VA
 Temperature range (Device): 0 °C to 35 °C
 British Standard EN 60669-2-1

	6816 U	6800-0-2355	1/10
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1) In case of electronic transformers, 5 % transformer losses.
 2) In the case of conventional transformers, take ~20% transformer loss into account.
 3) Output can be connected in parallel.




Busch-Comfort switch control element ¹⁾
With neon lamp.
 For 2-wire insert 6815 U.
 For relay insert 6816 U.
 Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off.
 Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off.
 Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off.
 Push switch function possible at all times.
 Switch-off delay: 1 to 10 min., adjustable.
 Surveillance density: 9 sectors with 28 switching segments.
 Detection range: frontal: 5 m, lateral: 3 m
 Detection angle: 170 °
 Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

20 platinum ²⁾	6815-20	6800-0-2273	1/10
21 bronze ²⁾	6815-21	6800-0-2274	1/10
22G ivory	6815-22G	6800-0-2275	1/10
24 studio white matt	6815-24	6800-0-2276	1/10
260 palladium ²⁾	6815-260	6800-0-2282	1/10
266 titanium ²⁾	6815-266	6800-0-2283	1/10


1) Please order the respective flush mounted insert separately.
 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	13 A Switched socket outlet With neon lamp. DP switched 1gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
20 platinum ¹⁾	2190 EUCGL/2-20	2190-0-0030	10/100
21 bronze ¹⁾	2190 EUCGL/2-21	2190-0-0031	10
22 ivory	2190 EUCGL/2-22	2190-0-0032	10/100
24 studio white	2190 EUCGL/2-24	2190-0-0033	10/100
260 palladium ¹⁾	2190 EUCGL/2-260	2190-0-0125	10/100
266 titanium ¹⁾	2190 EUCGL/2-266	2190-0-0133	10/100


1) Real metal surface.

	13 A Switched socket Outlet 2-pole connection two earth terminals 2gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
20 platinum ¹⁾	2190-02 EUC/2-20	2190-0-0148	1/10
21 bronze ¹⁾	2190-02 EUC/2-21	2190-0-0149	1/10
22 ivory	2190-02 EUC/2-22	2190-0-0153	10
24 studio white	2190-02 EUC/2-24	2190-0-0154	5/50
260 palladium ¹⁾	2190-02 EUC/2-260	2190-0-0150	1/10
266 titanium ¹⁾	2190-02 EUC/2-266	2190-0-0151	1/10


1) Real metal surface.

	13 A Switched socket Outlet With neon lamp. SP switched two earth terminals 2gang Rated voltage: 250 V~ BS 1363: part2		
20 platinum ¹⁾	2190-02EUCGL/2-20	2190-0-0156	1/10
21 bronze ¹⁾	2190-02EUCGL/2-21	2190-0-0157	1/10
22 ivory	2190-02EUCGL/2-22	2190-0-0161	10/60
24 studio white	2190-02EUCGL/2-24	2190-0-0162	5
260 palladium ¹⁾	2190-02EUCGL/2-260	2190-0-0158	1/10
266 titanium ¹⁾	2190-02EUCGL/2-266	2190-0-0159	1/10


1) Real metal surface.

	Busch Nema socket outlet with cover plate ¹⁾ 2-pole (2 P + E), 20 A For wall box 58 mm with screw fixation. Without claw. Rated voltage: 125 V~ Rated current: 20 A		
24G studio white	3016 EUC-24G	2122-0-0028	10


1) Use in accordance with US Standard (e.g. in US military barracks).


	15 A Switched socket outlet With neon lamp. DP switched 1gang Rated voltage: 250 V~ Rated current: 15 A BS 546		
20 platinum ¹⁾	2191 EUCGL/2-20	2191-0-0020	10/100
21 bronze ¹⁾	2191 EUCGL/2-21	2191-0-0021	10
22 ivory	2191 EUCGL/2-22	2191-0-0022	10/100
24 studio white matt	2191 EUCGL/2-24	2191-0-0023	10
260 palladium ¹⁾	2191 EUCGL/2-260	2191-0-0034	10/100
266 titanium ¹⁾	2191 EUCGL/2-266	2191-0-0036	10/100

1) Real metal surface.


Product	Article-No.	Order-No.	Pack/Qty
	Euro-American Socket Outlet 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A IEC 884-1		
20 platinum ¹⁾	2192 UC-20	2192-0-0078	10/100
21 bronze ¹⁾	2192 UC-21	2192-0-0086	10/100
22 ivory	2192 UC-22	2192-0-0110	10/100
24 studio white	2192 UC-24	2192-0-0011	10/100
260 palladium ¹⁾	2192 UC-260	2192-0-0184	10/100
266 titanium ¹⁾	2192 UC-266	2192-0-0185	10/100

1) Real metal surface.

			
20 platinum	20 MUC-20-500	2017-0-0808	10/100
21 bronze	20 MUC-21-500	2017-0-0811	10
22G ivory	20 MUC-22G-500	2017-0-0813	10
24G studio white	20 MUC-24G-500	2017-0-0815	10

	Socket outlet ^{1) 2)} With earthing pin With screwless terminal. Shuttered. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20 MUCKS-20-500	2017-0-0832	10
21 bronze	20 MUCKS-21-500	2017-0-0835	10
22G ivory	20 MUCKS-22G-500	2017-0-0802	10
24G studio white	20 MUCKS-24G-500	2017-0-0803	10

1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".
2) Order-bound manufacturing

	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20 MUCC-20-500	2017-0-0825	10
22G ivory	20 MUCC-22G-500	2017-0-0828	10
24G studio white	20 MUCC-24G-500	2017-0-0829	10



Product	Article-No.	Order-No.	Pack/Qty
	Light signal insert for push lamp Without cover. Rated voltage: 250 V~		
	for push-in lamphot included ¹⁾		
	2061 U	1511-0-0062	10
	for lamp with E-10 thread with E 10-thread ²⁾		
	2661 U	1511-0-0096	10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) Illuminable using lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ For indication lamp For insert 2061/2661 U. As cover for flush-mounted light signal.		
	20 platinum ²⁾		
	1756-20	1753-0-1506	10
	1756-21	1753-0-1522	10
	1756-22G	1710-0-2413	10
	1756-24	1753-0-1548	10
	1756-260	1710-0-3306	10
	1756-266	1710-0-3332	10

1) Transparent cap 1557-1x required.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cap Cap for light signal. As cover for flush-mounted light signal. For insert 2061/2661 U.		
	11 clear-transparent		
	1557-11	1565-0-0134	10
	1557-12	1565-0-0142	10
	1557-13	1565-0-0159	10

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
	20 platinum ¹⁾		
	1742-20	1753-0-1118	10
	1742-21	1753-0-1431	10
	1742-22G	1710-0-2389	10
	1742-24	1753-0-1571	10
	1742-260	1710-0-3309	10/100
	1742-266	1710-0-3335	10/100

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
	20 platinum ²⁾		
	1749-20	1710-0-0904	10
	1749-21	1710-0-0946	10
	1749-22G	1710-0-2561	10
	1749-24	1710-0-0979	10
	1749-260	1710-0-3316	10
	1749-266	1710-0-3342	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDO).
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	BT Telephone socket - Master British Type, Master 1gang BS 6312: part 2.2		
	20 platinum ¹⁾		
	0280 BS-20	1711-0-0040	10
	0280 BS-21	1711-0-0043	10
	0280 BS-22	0230-0-0293	10/100
	0280 BS-24	0230-0-0294	10/100
	0280 BS-260	1711-0-0034	10
	0280 BS-266	1711-0-0037	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	BT Telephone socket - Secondary Secondary, 1gang BS 6312: part 2.2		
	20 platinum ¹⁾		
	0282 BS-20	1711-0-0042	10
	0282 BS-21	1711-0-0045	10
	0282 BS-22	0230-0-0340	10
	0282 BS-24	1711-0-0046	10
	0282 BS-260	1711-0-0036	10
	0282 BS-266	1711-0-0039	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Telephone Socket RJ 11 RJ 11, Cat. 3 BS 6312: part 2.2, FCC 68		
	20 platinum ¹⁾		
	0281 BS-20	1711-0-0041	10
	0281 BS-21	1711-0-0044	10
	0281 BS-22	0230-0-0298	10/100
	0281 BS-24	0230-0-0299	10/100
	0281 BS-260	1711-0-0035	10
	0281 BS-266	1711-0-0038	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, cat. 3 ¹⁾ 1 gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100


1) To fit cover plate 1803-xxx.

	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 1 gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220-507	0230-0-0397	10


1) To fit cover plate 1803-xxx.

	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 1 gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0216	0230-0-0276	1/10

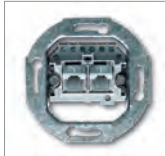
1) To fit cover plate 1803-xxx.

	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 1 gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0221-507	0230-0-0399	10

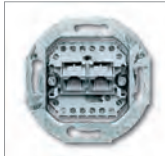
1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With down-leading outlet. As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck.		
20 platinum ¹⁾	1803-20	1753-0-8410	10
21 bronze ¹⁾	1803-21	1753-0-8428	10
22G ivory	1803-22G	1710-0-2603	10
24 studio white matt	1803-24	1753-0-8436	10
260 palladium ¹⁾	1803-260	1710-0-3322	10
266 titanium ¹⁾	1803-266	1710-0-3348	10


1) Surface painted.

	Universal data connection box with down-leading outlet ¹⁾ 2 gang internally parallel connected With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0214	0230-0-0235	10/100

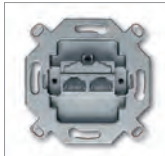
1) Suitable for cover plate 1803-02-xxx.

	Universal data connection box with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0215	0230-0-0243	10


1) Suitable for cover plate 1803-02-xxx.

	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220/12-507	0230-0-0398	10

1) Suitable for cover plate 1803-02-xxx.


	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0217	0230-0-0284	10

1) Suitable for cover plate 1803-02-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. with claw		
	0221/12-507	0230-0-0400	10

1) Suitable for cover plate 1803-02-xxx.


	Strain relief adapter For flush-mounted installation. with strain relief and cable guide With two cable binders. Suitable for all Universal data connecting unit sockets, part no.s 0220... and 0221...		
	0222-507	0230-0-0401	10

	Cover plate 2gang With down-leading outlet. As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3/ISDN), 0217 (Cat 5e/6 data technology), 0220/12-507, 0221/12-507 and comparable types of the Company Rutenbeck, BTR (E-Datdesign), AMP (NETCONNECT 5E).		
20 platinum 1)	1803-02-20	1753-0-8485	10
21 bronze 1)	1803-02-21	1753-0-8493	10
22G ivory	1803-02-22G	1710-0-2611	10
24 studio white matt	1803-02-24	1753-0-8501	10
260 palladium 1)	1803-02-260	1710-0-3321	10/100
266 titanium 1)	1803-02-266	1710-0-3347	10/100


1) Surface painted.

	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
20 platinum 1)	2561-20	1753-0-3916	10
21 bronze 1)	2561-21	1753-0-3924	10
22G ivory	2561-22G	1710-0-2504	10
24 studio white matt	2561-24	1753-0-3932	10
260 palladium 1)	2561-260	1710-0-3314	10
266 titanium 1)	2561-266	1710-0-3340	10


1) Surface painted.

	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. No. 0210 and 0211. Without claw.		
20 platinum 1)	2561-02-20	1753-0-4047	10
21 bronze 1)	2561-02-21	1753-0-4054	10
22G ivory	2561-02-22G	1710-0-2512	10
24 studio white matt	2561-02-24	1753-0-4062	10
260 palladium 1)	2561-02-260	1710-0-3315	10
266 titanium 1)	2561-02-266	1710-0-3341	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum 1)	1746/10-20	1753-0-8550	10
21 bronze 1)	1746/10-21	1753-0-8568	10
22G ivory	1746/10-22G	1710-0-2652	10
24 studio white matt	1746/10-24	1753-0-8576	10
260 palladium 1)	1746/10-260	1710-0-3312	10
266 titanium 1)	1746/10-266	1710-0-3338	10


1) Surface painted.

	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum 1)	1746-20-101	1753-0-5978	10
21 bronze 1)	1746-21-101	1753-0-5986	10
22G ivory	1746-22G-101	1710-0-2470	10
24 studio white matt	1746-24-101	1753-0-5994	10
260 palladium 1)	1746-260-101	1710-0-3313	10
266 titanium 1)	1746-266-101	1710-0-3339	10


1) Real metal surface.

	Cover plate 1) With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
20 platinum 2)	1758-20	1724-0-1010	10
21 bronze 2)	1758-21	1724-0-1028	10
24 studio white matt	1758-24	1724-0-1036	10
260 palladium 2)	1758-260	1724-0-2793	10
266 titanium 2)	1758-266	1724-0-2798	10


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.

	TV Outlet 1) Single, non isolated for connection to a TV or FM co-axial aerial lead Rated frequency: 5-860 MHz BS 3041, IEC 60169-2		
20 platinum 2)	1743-01 BS-20	1724-0-2833	10
21 bronze 2)	1743-01 BS-21	1724-0-2836	10
22 ivory	1743-01 BS-22-500	1724-0-2732	10
24 studio white matt	1743-01 BS-24-500	1724-0-2733	10
260 palladium 2)	1743-01 BS-260	1724-0-2820	10
266 titanium 2)	1743-01 BS-266	1724-0-2823	10


1) With BS-type metal mount. plate.
2) Surface painted.

	Radio/TV Outlet 1) Twin, non isolated For connection to each of two separate Radio/TV coaxial aerial leads. Rated frequency: 5-860 MHz BS 3041, IEC 60169-2		
20 platinum	1743-02 BS-20-500	1724-0-2835	10
21 bronze	1743-02 BS-21-500	1724-0-2838	10
22 ivory	1743-02 BS-22-500	1724-0-2742	10
24 studio white matt	1743-02 BS-24-500	1724-0-2743	10
260 palladium	1743-02 BS-260-500	1724-0-2821	10
266 titanium 2)	1743-02 BS-266-500	1724-0-2824	10


1) With BS-type metal mount. plate.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Satellite Socket F-Type Single BS 5733, IEC 60169-2		
20 platinum ¹⁾	0233 BS-20	1711-0-0001	10
22 ivory	0233 BS-22	0230-0-0307	10/100
24 studio white	0233 BS-24	0230-0-0309	10
260 palladium ¹⁾	0233 BS-260	1711-0-0002	10
266 titanium ¹⁾	0233 BS-266	1711-0-0003	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
20 platinum ¹⁾	1794-20	1710-0-3532	10
21 bronze ¹⁾	1794-21	1710-0-3533	10
22G ivory	1794-22G	1710-0-3534	10
24 studio white matt	1794-24	1710-0-3535	10
260 palladium ¹⁾	1794-260	1710-0-3541	10
266 titanium ¹⁾	1794-266	1710-0-3542	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
20 platinum ¹⁾	1795-20	1710-0-3557	10
21 bronze ¹⁾	1795-21	1710-0-3558	10
22G ivory	1795-22G	1710-0-3559	10
24 studio white matt	1795-24	1710-0-3560	10
260 palladium ¹⁾	1795-260	1710-0-3566	10
266 titanium ¹⁾	1795-266	1710-0-3567	10

1) Surface painted.



Product	Article-No.	Order-No.	Pack/Qty
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Cover plate ¹⁾
With rotary knob, with indication lamp
 For Busch-Dimmer®.
 For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.

20 platinum ²⁾	6540-20	6599-0-1458	10
21 bronze ²⁾	6540-21	6599-0-1490	10
22G ivory	6540-22G	6599-0-2803	10
24 studio white matt	6540-24	6599-0-1540	10
260 palladium ²⁾	6540-260	6599-0-2852	10/100
266 titanium ²⁾	6540-266	6599-0-2855	10

- 1) Replacement neon lamp 3856.
 2) Real metal surface.



Control element ¹⁾ ²⁾ ³⁾
With neon lamp.
 Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.

20 platinum ⁴⁾	6543-20-102	6599-0-2820	1/10
21 bronze ⁴⁾	6543-21-102	6599-0-2821	1/10
22G ivory	6543-22G-102	6599-0-2822	1/10
24 studio white matt	6543-24-102	6599-0-2823	1/10
260 palladium ⁴⁾	6543-260-102	6599-0-2869	1/10
266 titanium ⁴⁾	6543-266-102	6599-0-2870	1/10

- 1) Compatible with previous type 6543-xxx.
 2) Touch-type Controller 6550 U-xxx non-illuminable.
 3) Replacement neon lamp 3857.
 4) Real metal surface.



IR control element ¹⁾
With marking, illuminated
 For Busch-Universal master dimmer insert 6593 U.
 For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.
 For Busch Universal 2gang 1way insert 6402 U.
 for Busch-Universal touch-type controller 6550 U-101
 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white matt	6066-24-102-500	6020-0-1371	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10

- 1) Touch-type Controller 6550 U-xxx non-illuminable
 2) Surface painted.



Control element ¹⁾
With neon lamp.
 Combinable with Busch Memory 2gang Dimmer 6565 U.

20 platinum ²⁾	6545-20	6599-0-2890	1/10
21 bronze ²⁾	6545-21	6599-0-2891	1/10
22G ivory	6545-22G	6599-0-2892	1/10
24 studio white matt	6545-24	6599-0-2893	1/10
260 palladium ²⁾	6545-260	6599-0-2899	1/10
266 titanium ²⁾	6545-266	6599-0-2900	1/10

- 1) Replacement neon lamp 3857.
 2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾
With select-lens
 For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

20 platinum ²⁾	6800-20-104	6800-0-2068	1
21 bronze ²⁾	6800-21-104	6800-0-2069	1
22G ivory	6800-22G-104	6800-0-2070	1
24 studio white matt	6800-24-104-500	6800-0-2168	1
260 palladium ²⁾	6800-260-104	6800-0-2118	1/10
266 titanium ²⁾	6800-266-104	6800-0-2120	1/10


- 1) Please order the respective flush mounted insert separately.
 2) Surface painted.




Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ ²⁾
With multi-lens
 For automatic switching of devices dependent on motion and brightness.
 For down-to-ground detection.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 28 sectors with 112 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 15 m, lateral: 5 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

20 platinum ³⁾	6800-20-104M	6800-0-2084	1
21 bronze ³⁾	6800-21-104M	6800-0-2085	1
22G ivory	6800-22G-104M	6800-0-2086	1
24 studio white matt	6800-24-104M-500	6800-0-2169	1
260 palladium ³⁾	6800-260-104M	6800-0-2119	1/10
266 titanium ³⁾	6800-266-104M	6800-0-2121	1/10


- 1) installation: slide switch top.
 2) Please order the respective flush mounted insert separately.
 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min		
20 platinum ¹⁾	1770-20-101	1753-0-6075	10
21 bronze ¹⁾	1770-21-101	1753-0-6083	10
22G ivory	1770-22G-101	1710-0-2397	10
24 studio white matt	1770-24-101	1753-0-6091	10


1) Surface painted.

	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min		
20 platinum ¹⁾	1771-20-101	1753-0-6224	10
21 bronze ¹⁾	1771-21-101	1753-0-6232	10
22G ivory	1771-22G-101	1710-0-2405	10
24 studio white matt	1771-24-101	1753-0-6240	10


1) Surface painted.

	Cover plate For Busch Timer® III insert 6454 U-101. For Busch Timer® control cover 6412-101.		
20 platinum ¹⁾	1772-20-101	1710-0-3479	10
21 bronze ¹⁾	1772-21-101	1710-0-3480	10
22G ivory	1772-22G-101	1710-0-3473	10
24 studio white matt	1772-24-101	1710-0-3481	10
260 palladium ¹⁾	1772-260-101	1710-0-3477	10
266 titanium ¹⁾	1772-266-101	1710-0-3478	10


1) Surface painted.

	Cover plate For Busch-Short-time timer insert 6465 U.		
20 platinum ¹⁾	1773-20	1724-0-2158	10
21 bronze ¹⁾	1773-21	1724-0-2166	10
22G ivory	1773-22G	1724-0-2521	10
24 studio white matt	1773-24	1724-0-2174	10
260 palladium ¹⁾	1773-260	1724-0-2790	10
266 titanium ¹⁾	1773-266	1724-0-2795	10

1) Surface painted.

	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
20 platinum ¹⁾	1773/10-20	1724-0-2596	10
22G ivory	1773/10-22G	1724-0-2695	10
24 studio white matt	1773/10-24	1724-0-2612	10
260 palladium ¹⁾	1773/10-260	1724-0-2809	10
266 titanium ¹⁾	1773/10-266	1724-0-2810	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. For Busch-Blind control II 6411 U, 6411 U/S and Busch-Universal 2gang 1way insert 6402 U.		
20 platinum ²⁾	6430-20-101	6430-0-0256	
21 bronze ²⁾	6430-21-101	6430-0-0257	
22G ivory	6430-22G-101	6430-0-0258	
24 studio white matt	6430-24-101	6430-0-0259	
260 palladium ²⁾	6430-260-101	6430-0-0279	
266 titanium ²⁾	6430-266-101	6430-0-0280	

1) Replacement neon lamp 3857.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
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IR control element ¹⁾
With marking, illuminated
 For Busch-Universal master dimmer insert 6593 U.
 For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.
 For Busch Universal 2gang 1way insert 6402 U.
 for Busch-Universal touch-type controller 6550 U-101
 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white matt	6066-24-102-500	6020-0-1371	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10

- 1) Touch-type Controller 6550 U-xxx non-illuminated
 2) Surface painted.



Cover plate
 For Busch Timer[®] III insert 6454 U-101.
 For Busch Timer[®] control cover 6412-101.

20 platinum ¹⁾	1772-20-101	1710-0-3479	10
21 bronze ¹⁾	1772-21-101	1710-0-3480	10
22G ivory	1772-22G-101	1710-0-3473	10
24 studio white matt	1772-24-101	1710-0-3481	10
260 palladium ¹⁾	1772-260-101	1710-0-3477	10
266 titanium ¹⁾	1772-266-101	1710-0-3478	10

- 1) Surface painted.



IR remote control
 Battery-supplied infrared remote control.
 For infrared receiver (60xx).
 For KNX presence detectors and KNX sensors with infrared interface.
 For switching/dimming up to 10 loads in 2 groups (1-5 / 6-10).
 Programming and selection of 2 MEMO memories possible per group.
 Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery.
 Range: 15 m
 Rated voltage: 6 V-

6010-25-500	6020-0-1133	1
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IR Wall-Mounted transmitter ¹⁾ ²⁾
 Battery-supplied infrared remote control.
 For infrared receiver and KNX flush-mounted infrared interfaces (selection of 2 memo functions for each address group and ALL OFF).
 Address group switch-over (1-5/6-10)
 Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)
 Range: 15 m

20 platinum ³⁾	6020-20	6020-0-0036	1/10
21 bronze ³⁾	6020-21	6020-0-0044	1/10
24 studio white matt	6020-24-500	6020-0-1281	1
24G studio white	6020-24G-500	6020-0-1299	1

- 1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
 2) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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IR Wall-Mounted transmitter ¹⁾
1-channel
 Battery-supplied infrared remote control.
 For infrared reception and EIB flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group.).
 Range: 15 m
 Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)

20 platinum ²⁾	6021-20	6020-0-0754	1
21 bronze ²⁾	6021-21	6020-0-0762	1
24 studio white matt	6021-24-500	6020-0-1315	1
24G studio white	6021-24G-500	6020-0-1307	1

- 1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 2) Surface painted.



IR control element
With marking, illuminated
 For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

20 platinum ¹⁾	6067-20-102	6020-0-1324	10
21 bronze ¹⁾	6067-21-102	6020-0-1325	10
22G ivory	6067-22G-102	6020-0-1326	10
24 studio white matt	6067-24-102-500	6020-0-1373	1
260 palladium ¹⁾	6067-260-102	6020-0-1369	1/10
266 titanium ¹⁾	6067-266-102	6020-0-1370	1/10

- 1) Surface painted.



IR Receiver, 4-channel
4 x 350 VA
 for luminaires
 For switching 4 consumers
 2 supplementary inputs via 127 V push switch (e.g. 2020 US), central disablement of all outputs possible, supplementary IR remote control is possible via IR flying receiver 6045 E-101
 switching capacity: 4 x 690 W or 4 x 350 VA temperature range: 0° C - 35° C
 Rated voltage: 127 V-
 Rated frequency: 60 Hz









6056 EB-127-500	6020-0-1352	1
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IR receiver ¹⁾
4gang
 For switching 4 consumers
 Operation also possible via 2 conventional push buttons (2020 US/2021/6 US).
 Central disablement of all outputs possible.
 Additional IR remote control via IR flying receiver 6045 E-101 possible.
 Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx
 Rated voltage: 230 V-, +10 % / -10 %
 Rated frequency: 50 Hz
 Outputs: 4x Normally open contact, potential-bound
 Rated current: 6 A, cos 1
 Rated current: 3 A, cos 0.5
 Temperature range (Device): 0 °C to 35 °C

6056 EB-500	6020-0-1232	1
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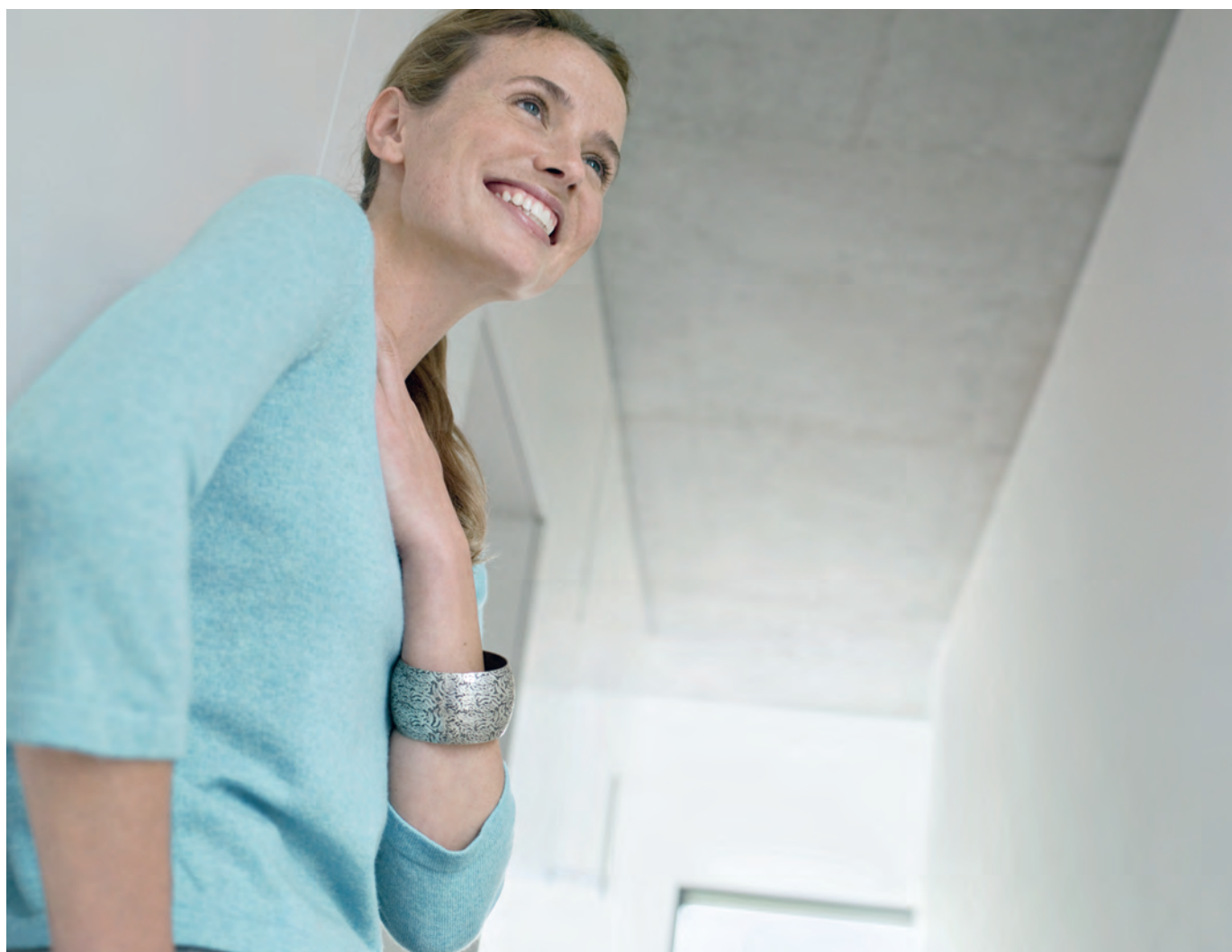
- 1) Push-switch operation possible via additional wire bridge.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Mounting Clips For 2gang product combinations into a standard 2gang BS box.				Cover frame 1gang		
	MCBS	1012-0-2068	20				
	Adapter Plate for adaption of BJE products with German type mounting plates to British wall boxes (1gang boxes and 2gang Boxes)			20 platinum ¹⁾	1721 BS-20	1754-0-3880	10/100
	APBS	6599-0-2813	10/100	21 bronze ¹⁾	1721 BS-21	1754-0-3898	10/100
				22G ivory	1721 BS-22G	1754-0-4070	10/100
				23G gold	1721 BS-23G-101	delivery on request	
				24G studio white	1721 BS-24G	1754-0-4071	10/100
				260 palladium ¹⁾	1721 BS-260	1754-0-4188	10/100
				266 titanium ¹⁾	1721 BS-266	1754-0-4191	10/100
				1) Real metal surface.			
	Wall Box 1gang with knockouts 11 x 20 mm knock-out openings. Dimensions: (L x W x D): 75 mm x 75 mm x 35 mm BS 4662 : 1994				Cover frame 2gang, horizontal to cover 2gang product combinations which are installed into a standard BS 2gang wall box. delivered together with 2 mounting clips for 2gang product combination		
	A 8368 BOX	1799-0-0891	10	20 platinum ¹⁾	1722 BS-20	1754-0-3922	10
	Wall Box 2gang with knockouts 13 x 20 mm and 3 x 25mm knock-out openings. Dimensions: (L x W x D): 135 mm x 75 mm x 35 mm BS 4662 : 1994			21 bronze ¹⁾	1722 BS-21	1754-0-3930	10
	A 8367 BOX	1799-0-0892	10	22G ivory	1722 BS-22G	1754-0-4075	10/100
				23G gold	1722 BS-23G-101	delivery on request	
				24G studio white	1722 BS-24G	1754-0-4076	10/150
				260 palladium ¹⁾	1722 BS-260	1754-0-4189	10
				266 titanium ¹⁾	1722 BS-266	1754-0-4192	10
				1) Real metal surface.			
	Flush mounted wallbox, 2gang For shaver socket outlet 2332 UJBS-8xx. Dimensions: (L x W x D): 135 mm x 75 mm x 47 mm						
	3030	1741-0-0067	4				
	Flush mounted cavity wallbox, 2gang For shaver socket outlet 2332 UJBS-8xx. Dimensions: (L x W x D): 142 mm x 82 mm x 45 mm						
	3031	1741-0-0068	4				

Flush-mounted inserts

One system, many options.

Various series – the same inserts. This basic principle of the ABB/Busch-Jaeger switch ranges ensures that the choices remain clear despite the many shapes and colours on offer – you simply have to replace the covers in order to switch to a different range.





The system makes possible the easy exchange of covers in case a new colour or a different design is desired.

An exception is the impuls switch series.

























Contents Flush-mounted inserts

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Busch-Comfort switch	p. 58
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Room thermostat, floor heating control	p. 59
Connection technology for data and communication systems Universal data connecting unit, Telephone unit, loudspeakers, antennae, modular jacks	p. 60
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Room thermostat – selection aid



	1098 UF-101	1095 UF	1098 U-101	1094 UTA	1095 UTA	1097 UTA	1094 U	1095 U	1097 U	1096 UTA	1096 U
Flush-mounted insert											
Internal timer for operating modes comfort, standby and nighttime mode	X		X								
Temperature display				X	X	X				X	
actual				X	X	X				X	
required	X	X									
Input terminal for nighttime temperature reduction (4K)		X		X	X		X	X		X	X
Manual nighttime temperature reduction via slide switch (4K)					X			X		X	X
with remote sensor for floor heating	X	X									
Changeover contact	X		X			X			X		
Nominal voltage	N/O contact 16 A N/C contact 5 A	16 A	N/O contact 10 A N/C contact 5 A	10 A	10 A	5 A	10 A	10 A	5 A	1 A	1 A
Nennspannung	230 V~	230 V~	230 V~	230 V~	230 V~	230 V~	230 V~	230 V~	230 V~	24 V ~	24 V ~
Operation	Floating Rocker switch with 4 positions	Rotary wheel	Floating Rocker switch with 4 positions	Rotary wheel	Rotary wheel	Rotary wheel	Rotary wheel	Rotary wheel	Rotary wheel	Rotary wheel	Rotary wheel
Control element											
Cover plate	6435-xx	1795-xx	6435-xx	1794 TA-xx	1795 TA-xx	1794 TA-xx	1794-xx	1795-xx	1794-xx	1795 TA-xx	1795-xx

LEDs inserts



The new LED technology can also be used with the illuminated switches of all ABB/Busch-Jaeger ranges. In the case of the LED lighting insert, the same component can be used as for the incandescent lamp insert.









Permanent aura of light thanks to long-lasting LED technology in the colours white, red, and blue.

Colours The LEDs are available in white, red, and blue. Various functions can thus be represented or simply fulfil individual preferences.






Amperages According to the desired brightness of the LEDs, either 0.5 mA, 1.0 mA, or 2.0 mA can be applied. To enable push-switch circuits, a 0.5 mA variant has been provided. This permits the operation of several LEDs in push-switch circuits parallel to the relay contact.

Colour marking A clear assignment of brightness levels marking and colours offers a great advantage in practice. The brightness levels (currents) are marked by the socket outlet colour and the LED colour by a separate colour point on the socket outlet.

Application for	V	mA	Item no. Order no.	Item no. Order no.	Item no. Order no.	
 Suitable for flush-mounted inserts 2000/... 2020/... 2061/... 2025/...			 Colour of the LED WHITE	 Colour of the LED RED	 Colour of the LEDBLUE	
	1. LED lighting unit with base, colour: white	230	0.5	8380-10 1784-0-0779		
	2. LED lighting unit with base, colour: white	230	1.0	8382-10 1784-0-0780		
	3. LED lighting unit with base, colour: white	230	2.0	8383-10 1784-0-0781		
	4. LED lighting unit with base, colour: red	230	0.5		8380-12 1784-0-0782	
	5. LED lighting unit with base, colour: red	230	1.0		8382-12 1784-0-0783	
	6. LED lighting unit with base, colour: red	230	2.0		8383-12 1784-0-0784	
	7. LED lighting unit with base, colour: blue	230	0.5			8380-17 1784-0-0785
	8. LED lighting unit with base, colour: blue	230	1.0			8382-17 1784-0-0786
9. LED lighting unit with base, colour: blue	230	2.0			8383-17 1784-0-0787	
 Suitable for flush-mounted inserts 2000/... 2001/... 2020/... 2021/... 2061/... 2025/...			 Colour of the LED WHITE	 Colour of the LED RED	 Colour of the LED BLUE	
	10. LED lighting insert, Colour: white	230	0.5	8390-10 1784-0-0788		
	11. LED lighting insert, Colour: white	230	1.0	8392-10 1784-0-0789		
	12. LED lighting insert, Colour: white	230	2.0	8393-10 1784-0-0790		
	13. LED lighting insert, Colour: red	230	0.5		8390-12 1784-0-0791	
	14. LED lighting insert, Colour: red	230	1.0		8392-12 1784-0-0792	
	15. LED lighting insert, Colour: red	230	2.0		8393-12 1784-0-0793	
	16. LED lighting insert, Colour: blue	230	0.5			8390-17 1784-0-0794
	17. LED lighting insert, Colour: blue	230	1.0			8392-17 1784-0-0795
18. LED lighting insert, Colour: blue	230	2.0			8393-17 1784-0-0796	

Neon Lamp inserts



Application for	V	mA	W	Art. No. Order No.	Art. No. Order No.	Art. No. Order No.
Suitable for flush-mounted inserts 2000/... 2020/... 2001/... 2021/... 2661/... 2061/...						
				Plug-in neon lamps	Plug-in neon lamps	Neon/Incandescent lamps with E-10 thread
1. Universal lighting Orientation light	230	0.4		8350¹⁾ 1784-0-0545		
2. Serial switch	230	0.5		8338-1 1784-0-0057		
3. Particularly bright for light signals	230	1.0		8352²⁾ 1784-0-0560		
4. Lightable/ markable switch rocker	230	2.0		8353³⁾ 1784-0-0578		
5. For switches and push-switches	24	22			8337-1 1784-0-0032	
6. For switches and push-switches	12	40			8345-1 1784-0-0289	
7. Lightable/ markable switch rocker	8	40			8344-1 1784-0-0164	
8. For light signals	230	1.3				8302⁴⁾ 1780-0-0022
9. Bright for light signals	230		3.0			8340⁵⁾ 1784-0-0222
10. For light signals	24		2.0			8343⁵⁾ 1784-0-0263
11. For light signals	12		1.5			8342⁵⁾ 1784-0-0255
12. For light signals	6		1.2			8341⁵⁾ 1784-0-0248
13. Lamp tool for E-10 lamps						8509 0401-0-0018



Replacement neon lamps, can be replaced from the front of the switch insert, colour-coded

**Neon lamps
(spare part)**

**Neon lamps
(spare part)**

**Plug-in
neon lamps**

**Neon lamps
for dimmers
(spare part)**

**Plug-in neon
lamps for
replacement**

14. Universal lighting Red* for 8350		0.4				8360 1784-0-0552
15. For light signals/impuls switch Yellow* for 8352		1.0				8362²⁾ 1784-0-0586
16. Lightable/markable switch rocker/ impuls switch, white* for für 8353		2.0				8363³⁾ 1784-0-0594
17. impuls control switch 2001/2 UKGL, 2001/6 UKGL		0.8		8305 1784-0-0701		
18. impuls low-voltage push-switch 2021/6 UNV	24	22				8365⁵⁾ 1784-0-0610
19. impuls low-voltage push-switch 2021/6 UNV	12	40				8366⁵⁾ 1784-0-0636
20. impuls low-voltage push-switch 2021/6 UNV	8	40				8367⁵⁾ 1784-0-0651
21. For flush-mounted dimmers except for impuls	230	0.8				3855 6599-0-0518
22. For flush-mounted rotary dimmers Only impuls	230	0.8				3856 6599-0-2274
23. For flush-mounted touch dimmers and for Busch Blind Control® II	230	0.8		3857 6599-0-2282		
24. For Busch Blind Control® I	230	0.8		3858 6599-0-2316		

¹⁾ Exchangeable plug-in neon lamps.

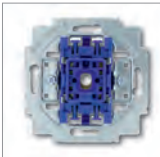
²⁾ For the impuls range, alpine white.

³⁾ For the impuls range, champagne metallic, cobalt blue, brilliant black, light grey.

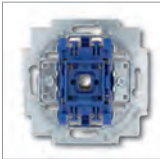
⁴⁾ Neon lamp.

⁵⁾ Incandescent lamp.

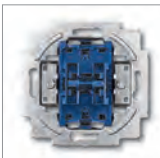
^{*}) Base colour of the lamp.

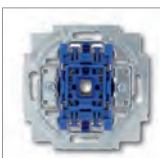
Product	Article-No.	Order-No.	Pack/Qty
	Rocker Switch Mechanism 1) SP, 1gang 1way switch Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	2000/1 US-500	1012-0-2059	10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.


	Rocker Switch Mechanism Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way 1) 2000/6 US-506	1012-0-1143	10/100
	DP, 1gang 2way 2) 2000/6/2 US	1012-0-0954	10
	1gang intermediate 1) 2000/7 US-506	1012-0-1168	10/100
	DP, 1gang 1way 1) 2000/2 US	1012-0-2034	10/100
	2gang 1way 2000/5 US-500	1012-0-1150	10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) With screw terminals. Non-illuminable.

	Rocker Switch Mechanism 2gang 2way With screwless terminal. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	2000/6/6US-101-500	1011-0-0928	10/100

	Rocker Switch Mechanism 1) 2) DP, 1gang 1way Rated voltage: 250 V~ Rated current: 16 AX IEC 60669-1		
	2000/2 US-101	1012-0-2042	10/100

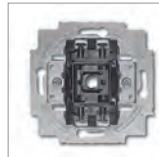
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) Also for switching SCHUKO®-socket outlets.

	Rocker Switch Mechanism 1) 3-pole, 1gang 1way switch Rated voltage: 400 V~ Rated current: 16 AX IEC 60669-1		
	2000/3 US	1011-0-0816	10

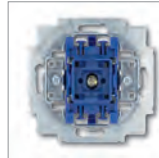
1) With screw terminals. Non-illuminable.

	Rocker Switch Mechanism 1) DP With screw-type terminal Rated voltage: 250 V~ Rated current: 20 A IEC 60669-1		
	1020/2 US	1020-0-0023	10/100

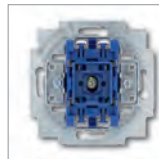
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
	20 A Double Pole Switch 1) DP With screw-type terminal With neon lamp. Rated voltage: 250 V~ Rated current: 20 A IEC 60669-1		
	1020/2 USK	1020-0-0031	10/100


1) Replacement lamps 8360, 8362, and 8363 and LED inserts.

	Rocker Switch Mechanism With neon lamp 8338-1. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way 1) 2000/6 USGL	1012-0-1127	10/100
	2gang 1way 2) 2000/5 USGL	1012-0-1135	10


1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) Illuminable using lamp 8338-1.

	Rocker Switch Mechanism, control 1) 2) With neon lamp. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way with N-terminal 2000/6 USK	1022-0-0474	10/100
	DP, 1gang 1way 2000/2 UK	1022-0-0656	10

1) With 1 mA neon lamp.
2) Illuminable using lamps 8360, 8362, 8363, 8365, 8366, and 8367 and LED inserts.

	Rocker Switch with parallel stroke switch mechanism 1) 2) Suitable for <i>impuls</i> cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way 2001/6 U	1012-0-1614	10/100
	2gang 1way 2001/5 U	1012-0-1622	10/100
	2gang 2way 2001/6/6 U	1012-0-1671	10
	1gang, intermediate 2001/7 U	1012-0-1630	10

1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.

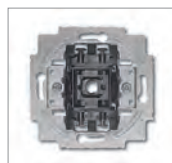
	Rocker Switch with parallel stroke mechanism 1) With neon lamp. Suitable for <i>impuls</i> cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way 2) 3) 2001/6 UKGL-101	1022-0-0615	10
	DP, 1gang 1way 4) 2001/2 UKGL-101	1022-0-0623	10

1) For control lamp replacement 8305.
2) Replacement lamps 8360, 8362, and 8363 and LED inserts.
3) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.
4) Luminous ring non-illuminable.

Inserts for flush-mounted devices



Product	Article-No.	Order-No.	Pack/Qty
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Push Switch Mechanism 1)
SP, with normally open contact (operating current)
 With N terminal.
 Rated voltage: 250 V~
 Rated current: 10 A
 IEC 60669-1

2020 US-500 1413-0-0574 10/100

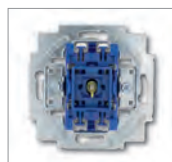
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Push Switch Mechanism 1)
SP, with normally open contact (operating current)
 With 2 independent signalling contacts.
 Rated voltage: 250 V~
 Inputs: 1
 Outputs: 1
 Rated current: 10 A
 IEC 60669-1

2020 US-201 1413-0-0483 10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Push Switch Mechanism 1) 2)
SP, with normally open contact (operating current)
 With illumination according to German Standard workplace regulations.
 With N terminal.
 Rated voltage: 250 V~
 Rated current: 10 A
 IEC 60669-1

2020 USGL 1413-0-0533 10/100

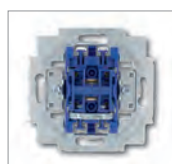
1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
 2) For relay and touch dimmer applications.



Push Switch Mechanism 1)
SP, 2gang 1way
 With one input terminal and 2 actuating covers.
 Rated voltage: 250 V~
 Inputs: 1
 Outputs: 2x Normally open contact
 Rated current: 10 A
 IEC 60669-1

2020 US-205 1413-0-0491 10/100

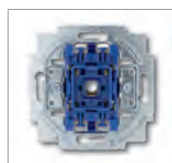
1) Illuminable using lamp 8338-1.



Push Switch Mechanism 1)
2 x SP, 2x normally open contact
 2 normally open contacts.
 Rated voltage: 250 V~
 Inputs: 2
 Outputs: 2x Normally open contact
 Rated current: 10 A
 IEC 60669-1

2020 US-205-101 1413-0-0509 10

1) Illuminable using lamp 8338-1.



Push Switch Mechanism 1)
SP, 1gang 2way
 Can be wired for normally open contacts (stand-by current) or normally closed contacts (operating current).
 With N terminal.
 Rated voltage: 250 V~
 Rated current: 10 A
 IEC 60669-1

2020 US-206 1413-0-0517 10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
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Push Switch 1)
 Suitable for *impuls* cover plate with operating knob.
 Rated voltage: 250 V~
 Rated current: 10 A
 IEC 60669-1

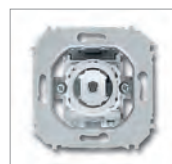
SP, 1gang 2way without N-terminal
2021/6 U 1413-0-0871 10

SP, 1gang 2way with N-terminal 2)
2021/6 UK 1413-0-0897 10

SP, 2x 1gang 2way
2021/6/6 U 1413-0-0889 10

SP, 1gang 2way with 2 independent answering contacts
2021/6 US-201 1413-0-1051 10

1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
 2) For relay and touch dimmer applications.



Push Switch
 Illuminable.
 Suitable for *impuls* cover plate with operating knob.
 With N terminal.
 Rated voltage: 24 V~
 Rated current: 10 A
 IEC 60669-1

SP, 1gang 2way with N-terminal 1)
2021/6 UNV 1012-0-1705 10

SP, 1gang 2way with 2 independent answering contacts
2021/6 UNV-201 1012-0-2069 10

1) Illuminable using lamp insert 8365, 8366, 8367.



Push Switch Mechanism
SP with normally open contact
 For installation in flush-mounted boxes of 43 mm diameter or SM box 1706-xx.
 Clip-on mounting.
 Rated voltage: 42 V~
 Rated current: 0.5 A

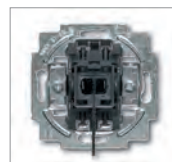
2031 UP 1413-0-0806 10/100



Card-Switch 10 A 1)
SP, with normally open contact (operating current)
 Illuminable.
 With N terminal.
 Rated voltage: 250 V~
 Rated current: 10 A
 IEC60669-1, British Standard EN 60669-1

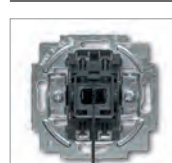
2025 U 1012-0-1713 10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Pull switch
SP, with normally open contact (operating current)
 With 2-metre pull cord, red handle, and red neon indicator.
 Rated voltage: 250 V~
 Rated current: 10 A

2020/01 US 1413-0-1077 10



Pull switch
SP, break contact
 With 2-metre pull cord, red handle, and red neon indicator.
 Rated voltage: 250 V~
 Rated current: 10 A

2020/10 US 1413-0-1076 10

Product	Article-No.	Order-No.	Pack/Qty
	Blind switch insert 1) With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	SP, switch 2000/4 US	1012-0-1309	10/100
	SP, push switch 2020/4 US	1413-0-0590	10/100

1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

	Blind switch insert 2) With rotary knob/switch and push switch. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1, British Standard EN 60669-1		
	DP 2) 2712 U	1101-0-0534	10
	SP, N, E 3) 2713 U	1101-0-0542	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for controlling direct voltage drives.
3) Also suitable for DC drives.

	Blind switch insert 3) With rotary knob/push button. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
	DP 2722 U	1101-0-0559	10
	SP, N, E 2723 U	1101-0-0567	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.

	Blind Switch/Push Switch 4) For profile semi-cylindrical lock/switch and push switch. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	DP 5) 2712 USL-101	1101-0-0872	10
	SP, N, E 6) 2713 USL-101	1101-0-0880	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) See semi-cylindrical lock.
5) Also suitable for controlling direct voltage drives.
6) Also suitable for DC drives.

	Blind switch insert 5) For profile semi-cylindrical lock/push button. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 A British Standard EN 60669-1, IEC60669-1		
	DP 4) 2722 USL-101	1101-0-0898	10
	SP, N, E 2723 USL-101	1101-0-0906	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See semi-cylindrical lock.
4) Also suitable for controlling direct voltage drives.

Product	Article-No.	Order-No.	Pack/Qty
	Key Switch Insert 1) 2) 3) SP, 1gang 1way switch For profile semi-cylindrical lock. In switched-on and switched-off status the key can be pulled out in the central position, respectively. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	2733 USL-101	1101-0-0914	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See profile semi-cylindrical lock.

	Three-step rotary switch 1) 2) 1 pole, with zero position With zero position. Rated voltage: 250 V~ Rated current: 16 A		
	2710 U	1101-0-0918	1/10

1) Install only in conjunction with wall boxes ø 60 mm.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

	Three-step rotary switch 2) 1 pole, without zero position without zero position. Rated voltage: 250 V~ Rated current: 16 A		
	2710/1 U	1101-0-0919	1/10

1) Install only in conjunction with wall boxes ø 60 mm.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

	Flush-mounted emergency light 1) 2) with LED lighting Battery buffer time larger 3 hours. Two colours adjustable: white/blue Reduction to 50% of brightness after one hour. During the emergency lighting it can be switched on and off over a +/- 12 V input. Rated voltage: 230 V~		
	2066 U	1511-0-0116	1

1) Use relay inserts when switching through movement sensors or comfort switches.
2) For switching the LED flush mounted insert use switches without orientation light only.



Product	Article-No.	Order-No.	Pack/Qty
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Flush-mounted LED insert 1) 2)
Power module
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 High brightness, e.g. for the display of information.
 Colour temperature: 2,700 K (warm white)
 Not dimmable.
 Light intensity can be switched between 100% and 25% using front service switch.
 System power consumption: 5 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 350 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/11 U 1510-0-0001 1

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Flush-mounted LED insert 1) 2)
Power module
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 High brightness, e.g. for the display of information.
 Colour temperature: 4,000 K (neutral white)
 Not dimmable.
 Light intensity can be switched between 100% and 25% using front service switch.
 System power consumption: 5 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 350 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/12 U 1510-0-0002 1/10

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Flush-mounted LED insert 1) 2)
Night light
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 For low brightness (night light).
 Colour temperature: 3,000 K (warm white)
 Not dimmable.
 System power consumption: 0.15 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 40 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/13 U 1510-0-0012 1/10

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Flush-mounted LED insert 1) 2)
Night light
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 For low brightness (night light).
 Colour temperature 6,500 K (cold white)
 Not dimmable.
 System power consumption: 0.15 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 40 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/14 U 1510-0-0013 1/10

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.

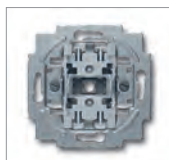
Product	Article-No.	Order-No.	Pack/Qty
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Info light unit 1) 2)
 Size of information field 43 x 43 mm.
 Long service life of the lighting element (LEDs).
 Homogeneous backlighting of the information field.
 Rated voltage: 230 V~

2062 U 1511-0-0115 1/10

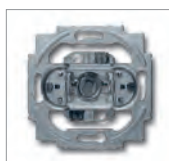
- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



**Light signal insert for push lamp 1)
 not included**
 Without cover.
 Rated voltage: 250 V~

2061 U 1511-0-0062 10

- 1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



**Light signal insert for push lamp 1)
 with E 10-thread**
 Without cover.
 Rated voltage: 250 V~

2661 U 1511-0-0096 10

- 1) Illuminable using lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.



**Busch-Wind and sun blind switch 1) 2) 3)*)
 with automatic switching control**
 For controlling blind or awning motors.
 Adjustable light, wind and temperature value.
 With internal temperature sensor.
 Sun, wind and rain sensor can be connected externally.
 With intermediate position for awnings and turning position for blinds.
 Impulse duration: 30 sec to 3 min
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 2x Normally open contact, potential free
 Rated current: 3 A, cos 0.6
 Rated power: 690 VA
 Temperature range (Device): -5 °C to 50 °C
 IEC 60669-2-1, British Standard EN 60669-2-1

6480 U-102 6410-0-0371 1/10

- 1) For use only in conjunction with Wind Sensor 6481-102.
 2) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
 3) With downstream blind control 6411 U-101 an automatic return pulse (open slats) is not possible when moving to intermediate sun position.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-101	6410-0-0377	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Basic blinds insert 1) 2) Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off. Suitable for operation without neutral conductor. Without an extension input. For control cover 6430-xx-xxx. For Standard timer control element 6456. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6418 U-500	6410-0-0376	1/10

1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

Product	Article-No.	Order-No.	Pack/Qty
	Capacitor set 1) For the power supply of the Busch Blind Control II inserts 6418 U and 6419 U if they cannot be sufficiently supplied with power (current) by the motor and no neutral conductor can be connected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Temperature range (Device): -25 °C to 50 °C		
	6498	6410-0-0383	1/10

1) The capacitor set is installed between the control lines (UP / DOWN) and the neutral conductor.

	Sun sensor *) For Busch-Wind and sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.		
	6482	6410-0-0203	1

*) Phase-out type

	Wind sensor *) For Busch Wind and Sun sensor insert 6480 U-102.		
	6481-102	6410-0-0370	1

*) Phase-out type

	Burglar alert sensor For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	10

	Light sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-500	6410-0-0348	10



Product	Article-No.	Order-No.	Pack/Qty
	Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over. Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. In combination with Busch-Universal-dimmer insert 6593 U or Busch-Memory touch-type controller 6550 U-101 brightness can be set individually for each switching time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. For Busch-Universal touch-type controller 6550 U-101. Temperature range (Device): 0 °C to 35 °C		
	6455-500	6410-0-0373	1/10

1) See respective cover plates 6435-xx.

	Standard timer control element 1) For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over. Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6456	6410-0-0374	1/10

1) See respective cover plates 6435-xx.

	Busch-Short-time timer insert Countdown timer For time-programmed switching of electrical consumers. With control cover, without cover plate. Minimum timer time: 1 second. Maximum timer time: 9:59:59 hours. Power reserve: 12 hr. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact Rated current: 10 A, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6465 U	6410-0-0278	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Time switch mechanism 16 A 1) DP, break contact for staircases, exterior lighting, fans, etc. Running time: 15 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1070 U	1043-0-0025	1/10

1) For screw-fixing only

	Time switch mechanism 16 A 1) DP, break contact for staircases, exterior lighting, fans, etc. Running time: 120 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1071 U	1043-0-0124	1



1) For screw-fixing only

	Busch-Rotary switch dimmer insert 1) 2) For use in 2 gang connections 1 channel designed as dimmer. 1 channel designed as switch contact (1-gang 2-way contact element) with leading edge control For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated current 6A (changeover contact switch output). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6517 U-101-500	6517-0-0018	1/10



1) In the case of conventional transformers, take ~20% transformer loss into account.
2) Can be used to replace a 2gang 1way switch.

	Busch Memory 2gang Dimmer 1) 2) 3) For use in 2 gang connections For switching and dimming 2 independent devices. With trailing edge control. 2gang 1way For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Compatible with control covers 6545-xxx. without cover, without cover plate Outputs: 2 independent dimmer channels. Rated power: 40-315 W/VA per channel. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz IEC 60669-2-1, British Standard EN 60669-2-1		
	6565 U-500	6565-0-0057	1/10



1) Not suitable with conventional transformers.
2) In case of electronic transformers, 5 % transformer losses.
3) Does not provide an extension input.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer® insert 1) 2) 3) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W IEC 60669-2-1, British Standard EN 60669-2-1		
	2250 U	6515-0-0704	1/10



- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) Also applicable for 1gang 2way installations.
- 3) Provided with terminal for net disconnection devices.

	Busch-Dimmer® insert 1) 2) 3) 4) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
	2247 U-500	6512-0-0302	1/10



- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Provided with terminal for net disconnection devices.
- 4) Also applicable for 1gang 2way installations.

	Busch-Dimmer® insert 1) 2) 3) 4) With rotary control, soft-catch and with leading edge control. For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer. Without cover plate. With adjustable minimum brightness. Rated voltage: 127 V~ Rated frequency: 60 Hz Rated power: 20 - 250 W IEC 60669-2-1, British Standard EN 60669-2-1		
	2247 U-127	6512-0-0297	1/10

- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Provided with terminal for net disconnection devices.
- 4) Also applicable for 1gang 2way installations.

	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
	6513 U-102-500	6513-0-0586	1/10



- 1) Not suitable with conventional transformers.
- 2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 3) In case of electronic transformers, 5 % transformer losses.
- 4) Provided with terminal for net disconnection devices.
- 5) Also applicable for 1gang 2way installations.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 550 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
	6519 U	6519-0-0011	1

- 1) Not suitable with conventional transformers.
- 2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 3) In case of electronic transformers, 5 % transformer losses.
- 4) Provided with terminal for net disconnection devices.
- 5) Also applicable for 1gang 2way installations.

	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Short-circuit protected, overload-protected. With adjustable minimum brightness. Without cover plate. Without claw. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 200 - 1000 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
	6520 U-500	6520-0-0227	1/10

- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Provided with terminal for net disconnection devices.
- 4) Also applicable for 1gang 2way installations.
- 5) Should be mounted in a separate wallbox.

	Busch-Universal rotary dimmer insert 1) 2) 3) 4) 5) with soft-catch with intelligence for universal operation For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/WA possible. Operation via rotary-type remote control 6592 U possible. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 60 - 420 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
	6591 U-101-500	6513-0-0588	1/10

- 1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In the case of conventional transformers, take ~20% transformer loss into account.
- 4) Control covers 2115-xxx and 6540-xxx.
- 5) Cannot be combined with a 2way switch.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal rotary dimmer extension, Insert 1) 2)
for connection to 6591 U-101,
To be used with Busch-Universal master dimmer 6583,
with soft-catch
A maximum of 5 multi-way extensions can be connected to
a 6591U-101,
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz



6592 U-500 6513-0-0590 1

- 1) Control covers 2115-xxx and 6540-xxx.
2) Required for illuminating the N-connection control element.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal master dimmer capacity booster 1)
The control is effected by a Busch-Universal master dimmer
6593 U or Busch-Universal rotary dimmer 6591 U-101
For incandescent lamps, 230 V tungsten halogen lamps and
low-voltage halogen lamps with conventional transformers
or electronic transformers.
Can only be installed in conjunction with a cover plate
2114-xxx and 6541-xxx.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 200 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



6594 U-500 6590-0-0172 1

Busch-Memory touch-dimmer 1)
With light-level memory and leading edge control.
For incandescent lamps, 230 V tungsten halogen lamps and
low-volt halogen lamps with conventional transformer.
Compatible with control covers 6543-xxx-10x.
Operation also possible via conventional push buttons
(2020 US, 2021/6 UK).
Parallel operation of several transformers and/or
incandescent lamps possible.
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 20 - 500 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



6560 U-101 6560-0-1205 1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.

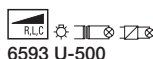
Busch-Electronic potentiometer 1) 2) 3)
With rotary control.
For controlling ballast units for fluorescent lamps with
control output 1-10 V DC, control current max. 50 mA DC.
For LED control via control gears
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



2112 U-101-500 6599-0-2873 1/10

- 1) Non-illuminable.
2) Use cover plates 2115 J-.../2115-.../6540-...
3) Making-current limiters have to be provided in case of too high making currents.

**Busch-Universal master dimmer Insert 1) 2) 3)
Touch Dimmer**
with light-level memory and intelligence for universal
operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable
load line with a power module 6594 U up to 735 W/VA
possible.
For incandescent lamps, 230 V tungsten halogen lamps and
low-voltage halogen lamps with conventional transformers
or electronic transformers.
Short-circuit protected, overload-protected.
With touch control.
Operation also possible via conventional push buttons
(2020 US, 2021/6 UK).
Without control cover.
For control cover with control lamp 6543-xxx-10x.
For Busch-Remote control IR control cover 6066-xxx-10x
and 6067-xxx-10x.
For Comfort timer control element 6455.
For Busch Watchdog 180 flush mounted Sensor Standard
6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II
6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813-xxx-101 und
6813/11-xxx.
Combinable with Busch Watchdog extension insert 6805 U.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



6593 U-500 6590-0-0171 1/10



- 1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.

Busch-Memory touch-type controller 1) 2)
3 wire connection (neutral conductor required).
For controlling ballast units for fluorescent lamps with
control output 1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch-Remote control IR control cover 6066-xxx-10x
and 6067-xxx-10x.
For Comfort timer control element 6455.
For Busch Watchdog 180 flush mounted Sensor Standard
6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II
6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813-xxx-101 und
6813/11-xxx.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons
(2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1


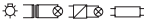


6550 U-101-500 6550-0-0042 1


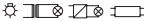
- 1) Non-illuminable.
2) with integrated making-current limiter



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch 2-wire insert ¹⁾ ²⁾ ³⁾ ⁴⁾ 2-wire connection. For Busch-Comfort switch sensors 6815-xxx. Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Rated power: 40 - 300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6815 U	6800-0-2270	1/10



- 1) In case of electronic transformers, 5 % transformer losses.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Not suitable for activating the staircase time delay.
- 4) Output cannot be connected in parallel.

	Busch-Comfort switch relay mechanism ¹⁾ ²⁾ ³⁾ 3 wire connection (neutral conductor required). For Busch-Comfort switch sensors 6815-xxx. Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformer. Rated power: 2300 W/VA Suitable for: 230 V halogen lamps Rated power: 1200 W Suitable for: Fluorescent lamps Rated current: 10 AX, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6816 U	6800-0-2355	1/10

- 1) In case of electronic transformers, 5 % transformer losses.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Output can be connected in parallel.

	Busch-Universal relay switch insert 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog 180 FP sensor for All Weather 44 [®] 6800-3x-102C. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. For Comfort timer control element 6455. For Busch-Remote control IR control cover 6067-xxx-10x. For control cover with control lamp 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): -25 °C to 55 °C British Standard EN 60669-2-1		
	6401 U-102-500	6401-0-0049	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Universal 2gang 1way insert 3 wire connection (neutral conductor required). For the serial switch operating mode: 2 separate outputs, 2 separate extension inputs. For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For control cover 6430-xxx-10x and 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6402 U-500	6401-0-0051	1/10


	Busch-Watchdog relay mechanism 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Rated voltage: 230 V, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated power: 700 W/VA Temperature range (Device): 0 °C to 55 °C British Standard EN 60669-2-1		
	6812 U-101-500	6800-0-2160	1/10

	Busch-Watchdog MOS-Fet Insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ ⁶⁾ 2-wire connection. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Rated power: 60 - 420 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6804 U-101-500	6800-0-2219	1/10


- 1) In case of electronic transformers, 5 % transformer losses.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Cannot be connected to compact fluorescent lamps, ECG or CCG.
- 4) Not suitable for activating the staircase time delay.
- 5) Cannot be used to control relays.
- 6) Requires an NIS international socket, E-No. 372507676.

Product	Article-No.	Order-No.	Pack/Qty
	Insert for combination with flush-mounted inserts ¹⁾ 3 wire connection (neutral conductor required). For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations. For combination with relay insert 6401 U-102 and 6402 U. For combination with MOS-Fet insert 6804 U-101. For combination with Dimmer insert 6593 U and 6550 U-101. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Control/Signal outputs: 1, electronic output, potential-bound Temperature range (Device): 0 °C to 35 °C		
	6805 U-500	6800-0-2161	1/10


1) Not combinable with relay switch insert 6812 U-101.

	Room thermostat ^{1) 2)} with break-contact fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1094 U	1032-0-0483	1/10


1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
2) Switching temperature difference: ± 0.4 K.


	Room thermostat ^{1) 2)} with normally open contact. With actual value temperature display Automatic controller calibration fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1094 UTA	1032-0-0487	1/10

1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
2) Switching temperature difference: ± 0.4 K.


	Room thermostat ^{1) 2)} with break-contact with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1095 U	1032-0-0484	1/10

1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
2) Switching temperature difference: ± 0.4 K.


Product	Article-No.	Order-No.	Pack/Qty
	Room thermostat with break-contact With remote sensor and thermal feedback For underfloor heating. fixing claws Opening of the relay contact, when the set temperature is reached. Remote sensor cable length: 4 m. Sensor =NTC, 10 kilo-ohm at 25 degrees C. Adjusting range: +10 to +50° C. Connecting cable: 1mm ² to 2.5 mm ² separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 16 A, cos 1 EN 60730-2-9, British Standard EN 60669-2-1		
	1095 UF	1032-0-0497	1/10

	Room thermostat ^{1) 2)} with normally open contact. With actual value temperature display Automatic controller calibration with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1095 UTA	1032-0-0488	1/10






1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
2) Switching temperature difference: ± 0.4 K.

	Room thermostat ^{1) 2)} with break-contact with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 24 V~ Rated current: 1 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1096 U	1032-0-0485	1

1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e.g., Art. No. 6164/10 .
2) Switching temperature difference: ± 0.4 K.


	Room thermostat ^{1) 2)} with normally open contact. With actual value temperature display Automatic controller calibration with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 24 V~ Rated current: 1 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1096 UTA	1032-0-0489	1/10

1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e.g., Art. No. 6164/10 .
2) Switching temperature difference: ± 0.4 K.


Product	Article-No.	Order-No.	Pack/Qty
	Room thermostat ^{1) 2)} with change-over contact fixing claws Rated voltage: 230 V~ Rated current: 5 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1097 U	1032-0-0486	1/10
	Room thermostat ^{1) 2)} with change-over contact With actual value temperature display Automatic controller calibration fixing claws Rated voltage: 230 V~ Rated current: 5 A EN 60730-2-9, British Standard EN 60669-2-1		
	1097 UTA	1032-0-0490	1/10
	Room thermostat ^{1) 2)} With time control With change-over contact. Easy adjustment using menu and text-based display. 4 switching times per day can be user-defined for each day of the week. fixing claws Automatic summer/wintertime switch-over Power reserve > 10 hours. To fit cover plate 6435-xxx. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9		
	1098 U-101	1032-0-0508	1/10
	Room thermostat ¹⁾ With time control and remote sensor. With change-over contact. Easy adjustment using menu and text-based display. 4 switching times per day can be user-defined for each day of the week. fixing claws Automatic summer/wintertime switch-over Remote sensor cable length: 4 m. Sensor =NTC, 10 kilo-ohm at 25 degrees C. Power reserve > 10 hours To fit cover plate 6435-xxx. Rated voltage: 230 V~ Rated current: 16 A Temperature range (Device): 10 °C to 50 °C EN 60730-2-9		
	1098 UF-101	1032-0-0509	1/10
	Universal data connection unit, cat. 3 ¹⁾ 1gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100

1) To fit cover plate 1803-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220-507	0230-0-0397	10
			1) To fit cover plate 1803-xxx.
	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0221-507	0230-0-0399	10
			1) To fit cover plate 1803-xxx.
	Strain relief adapter For flush-mounted installation. with strain relief and cable guide With two cable binders. Suitable for all Universal data connecting unit sockets, part no.s 0220... and 0221...		
	0222-507	0230-0-0401	10
	Universal data connection box with down-leading outlet ¹⁾ 2 gang internally parallel connected With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0214	0230-0-0235	10/100
			1) Suitable for cover plate 1803-02-xxx.
	Universal data connection box with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0215	0230-0-0243	10
			1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220/12-507	0230-0-0398	10

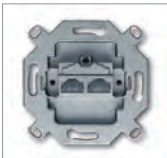
1) Suitable for cover plate 1803-02-xxx.

	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. with claw		
	0221/12-507	0230-0-0400	10


1) Suitable for cover plate 1803-02-xxx.

	Data-connection boxes, RJ45, cat.5e, shielded 1) 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0216	0230-0-0276	1/10


1) To fit cover plate 1803-xxx.


	Data-connection boxes, RJ45, cat.5e, shielded 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0217	0230-0-0284	10


1) Suitable for cover plate 1803-02-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Data-connection boxes, RJ45, cat 6a, shielded 1) 2) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Cable entry freely selectable. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Without claw. Installation depth: 38 mm		
	0218	0230-0-0376	1/10

1) Suitable for cover plate 1803-02-xxx.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

	Telephone unit connection box 6 F+N For 1 telephone or 1 transmission unit (e.g. fax, answering machine, modem etc.) 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	0241/02	0230-0-0385	10
alpine white	0241/04	0230-0-0386	10
black	0241/05	0230-0-0387	10

	Telephone unit connection box 2x6/6 NFF For 2 telephones and 1 auxiliary device or 1 data transmission unit (e.g. fax, answering machine, modem etc.) 2 x 6/6 pole for 2 subscriber lines. Design in accordance with DIN 41715. Screw contacts with claw		
white	0242/02	0230-0-0388	10
alpine white	0242/04	0230-0-0389	10
black	0242/05	0230-0-0390	10


	Telephone unit connection box 3x6 NFN For 1 telephone and 2 auxiliary devices or 2 data transmission units (e.g. fax, answering machine, modem etc.) 3 x 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	0243/02	0230-0-0391	10
alpine white	0243/04	0230-0-0392	10
black	0243/05	0230-0-0393	10

	Universal data connection box 8(6)/ telephone unit 6F+N - connection box 1) 2 x 6-pole with straight outlet, with screw contacts, Universal data-connection boxes: RJ 11/12, ISDN capable Cat. 3 in acc. with IEC 603-7/German Standard DIN EN 60603-7, Telecommunication outlet (telephone unit): for 1 telephone, 1 auxiliary device or 1 data transmission unit, with claw		
white	UAE 8(6)TAE 6 F+N	0230-0-0381	10/100


1) Suitable for cover plate 2539-xxx, 1766-xxx and 1746-2xx-FN.

Product	Article-No.	Order-No.	Pack/Qty
	Stereo loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
white	0248/02-101	0230-0-0402	10/100


1) Suitable for cover telephone unit 1766-xxx and 2539-21x.


	Stereo loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
alpine white	0248/04-101	0230-0-0403	10/100


1) Suitable for cover telephone unit 1766-xxx and 2539-21x.


	Stereo loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
black	0248/05-101	0230-0-0404	10/100


1) Suitable for cover telephone unit 1766-xxx and 2539-21x.

	Satellite co-axial outlets 2 connectors/dead-end feeder Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0230-101	0230-0-0250	10/100


	Satellite co-axial outlets Radio/TV/SAT 2 connectors/loop through type Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0231-101	0230-0-0268	10

	Satellite co-axial outlets Radio/TV/SAT 3gang dead-end feeder broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0232-101	0230-0-0384	10/100

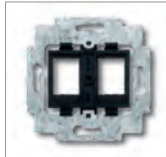
	Terminating resistor 75 Ohm		
	0239	0230-0-0201	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Supporting frame 1) 2) With green insert For 2 modular jack inserts. For systems: CommScope (AVAYA / AT&T / Lucent Technologies), GigaSPEED, PowerSUM, 360 GS 10E bis MGS 600-BK, M1 BH-xx, MPS 100E-xx. With R&M adapter R310694 suitable for R&M connection modules R305111, R305112, R305113 and R305114. Pitch dimensions: (WxH) approx. 16.9 x 17.9 mm Without claw.		
	1810	1753-0-8048	10/100

1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
2) For further information, please refer on the Internet.

	Supporting frame 1) 2) With red insert For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. For systems: AMP / tyco Electronics, BTR, EFB, Krone, Panduit, Quante, Radiall, Setec, Dr.-Ing. Sieger, Telena, Thomas & Betts For Telegärtner AMJ/UMJ connection modules/couplings. For 2 fiber optic modules of the following types: 3M-Volition, Krone, mvk Pitch dimensions: (WxH) approx. 14.8 x 19.4 mm Without claw.		
	1812	1753-0-8055	10/100


1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
2) For further information, please refer on the Internet.

	Supporting frame 1) 2) With black insert For MTRJ or 2 modular jack inserts. For systems: Ackermann, AMP / tyco Electronics (Slim Line (SL) -SM 2gang/switches: 110Connect Jacks, Toolless Jacks / Standard 110Connect Jacks), Brand-Rex, CombNet, EFB Electronic, Telena. For 2 fiber optic modules of the following types: AMP / tyco Electronics MTRJ. Pitch dimensions: (WxH) approx. 14.8 x 20.4 mm Without claw.		
	1814	1753-0-8063	10/100

1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
2) For further information, please refer on the Internet.

	Supporting frame 1) 2) With blue insert For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III. Pitch dimensions: (WxH) approx. 16.0 x 11.0 mm Without claw.		
	1816	1710-0-3100	10/100

1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
2) For further information, please refer on the Internet.

	Supporting frame 1) 2) With orange base. For 2 modular jack inserts. For system: LexCom 150 and LexCom 250. Pitch dimensions: (WxH) approx. 15.4 x 15.4 mm. Without claw.		
	1819	1753-0-8056	10/100

1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
2) For further information, please refer on the Internet.

Inserts for flush-mounted devices



Product	Article-No.	Order-No.	Pack/Qty
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Supporting frame ¹⁾ *)
With grey base.
 For 2 modular jack inserts.
 For system: Panduit MiniCom (Cu. z.B. TX6 10 Gig Shielded Jack modules and fiber optic modules.
 Pitch dimensions: (WxH) approx. 15.9 x 18.7 mm.
 Without claw.

1820 1753-0-8057 10/100

- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
 2) For further information, please refer on the Internet.



Modular-Jack insert
6-pole Cat. 3 (AMP-No. 216000-2)
 For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in.
 For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).

0210 0225-0-0078 10



Modular-Jack insert
8-pole Cat. 3 (AMP-No. 216005-4)
 For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in.
 For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).

0211 0225-0-0086 10



Flush-mounted assembly adapter
 For the accommodation of one or two universal modules 0219.
 For flush-mounted installation.
 Suitable for telephone unit cover plates 2539-21x and 1766-xxx.

metal clad **0219/12** 0230-0-0395 1/10



Channel assembly adapter
 For the accommodation of one or two universal modules 0219.
 For channel and under-floor installation.
 Suitable for telephone unit cover plates 2539-21x and 1766-xxx.

metal clad **0219/13** 0230-0-0396 1/10



Universal module, RJ45, real Cat. 6a, shielded ¹⁾ 1gang
 For installation in installation adapter 0219/12 or 0219/13. Also suited for mounting into cover plate 2561 and bases 1812, 1866 EB, and 1867 EB.
 Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0.
 Up to 500 MHz on all pairs of wires.
 Suitable for 10-Gigabit Ethernet.
 For 8-pole plug RJ 45 only.
 Design according to E DIN IEC 60 603-7-5:2003-03.
 Housing made from diecast zinc.
 With integrated dust-protection cap (can be removed if necessary).
 Bend-radius optimised cable feed (30°).
 With insulation displacement connection.
 Clearly colour-coded connection identification.
 For data cables with a diameter of 6 - 10 mm.
 For wires of AWG 24-22.
 Protection class (Device): IP 21

metal clad **0219** 0230-0-0394 1/10

1) With assembly adapters appropriate for telephone unit cover plates 2539-21x and 1766-xxx.

Product	Article-No.	Order-No.	Pack/Qty
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Built-in jack
 For potential balancing jack cover plate and installation in cover plates.
 For devices of 19 mm diameter.

0471-0-0037 0471-0-0037 10



Potential balancing plug
 Suitable for plug 2095 UC-212 and built-in jack 0471-0-0037 acc. to German Standard DIN 42801.
 For potential balancing jack cover plate (connection up to 6 mm² crimped or soldered)

0299-0-0032 0299-0-0032 10



DIN profile-semi cylindrical lock
 acc. to German Standard DIN 18252
 Total length 40 mm
 for blind switches and push switches
 For inserts 2712/2713/2722/2723/2733 USL-101 and 2712/2733 SLW-5x.

different lock mechanism, with 3 keys
0520 PZ-VS 0470-0-0013 1/100

lock mechanism, with 3 keys
0521 PZ-GS 0470-0-0021 1/100



Capacitor set ¹⁾
 For the power supply of the Busch Blind Control II inserts 6418 U and 6419 U if they cannot be sufficiently supplied with power (current) by the motor and no neutral conductor can be connected.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Temperature range (Device): -25 °C to 50 °C

6498 6410-0-0383 1/10

1) The capacitor set is installed between the control lines (UP / DOWN) and the neutral conductor.



Sun sensor *)
 For Busch-Wind and sun blind switch insert 6480 U-10x.
 Measuring range: 5-50,000 lux.

6482 6410-0-0203 1

*) Phase-out type



Wind sensor *)
 For Busch Wind and Sun sensor insert 6480 U-102.

6481-102 6410-0-0370 1

*) Phase-out type



Burglar alert sensor
 For insert 6411U/S-101.
 With 4 m connecting cable.

6413-500 6410-0-0349 10

Product	Article-No.	Order-No.	Pack/Qty
	Flush mounted wallbox (VDE) For flush-mounted installation. Dimensions according to DIN 49073. Diameter: 60 mm. Depth: 42 mm. Device screw distance: 60 mm. With 2 device screws, length: 15 mm. Type of protection for device: IP 2X. Flame retardant up to 650°C according to VDE 0471/DIN IEC 695 Part 2-1.		
	0440	0471-0-0045	100

	Extension of Claws 1) For the installation of flush mounted SCHUKO socket outlets and also switches, push buttons, etc. and deeply installed flush mounted boxes.		
	2148	2148-0-0120	100

1) Not for types 2000/3 US, 2000/6/2 US, 2000/6/6 US and 2gang socket outlets.

	Light sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-500	6410-0-0348	10

	Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. In combination with Busch-Universal-dimmer insert 6593 U or Busch-Memory touch-type controller 6550 U-101 brightness can be set individually for each switching time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C		
	6455-500	6410-0-0373	1/10

1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack/Qty
	Standard timer control element 1) For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6456	6410-0-0374	1/10

1) See respective cover plates 6435-xx.

	DIN A 4 labelling sheet 1) Plastic foil Suitable for all to be labeled Busch-Jaeger devices. For laser printer. The film is imprinted in white text for the colours meteor (-803), manhattan (-85) and anthracite (-81) by the Busch-Jaeger marking service.		
	NEW 1799/02 1799-0-0959 1 1799/03 1799-0-0960 1		

1) 1 piece = 1 sheet.

For custom labelling, please contact the Busch-Jaeger labelling Service.
 Our Central Sales Service will be pleased to assist you.

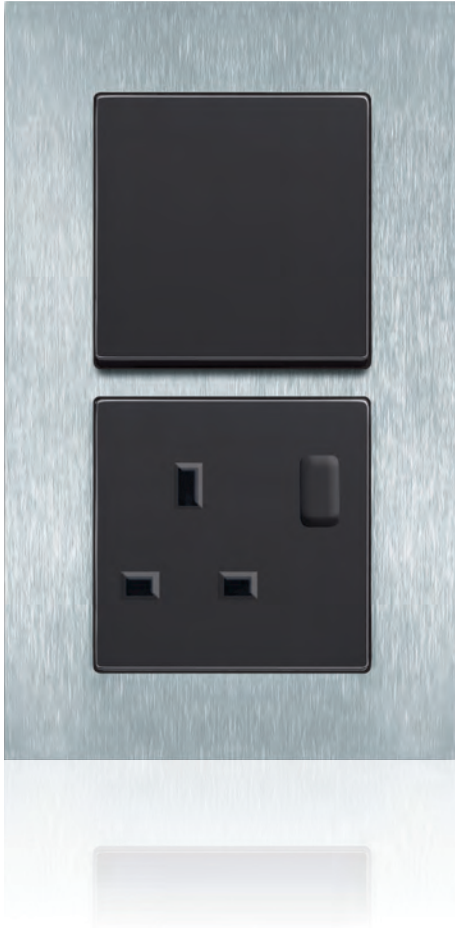
Price: on request.

carat®

Pure and sensual.
Extravagant and noble.

carat®. The clear commitment to high-quality design. It combines straight lines and authentic materials to make it a unique object. And the switch takes on an equivalent position within representative architecture.





carat®

- 01 2gang combination switch/socket outlet with child protection.
Rocker switch: anthracite.
Frame: stainless steel.
 - 02 studio white/bronze (84/821)
 - 03 studio white/glass black (84/825)
 - 04 anthracite/stainless steel (81/860)
 - 05 ivory white/gold (82/823-101)
 - 06 studio white/chrome (84/826-101)
 - 07 studio white/glass white (84/810)
-

» Materials

Material Cover: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.
Frame: genuine materials.

Contents

carat®

Rocker switches	p. 70
Cover plates	p. 70
SCHUKO® socket outlets	p. 74
WaveLINE LED display	p. 76
Busch Watchdog	p. 76
Cover frame	p. 77



- 01 Rocker switch 1gang
- 02 Rocker switch 2gang
- 03 Busch Universal Rotary Dimmer
- 04 Touch dimmer
- 05 Busch-Memory 2gang dimmer
- 06 Busch-Comfort switch
- 07 IR sensor with 1gang control element
- 08 Busch-steplight®
- 09 International socket outlet
- 10 Cover Plate with rotary control
- 11 Busch-Blind control switch with semi-cylindrical lock
- 12 Busch-Blind comfort switch
- 13 Comfort timer
- 14 Room thermostat with display
- 15 WaveLINE LED display
- 16 Busch-Infoline® alarm insert
- 17 Busch-AudioWorld® DigitalRadio
- 18 Antenna socket for radio/TV/satellite

The carat® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety,

or make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

33



34



33 **Busch-ComfortTouch®**
34 **Busch-priOn®**

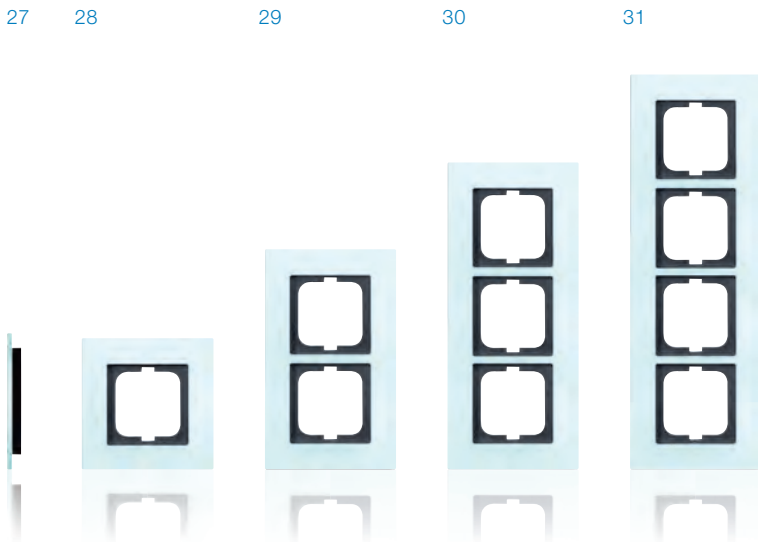
Different by design



- 19 KNX sensor 1/2gang with color concept*
- 20 KNX sensor 2/4gang with color concept*
- 21 KNX sensor 4/8gang with color concept*
- 22 KNX sensor IR sensor with 3/6gang control element and color concept*
- 23 KNX room thermostat with 2/4gang sensor and color concept*
- 24 KNX sensor room thermostat with heating/cooling mode*
- 25 KNX Flush-mounted movement detector comfort with Multi-lens*
- 26 KNX Flush-mounted movement detector standard*


The LEDs of the sensors can be set in several colours to allow the buttons to be assigned to specific applications (e.g. light, blind, heating).


* Please find further information in the chapter ABB i-bus® KNX.





1 to 4 gang cover frame for horizontal and vertical installation.


- 27 Side view: 11 mm x 107 mm
- 28 107 mm x 107 mm
- 29 107 mm x 178 mm
- 30 107 mm x 249 mm
- 31 107 mm x 320 mm


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
81 anthracite	1786-81	1751-0-2926	10/100
82 savanna/ ivory white	1786-82	1751-0-2741	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
81 anthracite	1788-81	1751-0-2927	10
82 savanna/ ivory white	1788-82	1751-0-2742	10
84 davos/studio white	1788-84	1751-0-2750	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
81 anthracite	1789-81	1751-0-2928	10
82 savanna/ ivory white	1789-82	1751-0-2813	10
84 davos/studio white	1789-84	1751-0-2814	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
81 anthracite	1785-81	1751-0-2930	10
82 savanna/ ivory white	1785-82	1751-0-2744	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
81 anthracite	1789 LI-81	1751-0-2931	10
82 savanna/ ivory white	1789 LI-82	1751-0-2745	10
84 davos/studio white	1789 LI-84	1751-0-2753	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
81 anthracite	1789 H-81	1751-0-2929	10
82 savanna/ ivory white	1789 H-82	1751-0-2743	10
84 davos/studio white	1789 H-84	1751-0-2751	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
81 anthracite	1789 KI-81	1751-0-2932	10
82 savanna/ ivory white	1789 KI-82	1751-0-2746	10
84 davos/studio white	1789 KI-84	1751-0-2754	10

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US.		
81 anthracite	1720-81	1731-0-1914	10
82 savanna/ ivory white	1720-82	1731-0-1915	10
84 davos/studio white	1720-84	1731-0-1916	10

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
81 anthracite	1789 TR-81	1751-0-2933	10
82 savanna/ ivory white	1789 TR-82	1751-0-2747	10
84 davos/studio white	1789 TR-84	1751-0-2755	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
81 anthracite	6541-81	6599-0-2882	10
82 savanna/ ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm.		
81 anthracite	1764 NLI-81	1731-0-1552	10
82 savanna/ ivory white	1764 NLI-82	1731-0-1876	10
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With rotary knob, with indication lamp Elevated knob. For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
81 anthracite	6540-81-102	6599-0-2950	10
82 savanna/ ivory white	6540-82-102	6599-0-2951	10/100
84 davos/studio white	6540-84-102	6599-0-2953	10/100

1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

1) Replacement neon lamp, Art. No. 3855.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch- on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	81 anthracite 6815-81	6800-0-2284	1/10
	82 savanna/ ivory white 6815-82	6800-0-2285	1/10
	84 davos/studio white 6815-84	6800-0-2286	1/10

81 anthracite 6815-81	6800-0-2284	1/10
82 savanna/ ivory white 6815-82	6800-0-2285	1/10
84 davos/studio white 6815-84	6800-0-2286	1/10

1) Please order the respective flush mounted insert separately.

	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	81 anthracite 6066-81	6020-0-1379	1/10
	82 savanna/ ivory white 6066-82	6020-0-1332	10/10
	84 davos/studio white 6066-84	6020-0-1334	1/10

81 anthracite 6066-81	6020-0-1379	1/10
82 savanna/ ivory white 6066-82	6020-0-1332	10/10
84 davos/studio white 6066-84	6020-0-1334	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable

	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	81 anthracite 6067-81	6020-0-1380	1/10
	82 savanna/ ivory white 6067-82	6020-0-1333	1
	84 davos/studio white 6067-84	6020-0-1335	1

81 anthracite 6067-81	6020-0-1380	1/10
82 savanna/ ivory white 6067-82	6020-0-1333	1
84 davos/studio white 6067-84	6020-0-1335	1

	Control element ¹⁾ ²⁾ ³⁾ With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
	81 anthracite 6543-81-101	6599-0-2881	1/10
	82 savanna/ ivory white 6543-82-101	6599-0-2831	1/10
	84 davos/studio white 6543-84-101	6599-0-2834	1/10

81 anthracite 6543-81-101	6599-0-2881	1/10
82 savanna/ ivory white 6543-82-101	6599-0-2831	1/10
84 davos/studio white 6543-84-101	6599-0-2834	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
	81 anthracite 6545-81	6599-0-2906	1/10
	82 savanna/ ivory white 6545-82	6599-0-2907	1/10
84 davos/studio white 6545-84	6599-0-2908	1/10	

1) Replacement neon lamp 3857.

	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	81 anthracite 1785 JA-81	1751-0-2934	10
	82 savanna/ ivory white 1785 JA-82	1751-0-2748	10
	84 davos/studio white 1785 JA-84	1751-0-2756	10/100

81 anthracite 1785 JA-81	1751-0-2934	10
82 savanna/ ivory white 1785 JA-82	1751-0-2748	10
84 davos/studio white 1785 JA-84	1751-0-2756	10/100

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	81 anthracite 1740-81	1710-0-3623	10
	82 savanna/ ivory white 1740-82	1710-0-3154	10
	84 davos/studio white 1740-84	1710-0-3172	10/100

81 anthracite 1740-81	1710-0-3623	10
82 savanna/ ivory white 1740-82	1710-0-3154	10
84 davos/studio white 1740-84	1710-0-3172	10/100

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
	81 anthracite 2542 DR/01-81	1710-0-3644	10
	82 savanna/ ivory white 2542 DR/01-82	1710-0-3645	10
	84 davos/studio white 2542 DR/01-84	1710-0-3646	10

81 anthracite 2542 DR/01-81	1710-0-3644	10
82 savanna/ ivory white 2542 DR/01-82	1710-0-3645	10
84 davos/studio white 2542 DR/01-84	1710-0-3646	10

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
	81 anthracite 2542 DR/02-81	1710-0-3649	10
	82 savanna/ ivory white 2542 DR/02-82	1710-0-3650	10
	84 davos/studio white 2542 DR/02-84	1710-0-3651	10

81 anthracite 2542 DR/02-81	1710-0-3649	10
82 savanna/ ivory white 2542 DR/02-82	1710-0-3650	10
84 davos/studio white 2542 DR/02-84	1710-0-3651	10

	Cover plate For Busch-Short-time timer insert 6465 U.		
	81 anthracite 1773-81	1753-0-9906	10
	82 savanna/ ivory white 1773-82	1753-0-9907	10
	84 davos/studio white 1773-84	1753-0-9908	10

81 anthracite 1773-81	1753-0-9906	10
82 savanna/ ivory white 1773-82	1753-0-9907	10
84 davos/studio white 1773-84	1753-0-9908	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
	81 anthracite 1773/10-81	1753-0-9911	10
	82 savanna/ ivory white 1773/10-82	1753-0-9912	10
	84 davos/studio white 1773/10-84	1753-0-9914	10

	Cover plate ¹⁾ with labelling field. with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
	81 anthracite 1755 SL/PZ-81-101	1710-0-3626	10
	82 savanna/ ivory white 1755 SL/PZ-82-101	1710-0-3157	10
	84 davos/studio white 1755 SL/PZ-84-101	1710-0-3175	10

1) Refer to marking plate 1799 18 and labelling software.

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
	81 anthracite 6430-81-102	6430-0-0326	1/10
	82 savanna/ ivory white 6430-82-102	6430-0-0327	1/10
	84 davos/studio white 6430-84-102	6430-0-0329	1/10

	Cover plate ¹⁾ With rotary knob For comfort blinds insert 6419 U.		
	81 anthracite 6436-81	6430-0-0387	10
	82 savanna/ ivory white 6436-82	6430-0-0356	10
	84 davos/studio white 6436-84	6430-0-0358	10

1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.

	Cover plate ¹⁾ For Busch-Wind and sun blind switch insert 6480 U-10x.		
	81 anthracite 1775 S/W-81-101	1710-0-3625	10
	82 savanna/ ivory white 1775 S/W-82-101	1710-0-3156	10
	84 davos/studio white 1775 S/W-84-101	1710-0-3174	10

¹⁾ Phase-out type

	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
	81 anthracite 6435-81	6430-0-0303	10
	82 savanna/ ivory white 6435-82	6430-0-0304	10
	84 davos/studio white 6435-84	6430-0-0306	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	81 anthracite 1716-81	1731-0-1921	1
	82 savanna/ ivory white 1716-82	1731-0-1922	1
	84 davos/studio white 1716-84	1731-0-1923	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 21.

	Blank plate With metal mounting plate		
	81 anthracite 1742-81	1710-0-3612	10
	82 savanna/ ivory white 1742-82	1710-0-3143	10
	84 davos/studio white 1742-84	1710-0-3161	10/100

	Cover plate ¹⁾ With metal mounting plate With strain relief (without terminal block).		
	81 anthracite 1749-81	1710-0-3614	10
	82 savanna/ ivory white 1749-82	1710-0-3145	10
	84 davos/studio white 1749-84	1710-0-3163	10/100


1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).


	Cover plate ¹⁾ As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	81 anthracite 1803-81	1710-0-3616	10
	82 savanna/ ivory white 1803-82	1710-0-3147	10
	84 davos/studio white 1803-84	1710-0-3165	10/100


1) Labelling sheets 1799 18 and labelling software.


	Cover plate ¹⁾ 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	81 anthracite 1803-02-81	1710-0-3615	10
	82 savanna/ ivory white 1803-02-82	1710-0-3146	10
	84 davos/studio white 1803-02-84	1710-0-3164	10/100

1) Labelling sheets 1799 18 and labelling software.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
81 anthracite	1766-81	1710-0-3613	10
82 savanna/ ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
81 anthracite	1751-81	1723-0-0253	10
82 savanna/ ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
81 anthracite	1745-81	1710-0-3624	10
82 savanna/ ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
81 anthracite	1743-81	1724-0-4252	10
82 savanna/ ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100


1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite	1800-81	1710-0-3627	10
82 savanna/ ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10/100


1) Labelling sheets 1799 18 and labelling software.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	1746/10-81	1710-0-3628	10
82 savanna/ ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747 SI-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	1746-81	1710-0-3618	10
82 savanna/ ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
81 anthracite	1748-81	1710-0-3654	10
82 savanna/ ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
81 anthracite	1750-81	1710-0-3617	10
82 savanna/ ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10

Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
81 anthracite	2095 UC-81	2495-0-0084	10
82 savanna/ ivory white	2095 UC-82	2495-0-0085	10
84 davos/studio white	2095 UC-84	2495-0-0086	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
81 anthracite	2533-81	1724-0-4254	10
82 savanna/ ivory white	2533-82	1724-0-4255	10
84 davos/studio white	2533-84	1724-0-4256	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
81 anthracite	1758-81	1724-0-4253	10
82 savanna/ ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.

	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUC-81	2011-0-3801	10/100
82 savanna/ ivory white	20 EUC-82	2011-0-3721	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ ²⁾ Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUCKS-81	2013-0-5265	10
82 savanna/ ivory white	20 EUCKS-82	2013-0-5244	10/100
84 davos/studio white	20 EUCKS-84	2013-0-5245	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .

	SCHUKO® socket outlet ¹⁾ ²⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUK-81	2018-0-1486	10
82 savanna/ ivory white	20 EUK-82	2018-0-1465	10
84 davos/studio white	20 EUK-84	2018-0-1467	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ ²⁾ with labelling field. 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUN-81	2011-0-3802	10
82 savanna/ ivory white	20 EUN-82	2011-0-3726	10
84 davos/studio white	20 EUN-84	2011-0-3727	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	2310 EUGL/VA-81-11	2011-0-3830	1
82 savanna/ ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) ¹⁾ ²⁾ ³⁾ With integrated earth leakage breaker. Shuttered. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
82 savanna/ ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection .

	SCHUKO® socket outlet ¹⁾ ²⁾ With marking "EDV" With screwless terminal. 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUCKS/DV-81	2013-0-5266	10
82 savanna/ ivory white	20 EUCKS/DV-82	2013-0-5267	10
84 davos/studio white	20 EUCKS/DV-84	2013-0-5268	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .


	SCHUKO® socket outlet ¹⁾ With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBL-82	2013-0-5284	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED. Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

	13 A Switched socket outlet 1gang With screw-type terminal. SP switched Without claw. Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
81 anthracite	2190 EUC-81	2190-0-0216	10/100
82 savanna/ ivory white	2190 EUC-82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100

	2-gang Euro American socket outlet, 10 A 2gang With screw-type terminal. SP switched Without claw. Rated voltage: 250 V~ Rated current: 10 A		
81 anthracite	2192-02 UC-81-500	<i>delivery on request</i>	
82 savanna/ ivory white	2192-02 UC-82-500	<i>delivery on request</i>	
84 davos/studio white	2192-02 UC-84-500	<i>delivery on request</i>	

	Socket Outlet Cover Shuttered For socket outlet insert 20 M-500.		
81 anthracite	2399 UCKS-81	2099-0-0216	10
82 savanna/ ivory white	2399 UCKS-82	2099-0-0211	10
84 davos/studio white	2399 UCKS-84	2099-0-0214	10

	Socket outlet 1) with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	NEW 20 M-500	2017-0-0854	10/100

1) Insert can be used for all covers 2399 UCKS-xx.

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100

	Chinese socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A Rated current: 10 A		
81 anthracite	2193 EUC/10-81-500	<i>delivery on request</i>	
82 savanna/ ivory white	2193 EUC/10-82-500	<i>delivery on request</i>	
84 davos/studio white	2193 EUC/10-84-500	<i>delivery on request</i>	

	Chinese socket outlet, 16 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	2193 EUC/16-81-500	<i>delivery on request</i>	
84 davos/studio white	2193 EUC/16-84-500	<i>delivery on request</i>	

	Chinese and Euro American socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
81 anthracite	2195 EUC/10-81-500	<i>delivery on request</i>	
82 savanna/ ivory white	2195 EUC/10-82-500	<i>delivery on request</i>	
84 davos/studio white	2195 EUC/10-84-500	<i>delivery on request</i>	

	International socket outlet 13A 1) 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
81 anthracite	2197 EUC-81-500	<i>delivery on request</i>	
82 savanna/ ivory white	2197 EUC-82-500	<i>delivery on request</i>	
84 davos/studio white	2197 EUC-84-500	<i>delivery on request</i>	

1) Usage may be restricted in certain countries.

Product	Article-No.	Order-No.	Pack/Qty
	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
	81 anthracite	2196 EUC-81-500	delivery on request
	82 savanna/ ivory white	2196 EUC-82-500	delivery on request
	84 davos/studio white	2196 EUC-84-500	delivery on request

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.		
	81 anthracite	1780-81	1710-0-3620 10
	82 savanna/ ivory white	1780-82	1710-0-3151 10
	84 davos/studio white	1780-84	1710-0-3169 10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
	81 anthracite	1794-81	1710-0-3629 10
	82 savanna/ ivory white	1794-82	1710-0-3543 10
	84 davos/studio white	1794-84	1710-0-3544 10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
	81 anthracite	1795-81	1710-0-3630 10
	82 savanna/ ivory white	1795-82	1710-0-3568 10
	84 davos/studio white	1795-84	1710-0-3569 10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
	81 anthracite	1794 TA-81	1710-0-3695 10
	82 savanna/ ivory white	1794 TA-82	1710-0-3696 10
	84 davos/studio white	1794 TA-84	1710-0-3698 10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
	81 anthracite	1795 TA-81	1710-0-3722 10
	82 savanna/ ivory white	1795 TA-82	1710-0-3723 10
	84 davos/studio white	1795 TA-84	1710-0-3725 10

Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLINE transmitters can be taught-in on each LED display channel. Up to 8 WaveLINE transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-6x. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
81 anthracite	6730-81	6730-0-0014	1
82 savanna/ ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1

1) See labelling sheet 1799 xx.
2) See labelling sheet 1799/Ox.


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	6800-81-104	6800-0-2268	1
82 savanna/ ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10

1) Please order the respective flush mounted insert separately.


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	81 anthracite 6800-81-104M 82 savanna/ ivory white 6800-82-104M 84 davos/studio white 6800-84-104M	6800-0-2269 6800-0-2100 6800-0-2102	1 1 1/10

81 anthracite	6800-81-104M	6800-0-2269	1
82 savanna/ ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10


- 1) installation: slide switch top.
 2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame For vertical or horizontal installation.		
	810 glass white 1721-810 821 bronze 1721-821 860 stainless steel 1721-860 825 glass black 1721-825 826 chrome 1721-826-101 823 gold ¹⁾ 1721-823-101	1754-0-4250 1754-0-4258 1754-0-4254 1754-0-4322 1754-0-4360 1754-0-4356	1 1 1 1 1 1


1) Gold plated 24 carat.

	Cover frame 2gang frame For vertical or horizontal installation.		
	810 glass white 1722-810 821 bronze 1722-821 860 stainless steel 1722-860 825 glass black 1722-825 826 chrome 1722-826-101 823 gold ¹⁾ 1722-823-101	1754-0-4251 1754-0-4259 1754-0-4255 1754-0-4323 1754-0-4361 1754-0-4357	1 1 1 1 1 1

1) Gold plated 24 carat.

	Cover frame 3gang frame For vertical or horizontal installation.		
	810 glass white 1723-810 821 bronze 1723-821 860 stainless steel 1723-860 825 glass black 1723-825 826 chrome 1723-826-101 823 gold ¹⁾ 1723-823-101	1754-0-4252 1754-0-4260 1754-0-4256 1754-0-4324 1754-0-4362 1754-0-4358	1 1 1 1 1 1

1) Gold plated 24 carat.

	Cover frame 4gang frame For vertical or horizontal installation.		
	810 glass white 1724-810 821 bronze 1724-821 860 stainless steel 1724-860 825 glass black 1724-825 826 chrome 1724-826-101 823 gold ¹⁾ 1724-823-101	1754-0-4253 1754-0-4261 1754-0-4257 1754-0-4325 1754-0-4363 1754-0-4359	1 1 1 1 1 1

1) Gold plated 24 carat.

pure stainless steel Outstanding. Clear. Durable. And noble.

pure stainless steel. Beautiful. When the unusual attains its objective with such style. And no wonder. Pure stainless steel stands for one hundred percent. For the purity of the thought. For absolute quality. Because design and material of this switch series possess the same characteristics. Durability. Consistency. Conciseness. In this way aesthetics, function and durability are fused into one perfect unit.





pure stainless steel

- 01 2gang combination switch/socket outlet, shuttered.
Colour: stainless steel.
 - 02 Switch/push-switch. Colour: stainless steel (866/866K)
 - 03 2gang-1way/2way switch. Colour: stainless steel
(866/866K)
 - 04 Busch-Blind control switch.
Colour: stainless steel (866/866K)
 - 05 Busch-Comfort switch.
Colour: stainless steel (866/866K)
 - 06 20A double pole switch with marking and indicator.
Colour: stainless steel (866/866K)
-

» Materials

The series is surface-coated in a special manufacturing process. This means that fingerprints or other greasy spots are reduced to a minimum (anti-fingerprint).

Contents

pure stainless steel

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Cover frame	p. 88

pure stainless steel



- | | | | |
|----|--------------------------------------|----|---|
| 01 | Rocker switch 1gang | 10 | Cover plate with rotary control |
| 02 | Rocker switch 2gang | 11 | Busch-Blind control switch with semi-cylindrical lock |
| 03 | Busch Universal Rotary Dimmer | 12 | Busch-Blind comfort switch |
| 04 | Touch dimmer | 13 | Comfort timer |
| 05 | Busch-Memory 2gang dimmer | 14 | Room thermostat with display |
| 06 | Busch-Comfort switch | 15 | WaveLINE LED display |
| 07 | IR sensor with 1gang control element | 16 | Busch-AudioWorld® DigitalRadio |
| 08 | SCHUKO® socket outlet shuttered | 17 | Busch-AudioWorld® Cover plate for loudspeaker insert 5,1 cm |
| 09 | Card switch | 18 | Antenna socket for radio/TV/satellite |

The pure stainless steel switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers,

increase safety, or make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

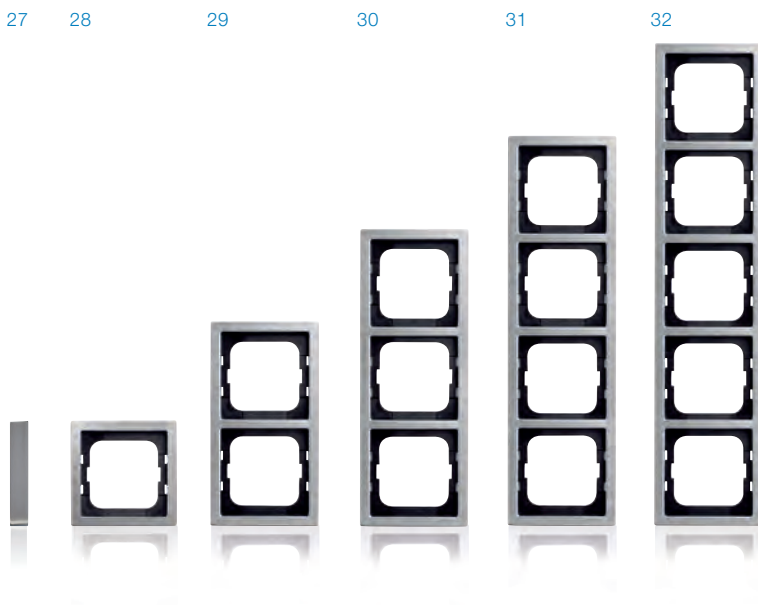
Different by design



- 19 KNX sensor 1/2gang with color concept*
- 20 KNX sensor 2/4gang with color concept*
- 21 KNX sensor 4/8gang with color concept*
- 22 KNX sensor IR sensor with 3/6gang control element and color concept*
- 23 KNX room thermostat with 2/4gang sensor and color concept*
- 24 KNX sensor room thermostat with heating/cooling mode*
- 25 KNX Flush-mounted movement detector comfort with Multi-lens*
- 26 KNX Flush-mounted movement detector standard*









The LEDs of the sensors can be set in several colours to allow the buttons to be assigned to specific applications (e.g. light, blind, heating).

* Please find further information in the chapter ABB i-bus® KNX.









1 to 5 gang cover frame for horizontal and vertical installation.

- 27 Side view: 11 mm x 80 mm
- 28 80 mm x 80 mm
- 29 80 mm x 151 mm
- 30 80 mm x 222 mm
- 31 80 mm x 293 mm
- 32 80 mm x 364 mm

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	1786-866	1751-0-2956	10/100
	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens. Material stainless steel. Anti fingerprint.		
866 stainless steel	1789-866	1751-0-2957	10/100
	Switch rocker With symbol For flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	1789 LI-866	1751-0-2958	10
	Switch rocker With bell symbol For flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	1789 KI-866	1751-0-2959	10
	Switch rocker With key symbol For flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	1789 TR-866	1751-0-2960	10
	Switch rocker ^{1) 2)} with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm. Surface painted		
866 stainless steel	1764 NLI-866	1731-0-1953	10
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch. Material stainless steel. Anti fingerprint.		
866 stainless steel	1788-866	1751-0-2961	10
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch Material stainless steel. Anti fingerprint.		
866 stainless steel	1785-866	1751-0-2962	10/100

1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter". Material stainless steel. Anti fingerprint.		
866 stainless steel	1789 H-866	1751-0-2963	10
	Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US. Material stainless steel. Anti fingerprint.		
866 stainless steel	1720-866	1731-0-1954	10
	Cover plate ¹⁾ For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01. Surface painted		
866 stainless steel	6541-866	6599-0-2924	10
1) Surface painted.			
	Cover plate ¹⁾ With rotary knob, with indication lamp Elevated knob. For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U. Material stainless steel. Anti fingerprint.		
866 stainless steel	6540-866-102	6599-0-2959	10/100
1) Replacement neon lamp, Art. No. 3855.			
	Busch-Comfort switch control element ^{1) 2)} With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
866 stainless steel	6815-866	6800-0-2345	10/10
1) Please order the respective flush mounted insert separately. 2) Surface painted.			
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible. Surface painted		
866 stainless steel	6066-866	6020-0-1389	1/10
1) Touch-type Controller 6550 U-xxx non-illuminable			

Product	Article-No.	Order-No.	Pack/Qty
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**IR control element
With marking, illuminated**
For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible. Surface painted

866 stainless steel	6067-866	6020-0-1390	1/10
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**Control element ¹⁾ ²⁾ ³⁾
With neon lamp.**
Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U. Surface painted

866 stainless steel	6543-866-101	6599-0-2926	1/10
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- 1) Compatible with previous type 6543-xxx.
- 2) Touch-type Controller 6550 U-xxx non-illuminable.
- 3) Replacement neon lamp 3857.



**Control element ¹⁾
With neon lamp.**
Combinable with Busch Memory 2gang Dimmer 6565 U. Material stainless steel. Anti fingerprint.

866 stainless steel	6545-866	6599-0-2927	1/10
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- 1) Replacement neon lamp 3857.



**Switch rocker
With marking**
As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US. Material stainless steel. Anti fingerprint.

866 stainless steel	1785 JA-866	1751-0-2964	10
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**Cover plate
With rotary control, with marking**
As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U. Material stainless steel. Anti fingerprint.

866 stainless steel	1740-866	1710-0-3748	10
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**Cover plate
With rotary control, with marking**
As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U. Material stainless steel. Anti fingerprint.

866 stainless steel	2542 DR/01-866	1710-0-3758	10
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**Cover plate
With rotary control, with marking**
As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U. Material stainless steel. Anti fingerprint.

866 stainless steel	2542 DR/02-866	1710-0-3759	10
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Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
For Busch-Short-time timer insert 6465 U. Surface painted

866 stainless steel	1773-866	1753-0-0103	10
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Cover plate
For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. Surface painted

866 stainless steel	1773/10-866	1753-0-0104	10
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Cover plate ¹⁾
For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. Surface painted

866 stainless steel	6435-866	6430-0-0344	10
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- 1) Surface painted.



**Cover plate ¹⁾
with labelling field.**
with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101. Surface painted

866 stainless steel	1755 SL/PZ-866-101	1710-0-3749	10
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- 1) Refer to marking plate 1799 18 and labelling software.



Control element
For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. Surface painted

866 stainless steel	6430-866-102	6430-0-0343	1/10
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**Cover plate ¹⁾ ²⁾
With rotary knob**
For comfort blinds insert 6419 U.

866 stainless steel	6436-866	6430-0-0362	10
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- 1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
- 2) Surface painted.



Cover plate ¹⁾
For Busch-Wind and sun blind switch insert 6480 U-10x. Surface painted

866 stainless steel	1775 S/W-866-101	1710-0-3750	10
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- ¹⁾ Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm. Surface painted		
866 stainless steel	1716-866	1731-0-1955	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 21.

	Blank plate With metal mounting plate Material stainless steel. Anti fingerprint.		
866 stainless steel	1742-866	1710-0-3751	10

	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block). Material stainless steel. Anti fingerprint.		
866 stainless steel	1749-866	1710-0-3752	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

	Cover plate 1) 2) As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm. Material stainless steel. Anti fingerprint.		
866 stainless steel	1803-866	1710-0-3763	10/100

1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.

	Cover plate 1) 2) 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm. Material stainless steel. Anti fingerprint.		
866 stainless steel	1803-02-866	1710-0-3764	10/100

1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE). Anti fingerprint.		
866 stainless steel	1766-866	1710-0-3765	10/100

	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. Conductor cross-sections up to 4 mm² rigid. With screw-type terminal. Material stainless steel. Anti fingerprint.		
866 stainless steel	1751-866	1723-0-0255	10

	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection. Material stainless steel. Anti fingerprint.		
866 stainless steel	1745-866	1710-0-3766	10

	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw. Material stainless steel. Anti fingerprint.		
866 stainless steel	1743-866	1724-0-4271	10/100

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.


	Cover plate 1) with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 60.2 x 9.2 mm. Material stainless steel. Anti fingerprint.		
866 stainless steel	1800-866	1710-0-3767	10

1) Labelling sheets 1799 18 and labelling software.

	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc. Surface painted		
866 stainless steel	1746-866	1710-0-3769	10


	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc. Surface painted		
866 stainless steel	1746/10-866	1710-0-3768	10

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
With metal mounting plate**
For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329.
Knock-out openings 6, 8, 18 mm.
Material stainless steel.
Anti fingerprint.

866 stainless steel	1748-866	1710-0-3760	10
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**Cover plate
With metal mounting plate**
As cover for BNC and TNC sockets.
Knock-out openings 6, 8, 18 mm.
Material stainless steel.
Anti fingerprint.

866 stainless steel	1750-866	1710-0-3770	10
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**Equipotential socket outlet
2gang**
Without claw.
For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm².
IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007
Connection bolts German Standard DIN 42801.
Surface painted

866 stainless steel	2095 UC-866	2495-0-0090	10
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**Cover plate
With metal mounting plate**
With screw-type terminal.
Fixed with central locknut.
As cover for pilot devices with a diameter of 22.5 mm
Without claw.
Surface painted


866 stainless steel	2533-866	1724-0-4270	10
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**Cover plate ¹⁾
With metal mounting plate**
for communication devices.
With labelling field 60.2 x 10.2 mm.
Surface painted
Without claw.

866 stainless steel	1758-866	1724-0-4272	10
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1) Labelling sheets 1799,1799 02,1799 19 and labelling software.



SCHUKO[®] socket outlet ¹⁾
With screwless terminal.
2 P + E
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel	20 EUC-866	2011-0-3850	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO[®] socket outlet ^{1) 2)}
Shuttered**
With screwless terminal.
2 P + E
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel	20 EUCKS-866	2013-0-5276	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .


Product	Article-No.	Order-No.	Pack/Qty
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**SCHUKO[®] socket outlet ¹⁾
With hinged lid.**
With screwless terminal.
2 P + E
Hinged lid notches when opened.
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel	20 EUK-866	2018-0-1490	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO[®] socket outlet ^{1) 2)}
with labelling field.**
2 P + E
Size of labelling field: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel	20 EUN-866	2011-0-3851	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) See labelling sheet 1799 xx.



**Busch-Protector[®] SCHUKO[®] socket outlet ¹⁾
With overvoltage protection.**
2 P + E
With integrated and external signalling contact.
ISN = 5 kA
Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO[®] socket outlet.
Arrestor test class: classification Type 2
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Secondary: 250 V~
Rated current: 16 A

866 stainless steel	2310EUGL/VA-866-11	2011-0-3853	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO[®] socket outlet ^{1) 2)}
With marking "EDV"**
With screwless terminal.
2 P + E
Shuttered.
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel	20 EUCKS/DV-866	2013-0-5277	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .




**SCHUKO[®] socket outlet ^{1) 2)}
With LED control light**
Shuttered.
2 P + E
With transparent lens.
LED colour green.
Surface painted
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel	20 EUCBL-866	2013-0-5289	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

Product	Article-No.	Order-No.	Pack/Qty
	Socket Outlet Cover Shuttered For socket outlet insert 20 M-500. Material stainless steel. Anti fingerprint.		
866 stainless steel	2399 UCKS-866	2099-0-0243	10/100

	Socket outlet ¹⁾ with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	NEW		
	20 M-500	2017-0-0854	10/100

1) Insert can be used for all covers 2399 UCKS-xx.

	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100

	13 A Switched socket outlet ¹⁾ 1gang With screw-type terminal. SP switched Without claw. Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
866 stainless steel	2190 EUC-866	2190-0-0217	10

1) Surface painted.

	Chinese socket outlet, 10 A ¹⁾ 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A Rated current: 10 A		
866 stainless steel	2193 EUC/10-866-500	delivery on request	

1) Surface painted.

	Chinese socket outlet, 16 A ¹⁾ 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	2193 EUC/16-866-500	delivery on request	

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Chinese and Euro American socket outlet, 10 A ¹⁾ 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
866 stainless steel	2195 EUC/10-866-500	delivery on request	

1) Surface painted.


	International socket outlet 13A ¹⁾ ²⁾ 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
866 stainless steel	2197 EUC-866-500	delivery on request	

1) Usage may be restricted in certain countries.


2) Surface painted.


	Euro American socket outlet with earth, 16 A ¹⁾ 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	2196 EUC-866-500	delivery on request	


1) Surface painted.


	Cover plate As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF. Surface painted		
866 stainless steel	1780-866	1710-0-3754	10

	Cover plate For room thermostat for room thermostat 1094 U, 1097 U Surface painted		
866 stainless steel	1794-866	1710-0-3755	10


	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF. Surface painted		
866 stainless steel	1795-866	1710-0-3756	10

	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA Surface painted		
866 stainless steel	1794 TA-866	1710-0-3761	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA Surface painted		
866 stainless steel	1795 TA-866	1710-0-3762	10

	WaveLINE LED display ^{1) 2) 3)} For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-6x. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Surface painted Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
866 stainless steel	6730-866	6730-0-0023	1


- 1) See labelling sheet 1799 xx.
- 2) Surface-painted
- 3) See labelling sheet 1799/0x.

	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
866 stainless steel	6800-866-104	6800-0-2343	1






- 1) Please order the respective flush mounted insert separately.
- 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2) 3)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surface painted Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
866 stainless steel	6800-866-104M	6800-0-2344	1

- 1) installation: slide switch top.
- 2) Please order the respective flush mounted insert separately.
- 3) Surface painted.

	Cover plate ¹⁾ For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U.		
866 stainless steel	8251-866	8200-0-0040	10

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 1gang frame Material stainless steel. Anti fingerprint.						
866 stainless steel	1721-866K	1754-0-4317	10/100				
1) Suitable for installation in trunking systems with 80 mm conduit.							
	Cover frame ¹⁾ 2gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.						
866 stainless steel	1722-866K	1754-0-4318	10/100				
1) Suitable for installation in trunking systems with 80 mm conduit.							
	Cover frame ¹⁾ 3gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.						
866 stainless steel	1723-866K	1754-0-4319	10				
1) Suitable for installation in trunking systems with 80 mm conduit.							
	Cover frame ¹⁾ 4gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.						
866 stainless steel	1724-866K	1754-0-4320	1				
1) Suitable for installation in trunking systems with 80 mm conduit.							
	Cover frame ¹⁾ 5gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.						
866 stainless steel	1725-866K	1754-0-4321	1				
1) Suitable for installation in trunking systems with 80 mm conduit.							

impuls

Light and form in perfect harmony.

impuls. In the contrast between light and dark, colours and shapes become particularly prominent. impulse unites these impressions into extraordinary design and innovative technology with harmonious light for orientation. What is particularly fascinating here is the the contrast between clear lines and the elegance of the circle. Even in the dark this switch convinces – discreet continuous light provides orientation. The additional Softtouch colours of studio white matt and black matt set impulses.





impuls

- 01 2gang combination switch/socket outlet, child protection.
Colour: black matt*.
- 02 alpine white (74/74)
- 03 ivory (72/72)
- 04 studio white matt* (774/774)
- 05 ivory/solar gold (72/73)
- 06 champagne metallic (79/79)
- 07 blackberry/chrome (777/726)
- 08 alpine white/chrome (74/726)
- 09 aluminium silver/chrome (783/726)
- 10 black matt* (775/775)

» Materials

Cover: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

*Softtouch: stimulating colours with pleasant haptics and a hard-wearing surface.

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- 02 Rocker switch 2gang
- 03 Rocker switch 1gang with labelling field
- 04 Rocker switch 1gang with labelling field "Heizungsnotschalter" and red neon lens
- 05 Rocker switch 1gang with light symbol
- 06 Rocker switch 1gang with key symbol
- 07 Busch-Universal rotary dimmer
- 08 Rocker switch with neon
- 09 Busch-Memory 2gang dimmer
- 10 Card switch
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- 17 Room thermostat with nighttime mode
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- 19 Count down timer
- 20 Movement detector

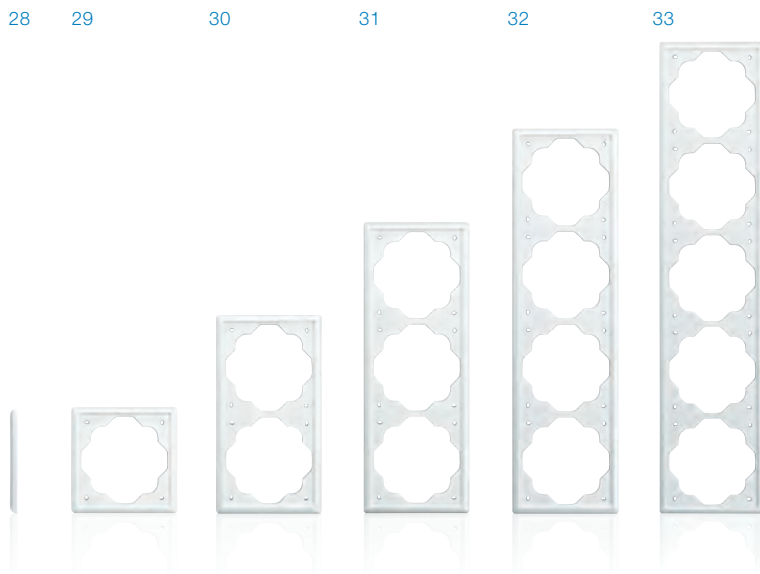
The impuls switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or

make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

Different by design



- 21 Busch-Wind and sun blind switch
- 22 Comfort timer
- 23 Busch-Blind comfort switch
- 24 Busch-Blind control switch with rotary knob
- 25 Satellite co-axial outlets Radio/TV 2gang
- 26 Antenna socket for radio/TV/satellite
- 27 Socket outlet for BNC/TNC bushings




1 to 5 gang cover frame for horizontal and vertical installation.


- 28 Side view: 6 mm x 81 mm
- 29 81 mm x 81 mm
- 30 81 mm x 152 mm
- 31 81 mm x 223 mm
- 32 81 mm x 294 mm
- 33 81 mm x 365 mm



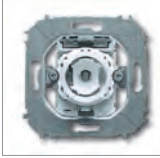
Permanent light for orientation in a deactivated state thanks to long-lasting LED technology in the colours white, red, and blue.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker Switch with parallel stroke switch mechanism ¹⁾ ²⁾ Suitable for <i>impuls</i> cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way 2001/6 U	1012-0-1614	10/100
	2gang 1way 2001/5 U	1012-0-1622	10/100
	2gang 2way 2001/6/6 U	1012-0-1671	10
1gang, intermediate 2001/7 U	1012-0-1630	10	


- 1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.

	Rocker Switch with parallel stroke mechanism ¹⁾ With neon lamp. Suitable for <i>impuls</i> cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	1gang 2way ²⁾ ³⁾ 2001/6 UKGL-101	1022-0-0615	10
	DP, 1gang 1way ⁴⁾ 2001/2 UKGL-101	1022-0-0623	10


- 1) For control lamp replacement 8305.
2) Replacement lamps 8360, 8362, and 8363 and LED inserts.
3) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.
4) Luminous ring non-illuminable.

	Push Switch ¹⁾ Suitable for <i>impuls</i> cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 A IEC 60669-1		
	SP, 1gang 2way without N-terminal 2021/6 U	1413-0-0871	10
	SP, 1gang 2way with N-terminal ²⁾ 2021/6 UK	1413-0-0897	10
	SP, 2x 1gang 2way 2021/6/6 U	1413-0-0889	10
	SP, 1gang 2way with 2 independent answering contacts 2021/6 US-201	1413-0-1051	10


- 1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) For relay and touch dimmer applications.

	Push Switch Illuminable. Suitable for <i>impuls</i> cover plate with operating knob. With N terminal. Rated voltage: 24 V~ Rated current: 10 A IEC 60669-1		
	SP, 1gang 2way with N-terminal ¹⁾ 2021/6 UNV	1012-0-1705	10
	SP, 1gang 2way with 2 independent answering contacts 2021/6 UNV-201	1012-0-2069	10


- 1) Illuminable using lamp insert 8365, 8366, 8367.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With operating knob and neon lamp. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
	72 ivory 1786-72	1753-0-0066	10/100
	74 alpine white 1786-74	1753-0-4781	10/100
	79 champagne metallic ¹⁾ 1786-79	1753-0-5267	10
	774 studio white matt ¹⁾ 1786-774	1753-0-0182	10/100
	775 black matt ¹⁾ 1786-775	1753-0-0153	10/100
	777 blackberry ¹⁾ 1786-777	1753-0-0120	10
	783 aluminium silver ¹⁾ 1786-783	1753-0-0067	10/100


- 1) Surface painted.

	Cover plate With operating knob and neon lamp. With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
	72 ivory 1789-72-101	1753-0-0076	10
	74 alpine white 1789-74-101	1753-0-6547	10
	79 champagne metallic ¹⁾ 1789-79-101	1753-0-6570	10
	774 studio white matt ¹⁾ 1789-774-101	1753-0-0189	10
	775 black matt ¹⁾ 1789-775-101	1753-0-0158	10
	777 blackberry ¹⁾ 1789-777-101	1753-0-0125	10
	783 aluminium silver ¹⁾ 1789-783-101	1753-0-0077	10


- 1) Surface painted.

	Cover plate With operating knob and neon lamp. For flush mounted switch 2g 1w, 2g push switch		
	72 ivory 1785-72	1753-0-0064	10/100
	74 alpine white 1785-74	1753-0-4856	10/100
	79 champagne metallic ¹⁾ 1785-79	1753-0-5333	10/100
	774 studio white matt ¹⁾ 1785-774	1753-0-0181	10/100
	775 black matt ¹⁾ 1785-775	1753-0-0152	10/100
	777 blackberry ¹⁾ 1785-777	1753-0-0105	10
	783 aluminium silver ¹⁾ 1785-783	1753-0-0065	10/100


- 1) Surface painted.

	Cover plate With operating knob and neon lamp. With symbol For flush mounted push switch.		
	72 ivory 1789 LI-72	1753-0-0072	10
	74 alpine white 1789 LI-74	1753-0-4815	10
	79 champagne metallic ¹⁾ 1789 LI-79	1753-0-5291	10
	774 studio white matt ¹⁾ 1789 LI-774	1753-0-0187	10
	775 black matt ¹⁾ 1789 LI-775	1753-0-0156	10
	777 blackberry ¹⁾ 1789 LI-777	1753-0-0123	10
	783 aluminium silver ¹⁾ 1789 LI-783	1753-0-0073	10


- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With operating knob and neon lamp. With bell symbol For flush mounted push switch.		
72 ivory	1789 KI-72	1753-0-0070	10
74 alpine white	1789 KI-74	1753-0-4823	10
79 champagne metallic ¹⁾	1789 KI-79	1753-0-5309	10
774 studio white matt ¹⁾	1789 KI-774	1753-0-0186	10
775 black matt ¹⁾	1789 KI-775	1753-0-0155	10
777 blackberry ¹⁾	1789 KI-777	1753-0-0122	10
783 aluminium silver ¹⁾	1789 KI-783	1753-0-0071	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
72 ivory	6541-72	6599-0-2918	10
74 alpine white	6541-74	6599-0-2076	10
79 champagne metallic ¹⁾	6541-79	6599-0-2142	10
774 studio white matt ¹⁾	6541-774	6599-0-2971	10
775 black matt ¹⁾	6541-775	6599-0-2975	10
777 blackberry ¹⁾	6541-777	6599-0-2933	10
783 aluminium silver ¹⁾	6541-783	6599-0-2919	10


1) Surface painted.

	Cover plate With operating knob and neon lamp. With key symbol For flush mounted push switch.		
72 ivory	1789 TR-72	1753-0-0074	10
74 alpine white	1789 TR-74	1753-0-4831	10
79 champagne metallic ¹⁾	1789 TR-79	1753-0-5317	10
774 studio white matt ¹⁾	1789 TR-774	1753-0-0188	10
775 black matt ¹⁾	1789 TR-775	1753-0-0157	10
777 blackberry ¹⁾	1789 TR-777	1753-0-0124	10
783 aluminium silver ¹⁾	1789 TR-783	1753-0-0075	10


1) Surface painted.

	Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
72 ivory	6540-72	6599-0-2916	1
74 alpine white	6540-74	6599-0-2084	1
79 champagne metallic ²⁾	6540-79	6599-0-2159	1
774 studio white matt ²⁾	6540-774	6599-0-2970	1
775 black matt ²⁾	6540-775	6599-0-2974	1
777 blackberry ²⁾	6540-777	6599-0-2932	1
783 aluminium silver ²⁾	6540-783	6599-0-2917	1


1) Replacement neon lamp 3856.
2) Surface painted.

	Cover plate ¹⁾ ²⁾ With operating knob and neon lamp. With labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 53 x 8,5 mm		
72 ivory	1781-72	1753-0-0062	10
74 alpine white	1781-74	1753-0-4849	10
79 champagne metallic ³⁾	1781-79	1753-0-5325	10
774 studio white matt ³⁾	1781-774	1753-0-0180	10
775 black matt ³⁾	1781-775	1753-0-0151	10
777 blackberry ³⁾	1781-777	1753-0-0119	10
783 aluminium silver ³⁾	1781-783	1753-0-0063	10


1) The labels are clamped under the labelling field.
2) See labelling sheet 1799 xx.
3) Surface painted.

	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
72 ivory	6066-72-101	6020-0-1385	1
74 alpine white	6066-74-101-500	6020-0-1190	1
79 champagne metallic ²⁾	6066-79-101	6020-0-0606	1
774 studio white matt ²⁾	6066-774-101	6020-0-1405	1
775 black matt ²⁾	6066-775-101	6020-0-1401	1
777 blackberry ²⁾	6066-777-101	6020-0-1391	1
783 aluminium silver ²⁾	6066-783-101	6020-0-1386	1

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.

	Cover plate With operating knob and neon lamp. With red neon lens. With labelling field. With marking "Heizung-Notschalter". As cover for flush mounted control 1g1w, DP. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 53 x 8,5 mm		
72 ivory	1789 H-72-101	1753-0-0068	10
74 alpine white	1789 H-74-101	1753-0-6588	10
79 champagne metallic ¹⁾	1789 H-79-101	1753-0-6612	10
774 studio white matt ¹⁾	1789 H-774-101	1753-0-0184	10
775 black matt ¹⁾	1789 H-775-101	1753-0-0154	10
777 blackberry ¹⁾	1789 H-777-101	1753-0-0121	10
783 aluminium silver ¹⁾	1789 H-783-101	1753-0-0069	10

1) Surface painted.

	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
72 ivory	6067-72-101	6020-0-1387	1
74 alpine white	6067-74-101-500	6020-0-1224	1
79 champagne metallic ¹⁾	6067-79-101	6020-0-0986	1
774 studio white matt ¹⁾	6067-774-101	6020-0-1407	1
775 black matt ¹⁾	6067-775-101	6020-0-1403	1
777 blackberry ¹⁾	6067-777-101	6020-0-1392	1
783 aluminium silver ¹⁾	6067-783-101	6020-0-1388	1

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U		
72 ivory	6543-72-101	6599-0-2920	1
74 alpine white	6543-74-101	6599-0-2597	1
79 champagne metallic 4)	6543-79-101	6599-0-2621	1
774 studio white matt 4)	6543-774-101	6599-0-2972	1
775 black matt 4)	6543-775-101	6599-0-2976	1
777 blackberry 4)	6543-777-101	6599-0-2934	1
783 aluminium silver 4)	6543-783-101	6599-0-2921	1

- 1) Compatible with previous type 6543-xxx.
 2) Touch-type Controller 6550 U-xxx non-illuminable.
 3) Replacement neon lamp 3857.
 4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
72 ivory	6545-72	6599-0-2922	1
74 alpine white	6545-74	6599-0-2903	1
79 champagne metallic 2)	6545-79	6599-0-2905	1
774 studio white matt 2)	6545-774	6599-0-2973	1
775 black matt 2)	6545-775	6599-0-2977	1
777 blackberry 2)	6545-777	6599-0-2935	1
783 aluminium silver 2)	6545-783	6599-0-2923	1

- 1) Replacement neon lamp 3857.
 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
72 ivory	1740 DR-72	1753-0-0032	10
74 alpine white	1740 DR-74	1753-0-4864	10
79 champagne metallic 1)	1740 DR-79	1753-0-5341	10
774 studio white matt 1)	1740 DR-774	1753-0-0164	10
775 black matt 1)	1740 DR-775	1753-0-0136	10
777 blackberry 1)	1740 DR-777	1753-0-0106	10
783 aluminium silver 1)	1740 DR-783	1753-0-0033	10

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
72 ivory	1792-72	1753-0-0079	10
74 alpine white	1792-74	1753-0-6703	10
79 champagne metallic 1)	1792-79	1753-0-6737	10
774 studio white matt 1)	1792-774	1753-0-0190	10
775 black matt 1)	1792-775	1753-0-0159	10
777 blackberry 1)	1792-777	1753-0-0126	10
783 aluminium silver 1)	1792-783	1753-0-0080	10

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) With neon lamp. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
72 ivory	6430-72	6430-0-0337	1
74 alpine white	6430-74	6430-0-0144	1
79 champagne metallic 2)	6430-79	6430-0-0177	1
774 studio white matt 2)	6430-774	6430-0-0379	1
775 black matt 2)	6430-775	6430-0-0381	1
777 blackberry 2)	6430-777	6430-0-0346	1
783 aluminium silver 2)	6430-783	6430-0-0338	1

- 1) Replacement neon lamp 3857.
 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) 3) With rotary knob For comfort blinds insert 6419 U.		
72 ivory	6436-72	6430-0-0372	10
74 alpine white	6436-74	6430-0-0373	10
79 champagne metallic 4)	6436-79	6430-0-0374	10
774 studio white matt 4)	6436-774	6430-0-0377	10
775 black matt 4)	6436-775	6430-0-0378	10
777 blackberry 4)	6436-777	6430-0-0375	10
783 aluminium silver 4)	6436-783	6430-0-0376	10


- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
 2) N-conductor connection required for operation with control cover 6430-7x, illuminated.
 3) Replacement neon lamp 3856.
 4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) For Busch-Wind and sun blind switch insert 6480 U-10x.		
72 ivory	1775 S/W-72-101	1710-0-3738	10
74 alpine white	1775 S/W-74-101	1710-0-3137	10
79 champagne metallic 1)	1775 S/W-79-101	1710-0-3140	10
774 studio white matt 1)	1775 S/W-774-101	1710-0-3920	10
775 black matt 1)	1775 S/W-775-101	1710-0-3915	10
777 blackberry 1)	1775 S/W-777-101	1710-0-3813	10
783 aluminium silver 1)	1775 S/W-783-101	1710-0-3739	10

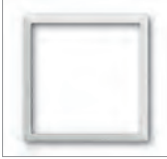
- 1) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
72 ivory	6435-72	6430-0-0341	10
74 alpine white	6435-74	6430-0-0300	10
79 champagne metallic 1)	6435-79	6430-0-0302	10
774 studio white matt 1)	6435-774	6430-0-0380	10
775 black matt 1)	6435-775	6430-0-0382	10
777 blackberry 1)	6435-777	6430-0-0347	10/10
783 aluminium silver 1)	6435-783	6430-0-0342	10

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
72 ivory	1773-72	1724-0-4267	10
74 alpine white	1773-74	1724-0-2240	10
79 champagne metallic ¹⁾	1773-79	1724-0-2273	10
774 studio white matt ¹⁾	1773-774	1724-0-4306	10
775 black matt ¹⁾	1773-775	1724-0-4304	10
777 blackberry ¹⁾	1773-777	1724-0-4286	10
783 aluminium silver ¹⁾	1773-783	1724-0-4268	10


1) Surface painted.

	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
72 ivory	1716-72	1731-0-1951	1
74 alpine white	1716-74	1731-0-1942	1
79 champagne metallic ³⁾	1716-79	1731-0-1944	1
774 studio white matt ³⁾	1716-774	1731-0-1984	1
775 black matt ³⁾	1716-775	1731-0-1983	1
777 blackberry ³⁾	1716-777	1731-0-1972	1
783 aluminium silver ³⁾	1716-783	1731-0-1952	1


1) Included with the cover are 46 different text labels and symbols.

2) See labelling sheet 1799 21.

3) Surface painted.


	Blank plate With metal mounting plate		
72 ivory	1742-72	1753-0-0034	10
74 alpine white	1742-74	1753-0-4930	10
79 champagne metallic ¹⁾	1742-79	1753-0-5416	10
774 studio white matt ¹⁾	1742-774	1753-0-0166	10
775 black matt ¹⁾	1742-775	1753-0-0138	10
777 blackberry ¹⁾	1742-777	1753-0-0107	10
783 aluminium silver ¹⁾	1742-783	1753-0-0035	10

1) Surface painted.


	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
72 ivory	1749-72	1753-0-0046	10
74 alpine white	1749-74	1753-0-5002	10
79 champagne metallic ²⁾	1749-79	1753-0-5481	10
774 studio white matt ²⁾	1749-774	1753-0-0172	10
775 black matt ²⁾	1749-775	1753-0-0143	10
777 blackberry ²⁾	1749-777	1753-0-0112	10
783 aluminium silver ²⁾	1749-783	1753-0-0047	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).


2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
72 ivory	1803-72	1753-0-0085	10
74 alpine white	1803-74	1753-0-8964	10
79 champagne metallic ¹⁾	1803-79	1753-0-8998	10
774 studio white matt ¹⁾	1803-774	1753-0-0194	10
775 black matt ¹⁾	1803-775	1753-0-0162	10
777 blackberry ¹⁾	1803-777	1753-0-0130	10
783 aluminium silver ¹⁾	1803-783	1753-0-0087	10


1) Surface painted.

	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
72 ivory	1803-02-72	1753-0-0083	10
74 alpine white	1803-02-74	1753-0-9004	10
79 champagne metallic ¹⁾	1803-02-79	1753-0-9038	10
774 studio white matt ¹⁾	1803-02-774	1753-0-0192	10
775 black matt ¹⁾	1803-02-775	1753-0-0161	10
777 blackberry ¹⁾	1803-02-777	1753-0-0129	10
783 aluminium silver ¹⁾	1803-02-783	1753-0-0084	10


1) Surface painted.

	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
72 ivory	1766-72	1753-0-0055	10
74 alpine white	1766-74	1753-0-4989	10
79 champagne metallic ¹⁾	1766-79	1753-0-5465	10
774 studio white matt ¹⁾	1766-774	1753-0-0176	10
775 black matt ¹⁾	1766-775	1753-0-0148	10
777 blackberry ¹⁾	1766-777	1753-0-0116	10
783 aluminium silver ¹⁾	1766-783	1753-0-0056	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate loudspeaker inserts and cover. fixing claws Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
72 ivory	1751-72	1753-0-0048	10
74 alpine white	1751-74	1753-0-4971	10
79 champagne metallic ¹⁾	1751-79	1753-0-5457	10
774 studio white matt ¹⁾	1751-774	1753-0-0173	10
775 black matt ¹⁾	1751-775	1753-0-0145	10
777 blackberry ¹⁾	1751-777	1753-0-0113	10
783 aluminium silver ¹⁾	1751-783	1753-0-0049	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
72 ivory	1746/10-72	1753-0-0041	10
74 alpine white	1746/10-74	1753-0-9046	10
79 champagne metallic ¹⁾	1746/10-79	1753-0-9079	10
774 studio white matt ¹⁾	1746/10-774	1753-0-0170	10
775 black matt ¹⁾	1746/10-775	1753-0-0141	10
777 blackberry ¹⁾	1746/10-777	1753-0-0110	10
783 aluminium silver ¹⁾	1746/10-783	1753-0-0042	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
72 ivory	1743-72	1753-0-0039	10
74 alpine white	1743-74	1753-0-4963	10
79 champagne metallic ²⁾	1743-79	1753-0-5440	10
774 studio white matt ²⁾	1743-774	1753-0-0168	10
775 black matt ²⁾	1743-775	1753-0-0140	10
777 blackberry ²⁾	1743-777	1753-0-0109	10
783 aluminium silver ²⁾	1743-783	1753-0-0040	10


1) See inserts for satellite coaxial socket outlets.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
72 ivory	1746-72	1753-0-0043	10
74 alpine white	1746-74	1753-0-4997	10
79 champagne metallic ¹⁾	1746-79	1753-0-5473	10
774 studio white matt ¹⁾	1746-774	1753-0-0171	10
775 black matt ¹⁾	1746-775	1753-0-0142	10
777 blackberry ¹⁾	1746-777	1753-0-0111	10
783 aluminium silver ¹⁾	1746-783	1753-0-0044	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
72 ivory	1743-03-72	1753-0-0036	10
74 alpine white	1743-03-74	1753-0-4773	10
79 champagne metallic ²⁾	1743-03-79	1753-0-5846	10
774 studio white matt ²⁾	1743-03-774	1753-0-0167	10
775 black matt ²⁾	1743-03-775	1753-0-0139	10
777 blackberry ²⁾	1743-03-777	1753-0-0108	10
783 aluminium silver ²⁾	1743-03-783	1753-0-0038	10

1) See inserts for satellite coaxial socket outlets.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
72 ivory	1758-72	1753-0-0053	10
74 alpine white	1758-74	1753-0-5010	10
79 champagne metallic ²⁾	1758-79	1753-0-5499	10
774 studio white matt ²⁾	1758-774	1753-0-0175	10
775 black matt ²⁾	1758-775	1753-0-0147	10
777 blackberry ²⁾	1758-777	1753-0-0115	10
783 aluminium silver ²⁾	1758-783	1753-0-0054	10


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 41.5 x 10 mm.		
72 ivory	1800-72	1753-0-0081	10
74 alpine white	1800-74	1753-0-8667	10
79 champagne metallic ²⁾	1800-79	1753-0-8691	10
774 studio white matt ²⁾	1800-774	1753-0-0191	10
775 black matt ²⁾	1800-775	1753-0-0160	10
777 blackberry ²⁾	1800-777	1753-0-0127	10
783 aluminium silver ²⁾	1800-783	1753-0-0082	10


1) Lettering sheets 1799, 1799 05 and lettering software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min		
72 ivory	1770-72	1753-0-0057	10
74 alpine white	1770-74	1753-0-4906	10
79 champagne metallic ¹⁾	1770-79	1753-0-5382	10
774 studio white matt ¹⁾	1770-774	1753-0-0178	10
775 black matt ¹⁾	1770-775	1753-0-0149	10
777 blackberry ¹⁾	1770-777	1753-0-0117	10
783 aluminium silver ¹⁾	1770-783	1753-0-0058	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min		
72 ivory	1771-72	1753-0-0059	10
74 alpine white	1771-74	1753-0-4914	10
79 champagne metallic ¹⁾	1771-79	1753-0-5390	10
774 studio white matt ¹⁾	1771-774	1753-0-0179	10
775 black matt ¹⁾	1771-775	1753-0-0150	10
777 blackberry ¹⁾	1771-777	1753-0-0118	10
783 aluminium silver ¹⁾	1771-783	1753-0-0061	10


1) Surface painted.

	Cover plate As cover for flush-mounted light signal. For insert 2061/2661 U.		
72 ivory	1756-72	1753-0-0050	10
74 alpine white	1756-74	1753-0-4922	10
79 champagne metallic ¹⁾	1756-79	1753-0-5408	10
774 studio white matt ¹⁾	1756-774	1753-0-0174	10
775 black matt ¹⁾	1756-775	1753-0-0146	10
777 blackberry ¹⁾	1756-777	1753-0-0114	10
783 aluminium silver ¹⁾	1756-783	1753-0-0051	10
Cap for light signal.			
11 clear-transparent	1565-11	1565-0-0167	10
12 red	1565-12	1565-0-0175	10
13 green	1565-13	1565-0-0183	10


1) Surface painted.

	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
72 ivory	20 EUC-72	2011-0-3844	10/100
74 alpine white	20 EUC-74	2011-0-2696	10/100
79 champagne metallic ²⁾	20 EUC-79	2011-0-2761	10/100
774 studio white matt ²⁾	20 EUC-774	2011-0-3890	10/100
775 black matt ²⁾	20 EUC-775	2011-0-3886	10
777 blackberry ²⁾	20 EUC-777	2011-0-3868	10/100
783 aluminium silver ²⁾	20 EUC-783	2011-0-3845	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

	SCHUKO® socket outlet ^{1) 2)} Shutterd With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
72 ivory	20 EUCKS-72	2013-0-5274	10
74 alpine white	20 EUCKS-74	2013-0-4953	10
79 champagne metallic ³⁾	20 EUCKS-79	2013-0-4979	10
774 studio white matt ³⁾	20 EUCKS-774	2013-0-5335	10
775 black matt ³⁾	20 EUCKS-775	2013-0-5334	10
777 blackberry ³⁾	20 EUCKS-777	2013-0-5295	10
783 aluminium silver ³⁾	20 EUCKS-783	2013-0-5275	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
72 ivory	20 EUK-72	2018-0-1488	10
74 alpine white	20 EUK-74	2018-0-0992	10
79 champagne metallic ²⁾	20 EUK-79	2018-0-1016	10
774 studio white matt ²⁾	20 EUK-774	2018-0-1497	10
775 black matt ²⁾	20 EUK-775	2018-0-1496	10
777 blackberry ²⁾	20 EUK-777	2018-0-1491	10
783 aluminium silver ²⁾	20 EUK-783	2018-0-1489	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

	SCHUKO® socket outlet ^{1) 2)} with labelling field. 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
72 ivory	20 EUN-72	2011-0-3846	10
74 alpine white	20 EUN-74	2011-0-2712	10
79 champagne metallic ³⁾	20 EUN-79	2011-0-2787	10
774 studio white matt ³⁾	20 EUN-774	2011-0-3893	10
775 black matt ³⁾	20 EUN-775	2011-0-3888	10
777 blackberry ³⁾	20 EUN-777	2011-0-3869	10
783 aluminium silver ³⁾	20 EUN-783	2011-0-3847	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) See labelling sheet 1799 xx.
3) Surface painted.

	Busch-Protector® SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
72 ivory	2310 EUGL/VA-72-11	2011-0-3848	1
74 alpine white	2310 EUGL/VA-74-11	2011-0-3841	1
79 champagne metallic ²⁾	2310 EUGL/VA-79-11	2011-0-3843	1
774 studio white matt ²⁾	2310 EUGL/VA-774-11	2011-0-3894	1
775 black matt ²⁾	2310 EUGL/VA-775-11	2011-0-3889	1
777 blackberry ²⁾	2310 EUGL/VA-777-11	2011-0-3870	1
783 aluminium silver ²⁾	2310 EUGL/VA-783-11	2011-0-3849	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Socket Outlet Cover Shuttered For socket outlet insert 20 M-500.		
72 ivory	2399 UCKS-72	2099-0-0239	10
74 alpine white	2399 UCKS-74	2099-0-0232	10
79 champagne metallic ¹⁾	2399 UCKS-79	2099-0-0234	10
774 studio white matt ¹⁾	2399 UCKS-774	2099-0-0258	10
775 black matt ¹⁾	2399 UCKS-775	2099-0-0257	10
777 blackberry ¹⁾	2399 UCKS-777	2099-0-0252	10
783 aluminium silver ¹⁾	2399 UCKS-783	2099-0-0240	10


1) Surface painted.

	Socket outlet ¹⁾ with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
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NEW

20 M-500 2017-0-0854 10/100

1) Insert can be used for all covers 2399 UCKS-xx.

	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
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23 M-504 2017-0-0841 10/100


	Socket outlet ¹⁾ With earthing pin With screwless terminal. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
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72 ivory	20 MUC-72-500	2017-0-0843	10
74 alpine white	20 MUC-74-500	2017-0-0822	10
79 champagne metallic ²⁾	20 MUC-79-500	2017-0-0824	10
774 studio white matt ²⁾	20 MUC-774-500	2017-0-0864	
775 black matt ²⁾	20 MUC-775-500	2017-0-0861	
777 blackberry ²⁾	20 MUC-777-500	2017-0-0850	10
783 aluminium silver ²⁾	20 MUC-783-500	2017-0-0844	10

1) Order-bound manufacturing
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ¹⁾ ²⁾ With earthing pin With screwless terminal. Shuttered. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
72 ivory	20 MUCKS-72-500	2017-0-0845	10
74 alpine white	20 MUCKS-74-500	2017-0-0836	10
79 champagne metallic ³⁾	20 MUCKS-79-500	2017-0-0837	10
774 studio white matt ³⁾	20 MUCKS-774-500	2017-0-0866	
775 black matt ³⁾	20 MUCKS-775-500	2017-0-0863	
777 blackberry ³⁾	20 MUCKS-777-500	2017-0-0851	10
783 aluminium silver ³⁾	20 MUCKS-783-500	2017-0-0846	10

1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".
2) Order-bound manufacturing
3) Surface painted.

	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
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74 alpine white	20 MUCC-74-500	2017-0-0830	10
79 champagne metallic ¹⁾	20 MUCC-79-500	2017-0-0831	10
774 studio white matt ¹⁾	20 MUCC-774-500	2017-0-0865	
775 black matt ¹⁾	20 MUCC-775-500	2017-0-0862	

1) Surface painted.

	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
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72 ivory	1794-72	1710-0-3745	10
74 alpine white	1794-74	1710-0-3552	10
79 champagne metallic ¹⁾	1794-79	1710-0-3554	10
774 studio white matt ¹⁾	1794-774	1710-0-3922	10
775 black matt ¹⁾	1794-775	1710-0-3917	10
777 blackberry ¹⁾	1794-777	1710-0-3816	10
783 aluminium silver ¹⁾	1794-783	1710-0-3744	10

1) Surface painted.


	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
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72 ivory	1795-72	1710-0-3746	10
74 alpine white	1795-74	1710-0-3577	10
79 champagne metallic ¹⁾	1795-79	1710-0-3579	10
774 studio white matt ¹⁾	1795-774	1710-0-3924	10
775 black matt ¹⁾	1795-775	1710-0-3919	10
777 blackberry ¹⁾	1795-777	1710-0-3817	10
783 aluminium silver ¹⁾	1795-783	1710-0-3747	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
	72 ivory	1794 TA-72	1710-0-3774 10
	74 alpine white	1794 TA-74	1710-0-3706 10
	79 champagne metallic ¹⁾	1794 TA-79	1710-0-3708 10
	774 studio white matt ¹⁾	1794 TA-774	1710-0-3921 10
	775 black matt ¹⁾	1794 TA-775	1710-0-3916 10
	777 blackberry ¹⁾	1794 TA-777	1710-0-3818 10
	783 aluminium silver ¹⁾	1794 TA-783	1710-0-3775 10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
	72 ivory	1795 TA-72	1710-0-3776 10
	74 alpine white	1795 TA-74	1710-0-3733 10
	79 champagne metallic ¹⁾	1795 TA-79	1710-0-3735 10
	774 studio white matt ¹⁾	1795 TA-774	1710-0-3923 10
	775 black matt ¹⁾	1795 TA-775	1710-0-3918 10
	777 blackberry ¹⁾	1795 TA-777	1710-0-3819 10
	783 aluminium silver ¹⁾	1795 TA-783	1710-0-3777 10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	72 ivory	6800-72-104	6800-0-2338 1/10
	79 champagne metallic ²⁾	6800-79-104	6800-0-2081 1
	774 studio white matt ²⁾	6800-774-104	6800-0-2504 1
	775 black matt ²⁾	6800-775-104	6800-0-2502 1
	777 blackberry ²⁾	6800-777-104	6800-0-2357 1
	783 aluminium silver ²⁾	6800-783-104	6800-0-2340 1


1) Please order the respective flush mounted insert separately.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ ²⁾ With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	72 ivory	6800-72-104M	6800-0-2339 1
	79 champagne metallic ³⁾	6800-79-104M	6800-0-2097 1
	774 studio white matt ³⁾	6800-774-104M	6800-0-2505 1
	775 black matt ³⁾	6800-775-104M	6800-0-2503 1
	777 blackberry ³⁾	6800-777-104M	6800-0-2358 1
	783 aluminium silver ³⁾	6800-783-104M	6800-0-2341 1


1) installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame		
72 ivory	1721-72	1754-0-4312	10/100
73 gold	1721-73	1754-0-3492	10/100
74 alpine white	1721-74	1754-0-2411	10/100
79 champagne metallic ¹⁾	1721-79	1754-0-2510	10/100
726 chrome	1721-726	1754-0-4133	10/100
774 studio white matt ¹⁾	1721-774	1754-0-4429	10/100
775 black matt ¹⁾	1721-775	1754-0-4424	10/100


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 5gang frame		
For vertical or horizontal installation.			
72 ivory	1725-72	1754-0-4316	1
73 gold	1725-73	1754-0-3690	1
74 alpine white	1725-74	1754-0-2452	1
79 champagne metallic ¹⁾	1725-79	1754-0-2551	1
726 chrome	1725-726	1754-0-4137	1
774 studio white matt ¹⁾	1725-774	1754-0-4436	1
775 black matt ¹⁾	1725-775	1754-0-4428	1


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 2gang frame		
For vertical or horizontal installation.			
72 ivory	1722-72	1754-0-4313	10/100
73 gold	1722-73	1754-0-3542	10
74 alpine white	1722-74	1754-0-2429	10/100
79 champagne metallic ¹⁾	1722-79	1754-0-2528	10
726 chrome	1722-726	1754-0-4134	10/100
774 studio white matt ¹⁾	1722-774	1754-0-4431	10/100
775 black matt ¹⁾	1722-775	1754-0-4425	10/100

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 3gang frame		
For vertical or horizontal installation.			
72 ivory	1723-72	1754-0-4314	10
73 gold	1723-73	1754-0-3591	10
74 alpine white	1723-74	1754-0-2437	10
79 champagne metallic ¹⁾	1723-79	1754-0-2536	10
726 chrome	1723-726	1754-0-4135	10
774 studio white matt ¹⁾	1723-774	1754-0-4433	10
775 black matt ¹⁾	1723-775	1754-0-4426	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 4gang frame		
For vertical or horizontal installation.			
72 ivory	1724-72	1754-0-4315	1
73 gold	1724-73	1754-0-3641	1
74 alpine white	1724-74	1754-0-2445	1
79 champagne metallic ¹⁾	1724-79	1754-0-2544	1
726 chrome	1724-726	1754-0-4136	1
774 studio white matt ¹⁾	1724-774	1754-0-4434	1
775 black matt ¹⁾	1724-775	1754-0-4427	1

1) Surface painted.

solo®

Individual in form and colour.

solo®. Distinctive character is often seen in subtleties. In details. In uniqueness. That is also the case with design. This subtle difference connoisseurs find in the switch series solo®. It is just that touch different. Its essence is totally straightforward. An inherent ideal of beauty – rich in contrast of form and colour. Something exceptional.





solo®

- 01 2gang combination switch/socket outlet, shuttered.
Rocker switch: davos studio white.
Frame: chrome matt.
 - 02 davos (studio white/chrome matt) (84 / 80)
 - 03 toscana (purple/chrome matt) (87 / 80)
 - 04 savanne (ivory/chrome matt) (82 / 80)
 - 05 sahara (yellow/chrome matt) (815 / 80)
 - 06 meteor (grey metallic/chrome gloss) (803 / 80G)
 - 07 husky (studio white/ studio white) (84/84)
-

» Materials

Cover: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

Contents

solo®

Rocker switches	p. 108
Cover plates	p. 109
SCHUKO® socket outlets	p. 113
WaveLINE LED display	p. 116
Busch Watchdog	p. 116
Cover frame	p. 117



- 01 Rocker switch 1gang
- 02 Rocker switch 2gang
- 03 Busch-Universal rotary dimmer
- 04 Touch dimmer
- 05 Busch-Memory 2gang dimmer
- 06 Busch-Comfort switch
- 07 IR sensor with 1gang control element
- 08 SCHUKO® socket outlet shuttered
- 09 Card switch
- 10 Busch-Blind control switch with rotary knob
- 11 Busch-Blind control switch with semi-cylindrical lock
- 12 Busch-Blind comfort switch
- 13 Comfort timer
- 14 Room thermostat with display
- 15 WaveLINE LED display
- 16 Busch-Infoline® alarm insert
- 17 Busch-AudioWorld® DigitalRadio
- 18 Antenna socket for radio/TV/satellite

The solo® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or

make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

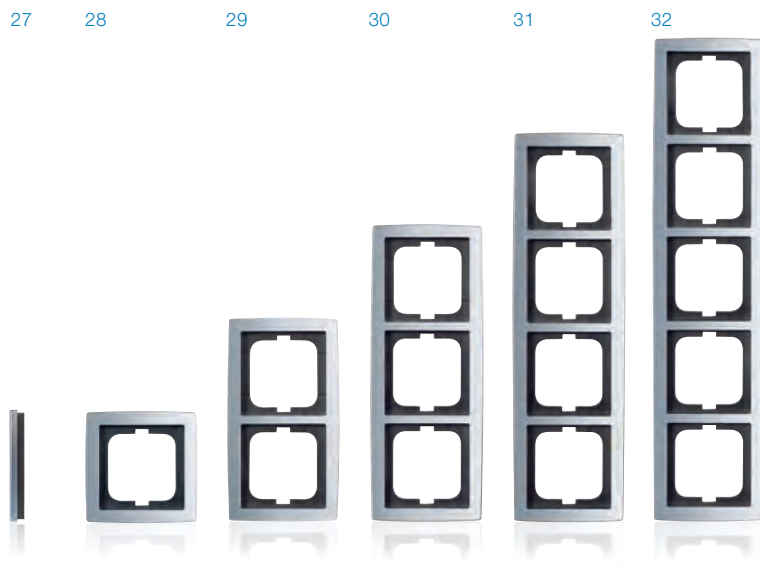
Different by design



- 19 KNX sensor 1/2gang with color concept*
- 20 KNX sensor 2/4gang with color concept*
- 21 KNX sensor 4/8gang with color concept*
- 22 KNX sensor IR sensor with 3/6gang control element and color concept*
- 23 KNX room thermostat with 2/4gang sensor and color concept*
- 24 KNX sensor room thermostat with heating/cooling mode*
- 25 KNX Flush-mounted movement detector comfort with Multi-lens*
- 26 KNX Flush-mounted movement detector standard*


The LEDs of the sensors can be set in several colours to allow the buttons to be assigned to specific applications (e.g. light, blind, heating).

* Please find further information in the chapter ABB i-bus® KNX.




1 to 5 gang cover frame for horizontal and vertical installation.


- 27 Side view: 11 mm x 87 mm
- 28 87 mm x 87 mm
- 29 87 mm x 157 mm
- 30 87 mm x 228 mm
- 31 87 mm x 299 mm
- 32 87 mm x 370 mm

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
82 savanna/ ivory white	1786-82	1751-0-2741	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100
87 toscana/purple *)	1786-87	1751-0-2773	10/100
803 meteor/ grey metallic 1)	1786-803	1751-0-3012	10/100
815 sahara/yellow	1786-815	1751-0-3003	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
82 savanna/ ivory white	1789 KI-82	1751-0-2746	10
84 davos/studio white	1789 KI-84	1751-0-2754	10
87 toscana/purple *)	1789 KI-87	1751-0-2778	10
803 meteor/ grey metallic 1)	1789 KI-803	1751-0-3015	10
815 sahara/yellow	1789 KI-815	1751-0-3006	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With red neon lens. As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way.		
82 savanna/ ivory white	1789-82	1751-0-2813	10
84 davos/studio white	1789-84	1751-0-2814	10/100
87 toscana/purple *)	1789-87	1751-0-2817	10
803 meteor/ grey metallic 1)	1789-803	1751-0-3013	10
815 sahara/yellow	1789-815	1751-0-3004	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
82 savanna/ ivory white	1789 TR-82	1751-0-2747	10
84 davos/studio white	1789 TR-84	1751-0-2755	10
87 toscana/purple *)	1789 TR-87	1751-0-2779	10
803 meteor/ grey metallic 1)	1789 TR-803	1751-0-3016	10
815 sahara/yellow	1789 TR-815	1751-0-3007	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.		
82 savanna/ ivory white	1764 NLI-82	1731-0-1876	10
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100
87 toscana/purple *)	1764 NLI-87	1731-0-1880	10
803 meteor/ grey metallic 3)	1764 NLI-803	1731-0-1975	10
815 sahara/yellow	1764 NLI-815	1731-0-1973	10


1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
82 savanna/ ivory white	1788-82	1751-0-2742	10
84 davos/studio white	1788-84	1751-0-2750	10/100
87 toscana/purple *)	1788-87	1751-0-2774	10
803 meteor/ grey metallic 1)	1788-803	1751-0-3017	10
815 sahara/yellow	1788-815	1751-0-3008	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
82 savanna/ ivory white	1789 LI-82	1751-0-2745	10
84 davos/studio white	1789 LI-84	1751-0-2753	10/100
87 toscana/purple *)	1789 LI-87	1751-0-2777	10
803 meteor/ grey metallic 1)	1789 LI-803	1751-0-3014	10
815 sahara/yellow	1789 LI-815	1751-0-3005	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
82 savanna/ ivory white	1785-82	1751-0-2744	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100
87 toscana/purple *)	1785-87	1751-0-2776	10/100
803 meteor/ grey metallic 1)	1785-803	1751-0-3018	10/100
815 sahara/yellow	1785-815	1751-0-3009	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
82 savanna/ ivory white	1789 H-82	1751-0-2743	10
84 davos/studio white	1789 H-84	1751-0-2751	10
87 toscana/purple ¹⁾	1789 H-87	1751-0-2775	10
803 meteor/ grey metallic ¹⁾	1789 H-803	1751-0-3019	10
815 sahara/yellow	1789 H-815	1751-0-3010	10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
82 savanna/ ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
87 toscana/purple ¹⁾	6541-87	6599-0-2844	10
803 meteor/ grey metallic ¹⁾	6541-803	6599-0-2940	10
815 sahara/yellow	6541-815	6599-0-2936	10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate¹⁾ With rotary knob, with indication lamp Elevated knob. For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
82 savanna/ ivory white	6540-82-102	6599-0-2951	10/100
84 davos/studio white	6540-84-102	6599-0-2953	10/100
87 toscana/purple ¹⁾	6540-87-102	6599-0-2956	10
803 meteor/ grey metallic ²⁾	6540-803-102	6599-0-2980	10
815 sahara/yellow	6540-815-102	6599-0-2981	10


- 1) Replacement neon lamp, Art. No. 3855.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control element¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux, Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ ivory white	6815-82	6800-0-2285	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
87 toscana/purple ¹⁾	6815-87	6800-0-2289	1/10
803 meteor/ grey metallic ²⁾	6815-803	6800-0-2481	1/10
815 sahara/yellow	6815-815	6800-0-2480	1/10

- 1) Please order the respective flush mounted insert separately.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
82 savanna/ ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
87 toscana/purple ¹⁾	6066-87	6020-0-1340	1/10
803 meteor/ grey metallic ²⁾	6066-803	6020-0-1395	1/10
815 sahara/yellow	6066-815	6020-0-1393	1/10


- 1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
82 savanna/ ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1
87 toscana/purple ¹⁾	6067-87	6020-0-1341	1
803 meteor/ grey metallic ¹⁾	6067-803	6020-0-1396	1/10
815 sahara/yellow	6067-815	6020-0-1394	1/10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element¹⁾ 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
82 savanna/ ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
87 toscana/purple ¹⁾	6543-87-101	6599-0-2843	1/10
803 meteor/ grey metallic ¹⁾	6543-803-101	6599-0-2942	1/10
815 sahara/yellow	6543-815-101	6599-0-2938	1/10


- 1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
82 savanna/ ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
87 toscana/purple ¹⁾	6545-87	6599-0-2911	1/10
803 meteor/ grey metallic ²⁾	6545-803	6599-0-2943	1/10
815 sahara/yellow	6545-815	6599-0-2939	1/10


- 1) Replacement neon lamp 3857.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
82 savanna/ ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
87 toscana/purple ¹⁾	1785 JA-87	1751-0-2780	10
803 meteor/ grey metallic ¹⁾	1785 JA-803	1751-0-3020	10
815 sahara/yellow	1785 JA-815	1751-0-3011	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
87 toscana/purple ¹⁾	6430-87-102	6430-0-0332	1/10
803 meteor/ grey metallic ¹⁾	6430-803-102	6430-0-0350	1/10
815 sahara/yellow	6430-815-102	6430-0-0348	1/10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
82 savanna/ ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
87 toscana/purple ¹⁾	1740-87	1710-0-3226	10
803 meteor/ grey metallic ¹⁾	1740-803	1710-0-3840	10
815 sahara/yellow	1740-815	1710-0-3820	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate¹⁾ With rotary knob For comfort blinds insert 6419 U.		
82 savanna/ ivory white	6436-82	6430-0-0356	10
84 davos/studio white	6436-84	6430-0-0358	10
87 toscana/purple ¹⁾	6436-87	6430-0-0359	10
803 meteor/ grey metallic ²⁾	6436-803	6430-0-0360	10
815 sahara/yellow	6436-815	6430-0-0361	10


1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate¹⁾ with labelling field. with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
82 savanna/ ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
87 toscana/purple ¹⁾	1755 SL/PZ-87-101	1710-0-3229	10
803 meteor/ grey metallic ²⁾	1755 SL/PZ-803-101	1710-0-3841	10
815 sahara/yellow	1755 SL/PZ-815-101	1710-0-3821	10

1) Refer to marking plate 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate¹⁾ For Busch-Wind and sun blind switch insert 6480 U-10x.		
82 savanna/ ivory white	1775 S/W-82-101	1710-0-3156	10
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10
87 toscana/purple ¹⁾	1775 S/W-87-101	1710-0-3228	10
803 meteor/ grey metallic ¹⁾	1775 S/W-803-101	1710-0-3842	10
815 sahara/yellow	1775 S/W-815-101	1710-0-3822	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
82 savanna/ ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
87 toscana/purple ¹⁾	6435-87	6430-0-0309	10
803 meteor/ grey metallic ¹⁾	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
82 savanna/ ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
82 savanna/ ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
87 toscana/purple *)	1716-87	1731-0-1926	1
803 meteor/ grey metallic 3)	1716-803	1731-0-1976	1
815 sahara/yellow	1716-815	1731-0-1974	1

- 1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 21.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
82 savanna/ ivory white	1742-82	1710-0-3143	10
84 davos/studio white	1742-84	1710-0-3161	10/100
87 toscana/purple *)	1742-87	1710-0-3215	10
803 meteor/ grey metallic 1)	1742-803	1710-0-3843	10
815 sahara/yellow	1742-815	1710-0-3823	10

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
82 savanna/ ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100
87 toscana/purple *)	1749-87	1710-0-3217	10
803 meteor/ grey metallic 2)	1749-803	1710-0-3844	10
815 sahara/yellow	1749-815	1710-0-3824	10

- 1) Cover plate can also be used individually as cover for telephone connector boxes (VD0).
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
87 toscana/purple *)	1803-87	1710-0-3219	10
803 meteor/ grey metallic 2)	1803-803	1710-0-3852	10
815 sahara/yellow	1803-815	1710-0-3832	10

- 1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
87 toscana/purple *)	1803-02-87	1710-0-3218	10
803 meteor/ grey metallic 2)	1803-02-803	1710-0-3853	10
815 sahara/yellow	1803-02-815	1710-0-3833	10

- 1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/Ox-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
82 savanna/ ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
87 toscana/purple *)	1766-87	1710-0-3216	10
803 meteor/ grey metallic 1)	1766-803	1710-0-3854	10
815 sahara/yellow	1766-815	1710-0-3834	10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
82 savanna/ ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
87 toscana/purple *)	1751-87	1723-0-0243	10
803 meteor/ grey metallic 1)	1751-803	1723-0-0257	10
815 sahara/yellow	1751-815	1723-0-0256	10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VD0). Can be knocked out for single or double connection.		
82 savanna/ ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
87 toscana/purple *)	1745-87	1710-0-3227	10
803 meteor/ grey metallic 1)	1745-803	1710-0-3855	10
815 sahara/yellow	1745-815	1710-0-3835	10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
82 savanna/ ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
87 toscana/purple *)	1743-87	1724-0-2769	10
803 meteor/ grey metallic 3)	1743-803	1724-0-4291	10
815 sahara/yellow	1743-815	1724-0-4288	10


- 1) Third opening can be knocked out.
- 2) See inserts for satellite coaxial socket outlets.
- 3) Surface painted.
- *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10/100
87 toscana/purple *)	1800-87	1710-0-3230	10
803 meteor/ grey metallic 2)	1800-803	1710-0-3856	10
815 sahara/yellow	1800-815	1710-0-3836	10

- 1) Labelling sheets 1799 18 and labelling software.
- 2) Surface painted.
- *) Phase-out type

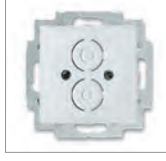
Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
87 toscana/purple *)	1746/10-87	1710-0-3525	10
803 meteor/ grey metallic 1)	1746/10-803	1710-0-3857	10
815 sahara/yellow	1746/10-815	1710-0-3837	10

- 1) Surface painted.
- *) Phase-out type

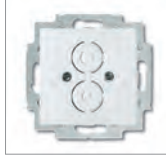
Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747 SI-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
87 toscana/purple *)	1746-87	1710-0-3221	10
803 meteor/ grey metallic 1)	1746-803	1710-0-3858	10
815 sahara/yellow	1746-815	1710-0-3838	10

- 1) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
82 savanna/ ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10
803 meteor/ grey metallic 1)	1748-803	1710-0-3851	10
815 sahara/yellow	1748-815	1710-0-3831	10

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
82 savanna/ ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
87 toscana/purple *)	1750-87	1710-0-3220	10
803 meteor/ grey metallic 1)	1750-803	1710-0-3859	10
815 sahara/yellow	1750-815	1710-0-3839	10

- 1) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
82 savanna/ ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
87 toscana/purple *)	1758-87	1724-0-2770	10
803 meteor/ grey metallic 2)	1758-803	1724-0-4292	10
815 sahara/yellow	1758-815	1724-0-4289	10

- 1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
- 2) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) With screwless terminal. 2 P + E Rated voltage: 250 V~ Supply voltage: 250 V~ Rated current: 16 A		
82 savanna/ ivory white	20 EUC-82	2011-0-3721	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
87 toscana/purple 1)	20 EUC-87	2011-0-3737	10/100
803 meteor/ grey metallic 2)	20 EUC-803	2011-0-3875	10/100
815 sahara/yellow	20 EUC-815	2011-0-3872	10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Surface painted.
- 1) Phase-out type

	SCHUKO® socket outlet 1) with marking With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
green (SV) RAL 6018	20 EUC-13-82	2011-0-3722	10
orange (ZSV) RAL 2004	20 EUC-14-82	2011-0-3723	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ ivory white	20 EUCKS-82	2013-0-5244	10/100
84 davos/studio white	20 EUCKS-84	2013-0-5245	10/100
87 toscana/purple 1)	20 EUCKS-87	2013-0-5248	10
803 meteor/ grey metallic 2)	20 EUCKS-803	2013-0-5297	10/100
815 sahara/yellow	20 EUCKS-815	2013-0-5296	10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Increased shock protection.
- 3) Surface painted.
- 1) Phase-out type

	SCHUKO® socket outlet 1) With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ ivory white	20 EUK-82	2018-0-1465	10
84 davos/studio white	20 EUK-84	2018-0-1467	10/100
87 toscana/purple 1)	20 EUK-87	2018-0-1473	10
803 meteor/ grey metallic 2)	20 EUK-803	2018-0-1493	10
815 sahara/yellow	20 EUK-815	2018-0-1492	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Surface painted.
- 1) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) with labelling field. 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ ivory white	20 EUN-82	2011-0-3726	10
84 davos/studio white	20 EUN-84	2011-0-3727	10/100
87 toscana/purple 1)	20 EUN-87	2011-0-3734	10
803 meteor/ grey metallic 2)	20 EUN-803	2011-0-3876	10
815 sahara/yellow	20 EUN-815	2011-0-3873	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Labelling sheets 1799 18 and labelling software.
- 3) Surface painted.
- 1) Phase-out type

	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
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82 savanna/ ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
87 toscana/purple 1)	2310 EUGL/VA-87-11	2011-0-3836	1
803 meteor/ grey metallic 2)	2310 EUGL/VA-803-11	2011-0-3877	1
815 sahara/yellow	2310 EUGL/VA-815-11	2011-0-3874	1

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Surface painted.
- 1) Phase-out type


	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
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82 savanna/ ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
- 3) Increased shock protection.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBL-82	2013-0-5284	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet Busch-steplight® ^{1) 2)} Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.


	Socket Outlet Cover Shuttered For socket outlet insert 20 M-500. Rated voltage: 250 V~		
82 savanna/ ivory white	2399 UCKS-82	2099-0-0211	10
84 davos/studio white	2399 UCKS-84	2099-0-0214	10
87 toscana/purple ¹⁾	2399 UCKS-87	2099-0-0218	10
803 meteor/ grey metallic ¹⁾	2399 UCKS-803	2099-0-0253	10
815 sahara/yellow	2399 UCKS-815	2099-0-0254	10

1) Surface painted.
¹⁾ Phase-out type

	Socket outlet ¹⁾ with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	NEW 20 M-500	2017-0-0854	10/100

1) Insert can be used for all covers 2399 UCKS-xx.

	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100


Product	Article-No.	Order-No.	Pack/Qty
	13 A Switched socket outlet SP switched 1 gang Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
82 savanna/ ivory white	2190 EUC-82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100

	2-gang Euro American socket outlet, 10A Rated voltage: 250 V~ Rated current: 10 A		
82 savanna/ ivory white	2192-02 UC-82-500	<i>delivery on request</i>	
84 davos/studio white	2192-02 UC-84-500	<i>delivery on request</i>	

	Chinese socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
82 savanna/ ivory white	2193 EUC/10-82-500	<i>delivery on request</i>	
84 davos/studio white	2193 EUC/10-84-500	<i>delivery on request</i>	

	Chinese socket outlet, 16 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	2193 EUC/16-84-500	<i>delivery on request</i>	

	Chinese and Euro American socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
82 savanna/ ivory white	2195 EUC/10-82-500	<i>delivery on request</i>	
84 davos/studio white	2195 EUC/10-84-500	<i>delivery on request</i>	

	International socket outlet 13A Rated voltage: 250 V~ Rated current: 13 A		
82 savanna/ ivory white	2197 EUC-82-500	<i>delivery on request</i>	
84 davos/studio white	2197 EUC-84-500	<i>delivery on request</i>	

Product	Article-No.	Order-No.	Pack/Qty
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Euro American socket outlet with earth, 16 A
Rated voltage: 250 V~
Rated current: 16 A

82 savanna/ ivory white	2196 EUC-82-500		delivery on request
84 davos/studio white	2196 EUC-84-500		delivery on request



**Socket outlet
With earthing pin**
With screwless terminal.
Suitable for the countries like Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

82 savanna/ ivory white	20 MUC-82-500	2017-0-0785	10/100
84 davos/studio white	20 MUC-84-500	2017-0-0786	10/100
87 toscana/(purple)	20 MUC-87-500	2017-0-0789	10/100

*) Phase-out type



**Socket outlet 1)
With earthing pin**
With screwless terminal.
Shuttered.
Suitable for the countries like Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

82 savanna/ ivory white	20 MUCKS-82-500	2017-0-0806	10
84 davos/studio white	20 MUCKS-84-500	2017-0-0807	10
803 meteor/ grey metallic 2)	20 MUCKS-803-500	2017-0-0852	10
815 sahara/yellow	20 MUCKS-815-500	2017-0-0853	10

1) Socket outlet with integrated child protection. Replaces the usual term"...with child protection".
2) Surface painted.



Cover plate
As cover for flush mounted room thermostat with make contact and time control.
For inserts 1080 U and 1080 UF.

82 savanna/ ivory white	1780-82	1710-0-3151	10
84 davos/studio white	1780-84	1710-0-3169	10
87 toscana/(purple)	1780-87	1710-0-3223	10
803 meteor/ grey metallic 1)	1780-803	1710-0-3846	10
815 sahara/yellow	1780-815	1710-0-3826	10

1) Surface painted.
*) Phase-out type



**Cover plate
For room thermostat**
for thermostat 1094 U, 1097 U

82 savanna/ ivory white	1794-82	1710-0-3543	10
84 davos/studio white	1794-84	1710-0-3544	10
87 toscana/(purple)	1794-87	1710-0-3547	10
803 meteor/ grey metallic 1)	1794-803	1710-0-3847	10
815 sahara/yellow	1794-815	1710-0-3827	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
For room thermostat**
With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.

82 savanna/ ivory white	1795-82	1710-0-3568	10
84 davos/studio white	1795-84	1710-0-3569	10
87 toscana/(purple)	1795-87	1710-0-3572	10
803 meteor/ grey metallic 1)	1795-803	1710-0-3848	10
815 sahara/yellow	1795-815	1710-0-3828	10

1) Surface painted.
*) Phase-out type



**Cover plate
For room thermostat**
For room thermostat 1094 UTA, 1097 UTA

82 savanna/ ivory white	1794 TA-82	1710-0-3696	10
84 davos/studio white	1794 TA-84	1710-0-3698	10
87 toscana/(purple)	1794 TA-87	1710-0-3701	10
803 meteor/ grey metallic 1)	1794 TA-803	1710-0-3849	10
815 sahara/yellow	1794 TA-815	1710-0-3829	10

1) Surface painted.
*) Phase-out type



**Cover plate
For room thermostat**
With sliding switch for nightly room temperature reduction
For room thermostat 1095 UTA, 1096 UTA

82 savanna/ ivory white	1795 TA-82	1710-0-3723	10
84 davos/studio white	1795 TA-84	1710-0-3725	10
87 toscana/(purple)	1795 TA-87	1710-0-3728	10
803 meteor/ grey metallic 1)	1795 TA-803	1710-0-3850	10
815 sahara/yellow	1795 TA-815	1710-0-3830	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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WaveLINE LED display 1) 2)

For status display of window handle positions: open = red, closed = green, tilted = yellow.
 Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
 4 individual LED display channels.
 Up to 8 WaveLine transmitters can be taught-in on each LED display channel.
 Up to 8 WaveLine transmitters can be taught-in on onsite operation.
 After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
 Status display for depleted WaveLINE transmitter battery.
 Status display for faulty transmission link and defective WaveLINE transmitter.
 User-friendly start-up without PC / software.
 Printed labelling sheet with 8 different inlay sheets.
 For WaveLINE window position sensor 6720-6x.
 For WaveLINE 6721-xx universal signalling unit.
 For Busch Watchdog 220 WaveLINE 6745 AGM.
 For Busch-Universal relay switch insert 6404 U.
 For universal dimmer switch insert 6595 U.
 Range in free field: approx. 100 m
 Send/receive frequency: 868 MHz.
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

82 savanna/ ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
87 toscana/purple *)	6730-87	6730-0-0020	1
803 meteor/ grey metallic 3)	6730-803	6730-0-0025	1
815 sahara/yellow	6730-815	6730-0-0024	1

- 1) See labelling sheet 1799 xx.
 2) See labelling sheet 1799/0x.
 3) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 180 flush mounted comfort sensor II 1) 2)
With multi-lens

For automatic switching of devices dependent on motion and brightness.
 For down-to-ground detection.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 28 sectors with 112 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 15 m, lateral: 5 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

82 savanna/ ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
87 toscana/purple *)	6800-87-104M	6800-0-2108	1
803 meteor/ grey metallic 3)	6800-803-104M	6800-0-2485	1
815 sahara/yellow	6800-815-104M	6800-0-2483	1

- 1) installation: slide switch top.
 2) Please order the respective flush mounted insert separately.
 3) Surface painted.
 *) Phase-out type


Busch-Watchdog 180 flush mounted comfort sensor II 1)
With select-lens

For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

82 savanna/ ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10
87 toscana/purple *)	6800-87-104	6800-0-2107	1
803 meteor/ grey metallic 2)	6800-803-104	6800-0-2484	1
815 sahara/yellow	6800-815-104	6800-0-2482	1

- 1) Please order the respective flush mounted insert separately.
 2) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Cover frame ¹⁾
1gang frame
 For vertical or horizontal installation.

80 chrome	1721-80	1754-0-4104	10/100
80G chrome gloss	1721-80G	1754-0-4326	10/100
84 davos/studio white	1721-84	1754-0-4109	10/100

1) Suitable for installation in trunking systems with 80 mm conduit.



Cover frame
2gang frame
 For vertical or horizontal installation.

80 chrome	1722-80	1754-0-4105	10/100
80G chrome gloss	1722-80G	1754-0-4327	10
84 davos/studio white	1722-84	1754-0-4110	10/100



Cover frame
3gang frame
 For vertical or horizontal installation.

80 chrome	1723-80	1754-0-4106	10/100
80G chrome gloss	1723-80G	1754-0-4328	10
84 davos/studio white	1723-84	1754-0-4111	10/100



Cover frame
4gang frame
 For vertical or horizontal installation.

80 chrome	1724-80	1754-0-4107	1
80G chrome gloss	1724-80G	1754-0-4329	1
84 davos/studio white	1724-84	1754-0-4112	1



Cover frame
5gang frame
 For vertical or horizontal installation.

80 chrome	1725-80	1754-0-4108	1
80G chrome gloss	1725-80G	1754-0-4330	1
84 davos/studio white	1725-84	1754-0-4113	1

Busch-axcent®

Setting the tone. Leading the way.

Busch-axcent®. Colours and contrasts set the tone. With Busch-axcent® this becomes easy. Because the uncompromising design – with corners and edges – corresponds effortlessly with the modern style of furnishing. While at the same time creating atmosphere and orientation, in a colour guidance system.





Busch-axcent®

- 01 2gang combination switch/socket outlet.
Rocker switch: studio white. Frame: black.
- 02 white (studio white/white) 84/284
- 03 blue (studio white/blue) 84/288
- 04 red (studio white/red) 84/287
- 05 yellow (studio white/yellow) 84/285
- 06 green (studio white/green) 84/286
- 07 black (studio white/black) 84/281

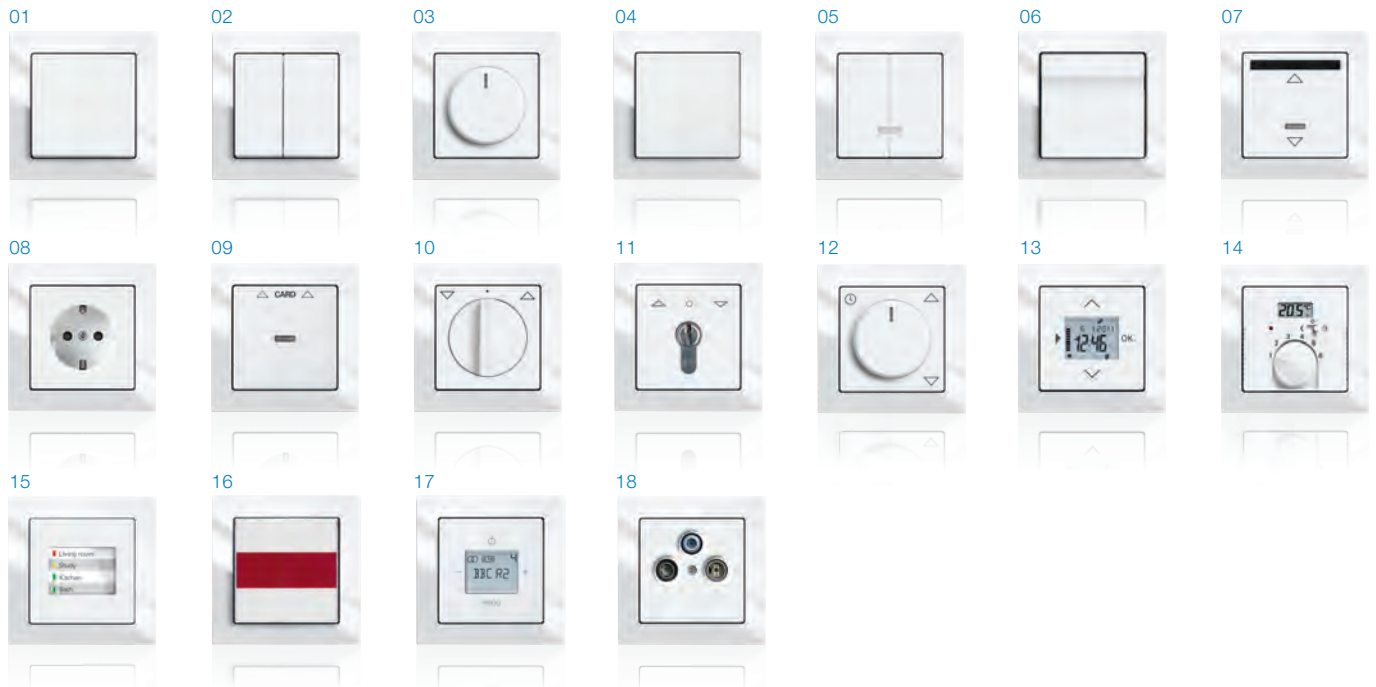
» Materials

Cover: Thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

Contents Busch-axcent®

Rocker switches	p. 122
Cover plates	p. 122
SCHUKO® socket outlets	p. 125
WaveLINE LED display	p. 127
Busch Watchdog	p. 127
Cover frame	p. 128

Busch-axcent®



- 01 Rocker switch 1gang
- 02 Rocker switch 2gang
- 03 Busch-Universal rotary dimmer
- 04 Touch dimmer
- 05 Busch-Memory 2gang dimmer
- 06 Busch-Comfort switch
- 07 IR sensor with 1gang control element
- 08 SCHUKO® socket outlet shuttered
- 09 Card switch
- 10 Busch-Blind control switch with rotary knob
- 11 Busch-Blind control switch with semi-cylindrical lock
- 12 Busch-Blind control switch
- 13 Comfort timer
- 14 Room thermostat with display
- 15 WaveLINE LED display
- 16 Busch-Infoline® alarm insert
- 17 Busch-AudioWorld® DigitalRadio
- 18 Antenna socket for radio/TV/satellite

The Busch-axcent® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase

safety, or make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

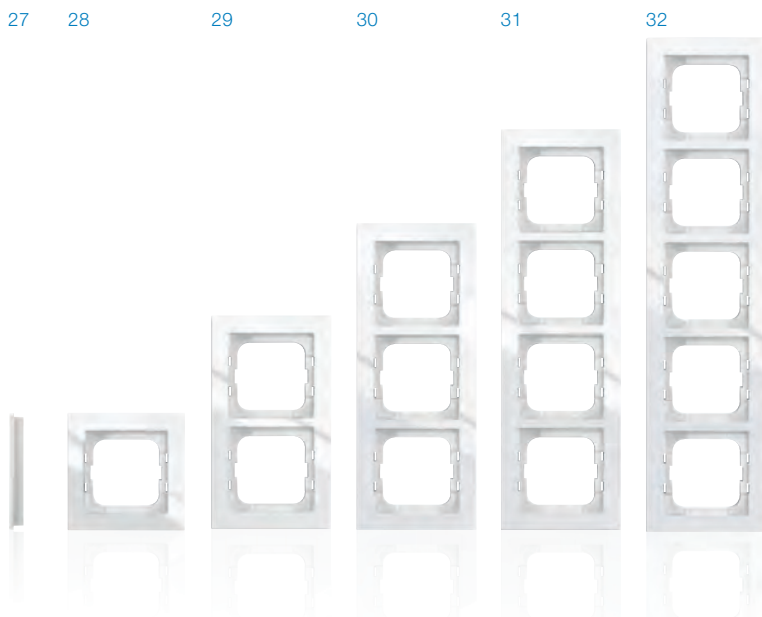
Different by design



- 19 KNX sensor 1/2gang with color concept*
- 20 KNX sensor 2/4gang with color concept*
- 21 KNX sensor 4/8gang with color concept*
- 22 KNX sensor IR sensor with 3/6gang control element and color concept*
- 23 KNX room thermostat with 2/4gang sensor and color concept*
- 24 KNX sensor room thermostat with heating/cooling mode*
- 25 KNX Flush-mounted movement detector comfort with Multi-lens*
- 26 KNX Flush-mounted movement detector standard*









The LEDs of the sensors can be set in several colours to allow the buttons to be assigned to specific applications (e.g. light, blind, heating).







* Please find further information in the chapter ABB i-bus® KNX.



1 to 5 gang cover frame for horizontal and vertical installation.

- 27 Side view: 11 mm x 91 mm
- 28 91 mm x 91 mm
- 29 91 mm x 162 mm
- 30 91 mm x 233 mm
- 31 91 mm x 304 mm
- 32 91 mm x 375 mm

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
84 davos/studio white	1786-84	1751-0-2749	10/100
	Switch rocker With red neon lens. As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way.		
84 davos/studio white	1789-84	1751-0-2814	10/100
	Switch rocker ^{1) 2)} with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.		
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100
	Switch rocker With symbol For flush mounted push switch.		
84 davos/studio white	1789 LI-84	1751-0-2753	10/100
	Switch rocker With bell symbol For flush mounted push switch.		
84 davos/studio white	1789 KI-84	1751-0-2754	10
	Switch rocker With key symbol For flush mounted push switch.		
84 davos/studio white	1789 TR-84	1751-0-2755	10
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
84 davos/studio white	1788-84	1751-0-2750	10/100
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
84 davos/studio white	1785-84	1751-0-2752	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
84 davos/studio white	1789 H-84	1751-0-2751	10
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
84 davos/studio white	6541-84	6599-0-2835	10
	Cover plate ¹⁾ With rotary knob, with indication lamp Elevated knob. For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
84 davos/studio white	6540-84-102	6599-0-2953	10/100
	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
84 davos/studio white	6815-84	6800-0-2286	1/10
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
84 davos/studio white	6066-84	6020-0-1334	1/10
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
84 davos/studio white	6067-84	6020-0-1335	1

Product	Article-No.	Order-No.	Pack/Qty
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**Control element ¹⁾ ²⁾ ³⁾
With neon lamp.**
Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.

84 davos/studio white **6543-84-101** 6599-0-2834 1/10

- 1) Compatible with previous type 6543-xxx.
- 2) Touch-type Controller 6550 U-xxx non-illuminable.
- 3) Replacement neon lamp 3857.



**Control element ¹⁾
With neon lamp.**
Combinable with Busch Memory 2gang Dimmer 6565 U.

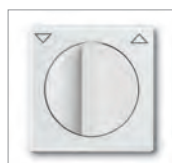
84 davos/studio white **6545-84** 6599-0-2908 1/10

- 1) Replacement neon lamp 3857.



**Switch rocker
With marking**
As cover for flush mounted blind control switch/push switch.
For inserts 2000/4 and 2020/4 US.

84 davos/studio white **1785 JA-84** 1751-0-2756 10/100



**Cover plate
With rotary control, with marking**
As cover for flush mounted blind control switch/push switch.
for inserts 2712 U, 2713 U and 2722 U, 2723 U.

84 davos/studio white **1740-84** 1710-0-3172 10/100



**Cover plate ¹⁾
with labelling field,
with marking.**
For half-cylindrical type switches and Blind Control Switch/
Push Switch.
For inserts 2733 USL-101 and 2712 USL-101,
2713 USL-101, 2722 USL-101, 2723 USL-101.

84 davos/studio white **1755 SL/PZ-84-101** 1710-0-3175 10

- 1) Refer to marking plate 1799 18 and labelling software.



Cover plate
For Busch-Short-time timer insert 6465 U.

84 davos/studio white **1773-84** 1753-0-9908 10



Cover plate
For Busch-Short-time timer insert 6465 U.
Only Start/Stop button can be operated.

84 davos/studio white **1773/10-84** 1753-0-9914 10

Product	Article-No.	Order-No.	Pack/Qty
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Control element
For Busch-Blind control II insert 6411 U-101,
6411 U/S-101.
For basic blinds insert 6418 U.
For Busch Universal 2gang 1way insert 6402 U.

84 davos/studio white **6430-84-102** 6430-0-0329 1/10



**Cover plate ¹⁾
With rotary knob**
For comfort blinds insert 6419 U.

84 davos/studio white **6436-84** 6430-0-0358 10

- 1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.



Cover plate ¹⁾
For Busch-Wind and sun blind switch insert 6480 U-10x.

84 davos/studio white **1775 S/W-84-101** 1710-0-3174 10

- ¹⁾ Phase-out type



Cover plate
For Comfort timer control element 6455.
For Standard timer control element 6456.
For room temperature controller 1098 U-101 and
1098 UF-101.

84 davos/studio white **6435-84** 6430-0-0306 10



Cover plate ¹⁾ ²⁾
As cover for flush mounted info light.
For insert 2062 U.
Size of information field 43 x 43 mm.

84 davos/studio white **1716-84** 1731-0-1923 1

- 1) Included with the cover are 46 different text labels and symbols.
- 2) See labelling sheet 1799 21.



**Blank plate
With metal mounting plate**


84 davos/studio white **1742-84** 1710-0-3161 10/100




**Cover plate ¹⁾
With metal mounting plate**
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).

84 davos/studio white **1749-84** 1710-0-3163 10/100


- 1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
84 davos/studio white	1803-84	1710-0-3165	10/100


1) Labelling sheets 1799 18 and labelling software.

	Cover plate 1) 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
84 davos/studio white	1803-02-84	1710-0-3164	10/100

1) Labelling sheets 1799 18 and labelling software.


	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
84 davos/studio white	1766-84	1710-0-3162	10/100

	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
84 davos/studio white	1751-84	1723-0-0240	10/100

	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
84 davos/studio white	1745-84	1710-0-3173	10

	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
84 davos/studio white	1743-84	1724-0-2774	10/100


1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.

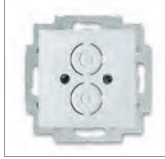
Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 60.2 x 9.2 mm.		
84 davos/studio white	1800-84	1710-0-3176	10/100

1) Labelling sheets 1799 18 and labelling software.

	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
84 davos/studio white	1746/10-84	1710-0-3522	10/100

	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
84 davos/studio white	1747 SI-84	1710-0-3863	10

	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
84 davos/studio white	1746-84	1710-0-3167	10

	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
84 davos/studio white	1748-84	1710-0-3656	10

	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
84 davos/studio white	1750-84	1710-0-3166	10

	Cover plate 1) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
84 davos/studio white	1758-84	1724-0-2761	10/100

1) Labelling sheets 1799,1799 02,1799 19 and labelling software.

Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet 1)
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Supply voltage: 250 V~
Rated current: 16 A

84 davos/studio white	20 EUC-84	2011-0-3725	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2)
Shuttered
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

84 davos/studio white	20 EUCKS-84	2013-0-5245	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .



SCHUKO® socket outlet 1)
With hinged lid.
With screwless terminal.
2 P + E
Hinged lid notches when opened.
Rated voltage: 250 V~
Rated current: 16 A

84 davos/studio white	20 EUK-84	2018-0-1467	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2)
with labelling field.
2 P + E
Size of labelling field: 60.2 x 9.2 mm.
Rated voltage: 250 V~
Rated current: 16 A

84 davos/studio white	20 EUN-84	2011-0-3727	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.



Busch-Protector® SCHUKO® socket outlet 1)
With overvoltage protection.
2 P + E
With integrated and external signalling contact.
ISN = 5 kA
Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
Arrestor test class: classification Type 2
Rated voltage: 250 V~
Secondary: 250 V~
Rated current: 16 A

84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
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FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3)
With integrated earth leakage breaker.
Shuttered.
DP cut off (P,N)
Without PE monitoring.
With connecting conductor and protection of downstream socket outlets.
Rated actuating current: 30 mA. Release time: ≤ 30 ms.
Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs.
Without claw fixation.
Rated frequency: 45-60 Hz.
Rated voltage: 230 V~
Rated current: 16 A
Protection class (Device): IP 21
Temperature range (Device): -25 °C to 40 °C

84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Proffitest 0100S testing device, for example.
3) Increased shock protection .



SCHUKO® socket outlet 1)
With LED control light
Shuttered.
2 P + E
With transparent lens.
LED colour green.
Rated voltage: 250 V~
Rated current: 16 A

84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet Busch-steplight® 1) 2)
Night orientation light
with separate connection cables for switch contact.
with LED,
Shuttered.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

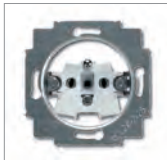
84 studio white	20 EUCBLI-84	2013-0-5294	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.



Socket Outlet Cover
Shuttered
For socket outlet insert 23 M-504.

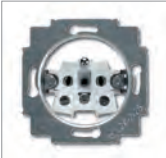












84 davos/studio white	2399 UCKS-84	2099-0-0214	10
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Socket outlet 1)
with earth pin
With screwless terminal.
Suitable for the countries: Belgium, Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

NEW	20 M-500	2017-0-0854	10/100
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1) Insert can be used for all covers 2399 UCKS-xx.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A				Euro American socket outlet with earth, 16 A Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100	84 davos/studio white 2196 EUC-84-500			delivery on request
	13 A Switched socket outlet SP switched 1gang Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2				Cover plate As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.		
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100	84 davos/studio white 1780-84		1710-0-3169	10
	2-gang Euro American socket outlet, 10A Rated voltage: 250 V~ Rated current: 10 A				Cover plate For room thermostat for thermostat 1094 U, 1097 U		
84 davos/studio white	2192-02 UC-84-500		delivery on request	84 davos/studio white 1794-84		1710-0-3544	10
	Chinese socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A				Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
84 davos/studio white	2193 EUC/10-84-500		delivery on request	84 davos/studio white 1795-84		1710-0-3569	10
	Chinese socket outlet, 16 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A				Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
84 davos/studio white	2193 EUC/16-84-500		delivery on request	84 davos/studio white 1794 TA-84		1710-0-3698	10
	Chinese and Euro American socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A				Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
84 davos/studio white	2195 EUC/10-84-500		delivery on request	84 davos/studio white 1795 TA-84		1710-0-3725	10
	International socket outlet 13A Rated voltage: 250 V~ Rated current: 13 A						
84 davos/studio white	2197 EUC-84-500		delivery on request				

Product Article-No. Order-No. Pack/Qty



WaveLINE LED display 1) 2)
 For status display of window handle positions: open = red, closed = green, tilted = yellow.
 Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
 4 individual LED display channels.
 Up to 8 WaveLine transmitters can be taught-in on each LED display channel.
 Up to 8 WaveLine transmitters can be taught-in on onsite operation.
 After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
 Status display for depleted WaveLINE transmitter battery.
 Status display for faulty transmission link and defective WaveLINE transmitter.
 User-friendly start-up without PC / software.
 Printed labelling sheet with 8 different inlay sheets.
 For WaveLINE window position sensor 6720-6x.
 For WaveLINE 6721-xx universal signalling unit.
 For Busch Watchdog 220 WaveLINE 6745 AGM.
 For Busch-Universal relay switch insert 6404 U.
 For universal dimmer switch insert 6595 U.
 Range in free field: approx. 100 m
 Send/receive frequency: 868 MHz.
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

84 davos/studio white **6730-84** 6730-0-0017 1

- 1) See labelling sheet 1799 xx.
- 2) See labelling sheet 1799/0x.

Product Article-No. Order-No. Pack/Qty



Busch-Watchdog 180 flush mounted comfort sensor II 1) 2)
With multi-lens
 For automatic switching of devices dependent on motion and brightness.
 For down-to-ground detection.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 28 sectors with 112 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 15 m, lateral: 5 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

84 davos/studio white **6800-84-104M** 6800-0-2102 1/10






- 1) installation: slide switch top.
- 2) Please order the respective flush mounted insert separately.



Busch-Watchdog 180 flush mounted comfort sensor II 1)
With select-lens
 For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

84 davos/studio white **6800-84-104** 6800-0-2101 1/10

- 1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame						
281 black	1721-281	1754-0-4409	10				
284 studio white	1721-284	1754-0-4331	10				
285 yellow	1721-285	1754-0-4334	10				
286 green	1721-286	1754-0-4337	10				
287 red	1721-287	1754-0-4340	10				
288 blue	1721-288	1754-0-4343	10				
	Cover frame 2gang frame For vertical or horizontal installation.						
281 black	1722-281	1754-0-4410	10				
284 studio white	1722-284	1754-0-4332	10				
285 yellow	1722-285	1754-0-4335	10				
286 green	1722-286	1754-0-4338	10				
287 red	1722-287	1754-0-4341	10				
288 blue	1722-288	1754-0-4344	10				
	Cover frame 3gang frame For vertical or horizontal installation.						
281 black	1723-281	1754-0-4411	10				
284 studio white	1723-284	1754-0-4333	10				
285 yellow	1723-285	1754-0-4336	10				
286 green	1723-286	1754-0-4339	10				
287 red	1723-287	1754-0-4342	10				
288 blue	1723-288	1754-0-4345	10				
	Cover frame 4gang frame For vertical or horizontal installation.						
281 black	1724-281	1754-0-4412	1				
284 studio white	1724-284	1754-0-4346	1				
285 yellow	1724-285	1754-0-4348	1				
286 green	1724-286	1754-0-4350	1				
287 red	1724-287	1754-0-4352	1				
288 blue	1724-288	1754-0-4354	1				
	Cover frame 5gang frame For vertical or horizontal installation.						
281 black	1725-281	1754-0-4413	1				
284 studio white	1725-284	1754-0-4347	1				
285 yellow	1725-285	1754-0-4349	1				
286 green	1725-286	1754-0-4351	1				
287 red	1725-287	1754-0-4353	1				
288 blue	1725-288	1754-0-4355	1				

alpha

Clarity and strength of expression.

alpha. Inspired by nature. Organic shapes, clear colours as well as rare minerals and metals have been taken up into the alpha series and turned into a harmonious whole. Very expressive. Very impressive. Well-balanced proportions. Available with two different frames in a uniform range of finely graduated colours. For classic values on the wall.





alpha

- 01 2gang combination switch/socket outlet, shuttered.
Colour: titanium
- 02 alabaster/studio white high gloss (24G/24G)
- 03 ivory/white high gloss (22G/22G)
- 04 studio white matt (24/24)
- 05 titanium (266/266)
- 06 palladium (260/260)
- 07 platinum (20/20)
- 08 bronze (21/21)

» Materials

Material Cover: Thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.



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Cover frames alpha <i>nea</i> ®	p. 143
Cover frames alpha <i>exclusive</i> ®	p. 145



Now only the form differs.

The uniform colour range for alpha makes selection easier and the fields of application larger. Both frames ("nea" and "exclusive") are now available not only in a finely shaded range of colours but also in high-quality anodized metal frames.

Exception: studio white matt only with alpha *nea*® frame.

alpha

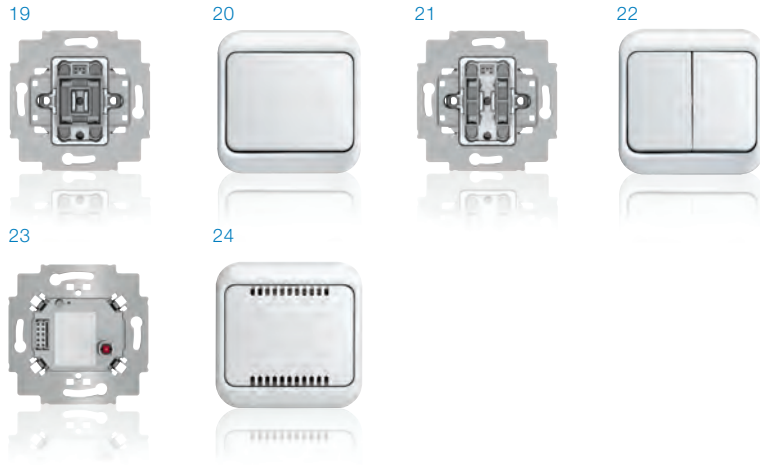


- 01 Rocker switch 1gang
- 02 Rocker switch 2gang
- 03 Busch-Universal rotary dimmer
- 04 Rocker switch with neon lens
- 05 Busch-Memory 2gang dimmer
- 06 Busch-Comfort switch
- 07 IR sensor with 1gang control element
- 08 SCHUKO® socket outlet shuttered
- 09 Card switch
- 10 Busch-Blind control switch with rotary knob
- 11 Busch-Blind control switch with semi-cylindrical lock
- 12 Busch-Blind comfort switch
- 13 Comfort timer
- 14 Room thermostat with display
- 15 WaveLINE LED display
- 16 Busch-AudioWorld® DigitalRadio
- 17 Stereo loudspeaker connecting box
- 18 Antenna socket for radio/TV/satellite

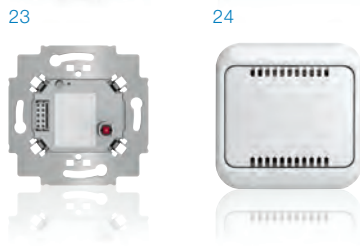
The alpha switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or

make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

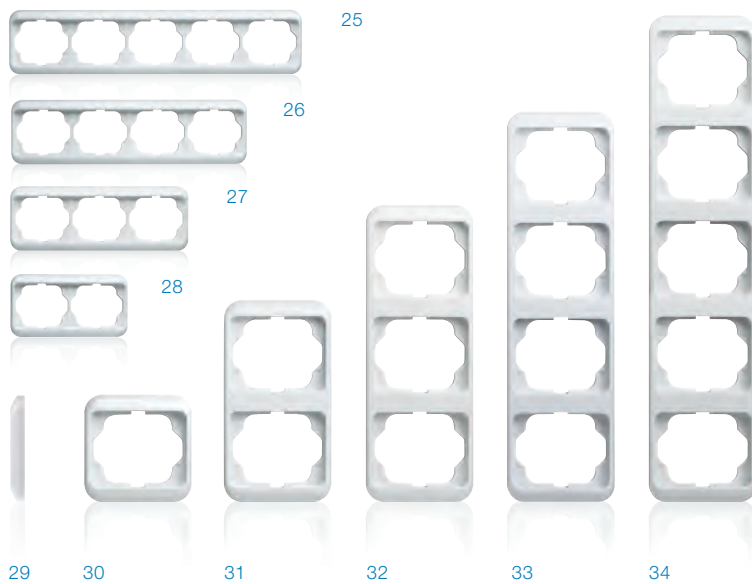
Different by design



- 19 KNX push-button coupling 1/2gang 6108/01*
- 20 Rocker 1786-2x for 6108/01*
- 21 KNX push-button coupling 2/4gang 6108/02*
- 22 Rocker 1785-2x for 6108/02*
- 23 KNX room thermostat 6108/03*
- 24 Cover 6541-2x for 6108/03*



* Please find further information in the chapter ABB i-bus® KNX.




1 to 5 gang cover frame for horizontal and vertical installation.

- 25 365 mm x 81 mm
- 26 294 mm x 81 mm
- 27 223 mm x 81 mm
- 28 152 mm x 81 mm
- 29 Side view: 11 mm x 81 mm
- 30 81 mm x 81 mm
- 31 81 mm x 152 mm
- 32 81 mm x 223 mm
- 33 81 mm x 294 mm
- 34 81 mm x 365 mm




Two frame shapes are available for alpha: nea frame (round shape) and exclusive frame (square shape)


Cover frame for vertical and horizontal installation, 1gang to 3gang, also available with labelling field. Colour: studio white.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
20 platinum ¹⁾	1786-20	1751-0-1617	10/100
21 bronze ¹⁾	1786-21	1751-0-1708	10/100
22G ivory	1786-22G	1751-0-2482	10/100
24 studio white matt	1786-24	1751-0-1849	10/100
24G studio white	1786-24G	1751-0-2094	10/100
260 palladium ¹⁾	1786-260	1751-0-2821	10/100
266 titanium ¹⁾	1786-266	1751-0-2832	10/100


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
20 platinum ¹⁾	1789 KI-20	1751-0-1641	10
21 bronze ¹⁾	1789 KI-21	1751-0-1732	10
22G ivory	1789 KI-22G	1751-0-2524	10
24 studio white matt	1789 KI-24	1751-0-1872	10
24G studio white	1789 KI-24G	1751-0-2235	10
260 palladium ¹⁾	1789 KI-260	1751-0-2829	10
266 titanium ¹⁾	1789 KI-266	1751-0-2840	10


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With red neon lens. As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way.		
20 platinum ¹⁾	1789-20	1751-0-1625	10
21 bronze ¹⁾	1789-21	1751-0-1716	10
22G ivory	1789-22G	1751-0-2490	10
24 studio white matt	1789-24	1751-0-1856	10
24G studio white	1789-24G	1751-0-2102	10
260 palladium ¹⁾	1789-260	1751-0-2825	10/100
266 titanium ¹⁾	1789-266	1751-0-2836	10/100


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
20 platinum ¹⁾	1789 TR-20	1751-0-1658	10
21 bronze ¹⁾	1789 TR-21	1751-0-1740	10
22G ivory	1789 TR-22G	1751-0-2532	10
24 studio white matt	1789 TR-24	1751-0-1880	10
24G studio white	1789 TR-24G	1751-0-2268	10
260 palladium ¹⁾	1789 TR-260	1751-0-2830	10
266 titanium ¹⁾	1789 TR-266	1751-0-2841	10


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With transparent lens. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
20 platinum ¹⁾	1787-20	1751-0-2045	10
21 bronze ¹⁾	1787-21	1751-0-2052	10
22G ivory	1787-22G	1751-0-2508	10
24 studio white matt	1787-24	1751-0-2060	10
24G studio white	1787-24G	1751-0-2177	10
260 palladium ¹⁾	1787-260	1751-0-2824	10/100
266 titanium ¹⁾	1787-266	1751-0-2835	10/100


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker ^{1) 2) 3)} with labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm. Illuminable.		
20 platinum ⁴⁾	1781-20	1751-0-1666	10
21 bronze ⁴⁾	1781-21	1751-0-1757	10
22G ivory	1781-22G	1751-0-2540	10
24 studio white matt	1781-24	1751-0-1898	10
24G studio white	1781-24G	1751-0-2292	10
260 palladium ⁴⁾	1781-260	1751-0-2822	10
266 titanium ⁴⁾	1781-266	1751-0-2833	10

1) The labels are clamped under the labelling field.
2) See labelling sheet 1799 xx.
3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
4) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
20 platinum ¹⁾	1789 LI-20	1751-0-1633	10
21 bronze ¹⁾	1789 LI-21	1751-0-1724	10
22G ivory	1789 LI-22G	1751-0-2516	10
24 studio white matt	1789 LI-24	1751-0-1864	10
24G studio white	1789 LI-24G	1751-0-2201	10
260 palladium ¹⁾	1789 LI-260	1751-0-2828	10/100
266 titanium ¹⁾	1789 LI-266	1751-0-2839	10/100

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker ^{1) 2)} with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm.		
22G ivory	1764 NLI-22G	1731-0-1858	10
24 studio white matt	1764 NLI-24	1731-0-1494	10
24G studio white	1764 NLI-24G	1731-0-1569	10

1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
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**Switch rocker with marking****With red neon lens.**

As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.

20 platinum ¹⁾	1788-20	1751-0-1674	10
21 bronze ¹⁾	1788-21	1751-0-1765	10
22G ivory	1788-22G	1751-0-2557	10
24 studio white matt	1788-24	1751-0-1906	10
24G studio white	1788-24G	1751-0-2326	10
260 palladium ¹⁾	1788-260	1751-0-2823	10
266 titanium ¹⁾	1788-266	1751-0-2834	10

1) Real metal surface.

**Switch rocker**

For flush mounted switch 2g 1w, 2g push switch

20 platinum ¹⁾	1785-20	1751-0-1682	10
21 bronze ¹⁾	1785-21	1751-0-1773	10/100
22G ivory	1785-22G	1751-0-2565	10
24 studio white matt	1785-24	1751-0-1914	10
24G studio white	1785-24G	1751-0-2110	10
260 palladium ¹⁾	1785-260	1751-0-2827	10/100
266 titanium ¹⁾	1785-266	1751-0-2838	10/100

1) Real metal surface.

**Switch rocker****With marking**

For flush mounted switch 1g1w, 1g2w, intermediate, push switch.

With marking "Heizung-Notschalter".

20 platinum ¹⁾	1789 H-20	1751-0-1690	10
21 bronze ¹⁾	1789 H-21	1751-0-1781	10
22G ivory	1789 H-22G	1751-0-2573	10
24 studio white matt	1789 H-24	1751-0-1930	10
24G studio white	1789 H-24G	1751-0-2375	10
260 palladium ¹⁾	1789 H-260	1751-0-2826	10
266 titanium ¹⁾	1789 H-266	1751-0-2837	10

1) Real metal surface.

**Cover plate****For cooling element**

For Busch-Universal master dimmer power module 6594 U.
For room thermostat object range 6108/03 and base for blind cover 6930/01.

20 platinum ^{1) 2)}	6541-20	6599-0-1466	10
21 bronze ^{1) 2)}	6541-21	6599-0-1524	10
22G ivory	6541-22G	6599-0-2795	10
24 studio white matt	6541-24	6599-0-1557	10
24G studio white	6541-24G	6599-0-2332	10
260 palladium ^{1) 2)}	6541-260	6599-0-2853	10
266 titanium ^{1) 2)}	6541-266	6599-0-2856	10

1) Not suitable for room thermostat 6134/10.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate ¹⁾****With rotary knob, with indication lamp**

For Busch-Dimmer®.

For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.

20 platinum ²⁾	6540-20	6599-0-1458	10
21 bronze ²⁾	6540-21	6599-0-1490	10
22G ivory	6540-22G	6599-0-2803	10
24 studio white matt	6540-24	6599-0-1540	10
24G studio white	6540-24G	6599-0-2324	10
260 palladium ²⁾	6540-260	6599-0-2852	10/100
266 titanium ²⁾	6540-266	6599-0-2855	10

1) Replacement neon lamp, Art. No. 3855.
2) Real metal surface.

**Busch-Comfort switch control element ¹⁾****With neon lamp.**

For 2-wire insert 6815 U.

For relay insert 6816 U.

Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off.

Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off.

Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off.

Push switch function possible at all times.

Switch-off delay: 1 to 10 min., adjustable.

Surveillance density: 9 sectors with 28 switching segments.

Detection range: frontal: 5 m, lateral: 3 m

Detection angle: 170 °

Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation

Mounting height: 0.8 m - 1.2 m

Protection class (Sensor): IP 20

Temperature range (Device): 0 °C to 35 °C

20 platinum ²⁾	6815-20	6800-0-2273	1/10
21 bronze ²⁾	6815-21	6800-0-2274	1/10
22G ivory	6815-22G	6800-0-2275	1/10
24 studio white matt	6815-24	6800-0-2276	1/10
24G studio white	6815-24G	6800-0-2277	1/10
260 palladium ²⁾	6815-260	6800-0-2282	1/10
266 titanium ²⁾	6815-266	6800-0-2283	1/10

1) Please order the respective flush mounted insert separately.
2) Surface painted.

**IR control element ¹⁾****With marking, illuminated**

For Busch-Universal master dimmer insert 6593 U.

For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.


For Busch Universal 2gang 1way insert 6402 U.

for Busch-Universal touch-type controller 6550 U-101


Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white matt	6066-24-102-500	6020-0-1371	1
24G studio white	6066-24G-102-500	6020-0-1372	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10


1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
20 platinum ¹⁾	6067-20-102	6020-0-1324	10
21 bronze ¹⁾	6067-21-102	6020-0-1325	10
22G ivory	6067-22G-102	6020-0-1326	10
24 studio white matt	6067-24-102-500	6020-0-1373	1
24G studio white	6067-24G-102-500	6020-0-1374	1
260 palladium ¹⁾	6067-260-102	6020-0-1369	1/10
266 titanium ¹⁾	6067-266-102	6020-0-1370	1/10


1) Surface painted.

	Control element ^{1) 3) 4)} With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
20 platinum ⁴⁾	6543-20-102	6599-0-2820	1/10
21 bronze ⁴⁾	6543-21-102	6599-0-2821	1/10
22G ivory	6543-22G-102	6599-0-2822	1/10
24 studio white matt	6543-24-102	6599-0-2823	1/10
24G studio white	6543-24G-102	6599-0-2824	1/10
260 palladium ⁴⁾	6543-260-102	6599-0-2869	1/10
266 titanium ⁴⁾	6543-266-102	6599-0-2870	1/10


- 1) Compatible with previous type 6543-xxx.
- 2) Touch-type Controller 6550 U-xxx non-illuminable.
- 3) Replacement neon lamp 3857.
- 4) Real metal surface.

	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
20 platinum ²⁾	6545-20	6599-0-2890	1/10
21 bronze ²⁾	6545-21	6599-0-2891	1/10
22G ivory	6545-22G	6599-0-2892	1/10
24 studio white matt	6545-24	6599-0-2893	1/10
24G studio white	6545-24G	6599-0-2894	1/10
260 palladium ²⁾	6545-260	6599-0-2899	1/10
266 titanium ²⁾	6545-266	6599-0-2900	1/10


- 1) Replacement neon lamp 3857.
- 2) Real metal surface.

	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
20 platinum ¹⁾	1785 JA-20	1751-0-1823	10
21 bronze ¹⁾	1785 JA-21	1751-0-1831	10
22G ivory	1785 JA-22G	1751-0-2581	10
24 studio white matt	1785 JA-24	1751-0-1922	10
24G studio white	1785 JA-24G	1751-0-2128	10
260 palladium ¹⁾	1785 JA-260	1751-0-2831	10/100
266 titanium ¹⁾	1785 JA-266	1751-0-2842	10/100


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
20 platinum ¹⁾	1740 DR-20	1753-0-1092	10
21 bronze ¹⁾	1740 DR-21	1753-0-1175	10
22G ivory	1740 DR-22G	1710-0-2330	10
24 studio white matt	1740 DR-24	1753-0-1555	10
24G studio white	1740 DR-24G	1753-0-7263	10
260 palladium ¹⁾	1740 DR-260	1710-0-3302	10
266 titanium ¹⁾	1740 DR-266	1710-0-3328	10


1) Surface painted.

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. for insert 2710 U.		
20 platinum ¹⁾	2542 DR/01-20	1710-0-3113	10
21 bronze ¹⁾	2542 DR/01-21	1710-0-3114	10
22G ivory	2542 DR/01-22G	1710-0-3115	10
24 studio white matt	2542 DR/01-24	1710-0-3116	10
24G studio white	2542 DR/01-24G	1710-0-3117	10
260 palladium ¹⁾	2542 DR/01-260	1710-0-3464	10
266 titanium ¹⁾	2542 DR/01-266	1710-0-3466	10


1) Surface painted.

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
20 platinum ¹⁾	2542 DR/02-20	1710-0-3424	10
21 bronze ¹⁾	2542 DR/02-21	1710-0-3425	10
22G ivory	2542 DR/02-22G	1710-0-3426	10
24 studio white matt	2542 DR/02-24	1710-0-3427	10
24G studio white	2542 DR/02-24G	1710-0-3428	10
260 palladium ¹⁾	2542 DR/02-260	1710-0-3465	10
266 titanium ¹⁾	2542 DR/02-266	1710-0-3467	10


1) Surface painted.

	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/ push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
20 platinum ¹⁾	1755 PZ-20-101	1710-0-1498	10
21 bronze ¹⁾	1755 PZ-21-101	1710-0-1506	10
22G ivory	1755 PZ-22G-101	1710-0-2348	10
24 studio white matt	1755 PZ-24-101	1710-0-1514	10
24G studio white	1755 PZ-24G-101	1710-0-1522	10
260 palladium ¹⁾	1755 PZ-260-101	1710-0-3303	10
266 titanium ¹⁾	1755 PZ-266-101	1710-0-3329	10


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate with marking. For half-cylindrical type switch. For insert 2733 USL-101.		
20 platinum ¹⁾	1755 SLPZ-20-101	1710-0-1563	10
21 bronze ¹⁾	1755 SLPZ-21-101	1710-0-1571	10
22G ivory	1755 SLPZ-22G-101	1710-0-2355	10
24 studio white matt	1755 SLPZ-24-101	1710-0-1589	10
24G studio white	1755 SLPZ-24G-101	1710-0-1597	10
260 palladium ¹⁾	1755 SLPZ-260-101	1710-0-3304	10
266 titanium ¹⁾	1755 SLPZ-266-101	1710-0-3330	10


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
20 platinum ¹⁾	1792-20-101	1710-0-3293	10
21 bronze ¹⁾	1792-21-101	1710-0-3294	10
22G ivory	1792-22G-101	1710-0-3295	10
24 studio white matt	1792-24-101	1710-0-3296	10
24G studio white	1792-24G-101	1710-0-3297	10
260 palladium ¹⁾	1792-260-101	1710-0-3305	10
266 titanium ¹⁾	1792-266-101	1710-0-3331	10

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
20 platinum ¹⁾	6430-20-102	6430-0-0319	1/10
21 bronze ¹⁾	6430-21-102	6430-0-0320	1/10
22G ivory	6430-22G-102	6430-0-0321	1/10
24 studio white matt	6430-24-102	6430-0-0322	1/10
24G studio white	6430-24G-102	6430-0-0323	1/10
260 palladium ¹⁾	6430-260-102	6430-0-0317	1/10
266 titanium ¹⁾	6430-266-102	6430-0-0318	1/10

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob For comfort blinds insert 6419 U.		
20 platinum ²⁾	6436-20	6430-0-0365	10
21 bronze ²⁾	6436-21	6430-0-0366	10
22G ivory	6436-22G	6430-0-0368	10
24 studio white matt	6436-24	6430-0-0367	10
24G studio white	6436-24G	6430-0-0369	10
260 palladium ²⁾	6436-260	6430-0-0370	10
266 titanium ²⁾	6436-266	6430-0-0371	10


1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.

2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ For Busch-Wind and sun blind switch insert 6480 U-10x.		
20 platinum ¹⁾	1775 S/W-20-101	1710-0-3127	10
21 bronze ¹⁾	1775 S/W-21-101	1710-0-3128	10
22G ivory	1775 S/W-22G-101	1710-0-3129	10
24 studio white matt	1775 S/W-24-101	1710-0-3130	10
24G studio white	1775 S/W-24G-101	1710-0-3131	10
260 palladium ¹⁾	1775 S/W-260-101	1710-0-3308	10
266 titanium ¹⁾	1775 S/W-266-101	1710-0-3334	10

1) Surface painted.


¹⁾ Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
20 platinum ¹⁾	6435-20	6430-0-0291	10
21 bronze ¹⁾	6435-21	6430-0-0292	10
22G ivory	6435-22G	6430-0-0293	10
24 studio white matt	6435-24	6430-0-0294	10/100
24G studio white	6435-24G	6430-0-0295	10
260 palladium ¹⁾	6435-260	6430-0-0289	10
266 titanium ¹⁾	6435-266	6430-0-0290	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
20 platinum ¹⁾	1773-20	1724-0-2158	10
21 bronze ¹⁾	1773-21	1724-0-2166	10
22G ivory	1773-22G	1724-0-2521	10
24 studio white matt	1773-24	1724-0-2174	10
24G studio white	1773-24G	1724-0-2182	10
260 palladium ¹⁾	1773-260	1724-0-2790	10
266 titanium ¹⁾	1773-266	1724-0-2795	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
20 platinum ¹⁾	1773/10-20	1724-0-2596	10
22G ivory	1773/10-22G	1724-0-2695	10
24 studio white matt	1773/10-24	1724-0-2612	10
260 palladium ¹⁾	1773/10-260	1724-0-2809	10
266 titanium ¹⁾	1773/10-266	1724-0-2810	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
20 platinum 3)	1716-20	1731-0-1929	1
21 bronze 3)	1716-21	1731-0-1930	1
22 ivory	1716-22	1731-0-1931	1
24 studio white matt	1716-24	1731-0-1932	1
24G studio white	1716-24G	1731-0-1933	1
260 palladium 3)	1716-260	1731-0-1938	1
266 titanium 3)	1716-266	1731-0-1939	1

- 1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 21.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For insert 2061/2661 U. As cover for flush-mounted light signal.		
	For indication lamp 1)		
20 platinum 2)	1756-20	1753-0-1506	10
21 bronze 2)	1756-21	1753-0-1522	10
22G ivory	1756-22G	1710-0-2413	10
24 studio white matt	1756-24	1753-0-1548	10
24G studio white	1756-24G	1753-0-7503	10
260 palladium 2)	1756-260	1710-0-3306	10
266 titanium 2)	1756-266	1710-0-3332	10

Cap for light signal.



11 clear-transparent	1557-11	1565-0-0134	10
12 red	1557-12	1565-0-0142	10
13 green	1557-13	1565-0-0159	10

- 1) Transparent cap 1557-1x required.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
20 platinum 1)	1742-20	1753-0-1118	10
21 bronze 1)	1742-21	1753-0-1431	10
22G ivory	1742-22G	1710-0-2389	10
24 studio white matt	1742-24	1753-0-1571	10
24G studio white	1742-24G	1753-0-7412	10
260 palladium 1)	1742-260	1710-0-3309	10/100
266 titanium 1)	1742-266	1710-0-3335	10/100

- 1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
20 platinum 2)	1749-20	1710-0-0904	10
21 bronze 2)	1749-21	1710-0-0946	10
22G ivory	1749-22G	1710-0-2561	10
24 studio white matt	1749-24	1710-0-0979	10
24G studio white	1749-24G	1710-0-1209	10
260 palladium 2)	1749-260	1710-0-3316	10
266 titanium 2)	1749-266	1710-0-3342	10

- 1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
20 platinum 1)	1803-20	1753-0-8410	10
21 bronze 1)	1803-21	1753-0-8428	10
22G ivory	1803-22G	1710-0-2603	10
24 studio white matt	1803-24	1753-0-8436	10
24G studio white	1803-24G	1710-0-2025	10
260 palladium 1)	1803-260	1710-0-3322	10
266 titanium 1)	1803-266	1710-0-3348	10

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
20 platinum 1)	1803-02-20	1753-0-8485	10
21 bronze 1)	1803-02-21	1753-0-8493	10
22G ivory	1803-02-22G	1710-0-2611	10
24 studio white matt	1803-02-24	1753-0-8501	10
24G studio white	1803-02-24G	1710-0-2033	10
260 palladium 1)	1803-02-260	1710-0-3321	10/100
266 titanium 1)	1803-02-266	1710-0-3347	10/100


- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
20 platinum 1)	1766-20	1753-0-2629	10
21 bronze 1)	1766-21	1753-0-2637	10
22G ivory	1766-22G	1710-0-2496	10
24 studio white matt	1766-24	1753-0-2645	10
24G studio white	1766-24G	1753-0-7743	10
260 palladium 1)	1766-260	1710-0-3310	10/100
266 titanium 1)	1766-266	1710-0-3336	10/100


- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
20 platinum 2)	1746-20 FN	1753-0-1753	10
21 bronze 2)	1746-21 FN	1753-0-1761	10
22G ivory	1746-22G FN	1710-0-2488	10
24 studio white matt	1746-24 FN	1753-0-1779	10
24G studio white	1746-24G FN	1753-0-7719	10
260 palladium 2)	1746-260 FN	1710-0-3311	10
266 titanium 2)	1746-266 FN	1710-0-3337	10


- 1) See inserts telephone unit.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm ² rigid.		
21 bronze ¹⁾	1751-21	1723-0-0121	10
22G ivory	1751-22G	1723-0-0238	10
24G studio white	1751-24G	1723-0-0204	10
260 palladium ¹⁾	1751-260	1723-0-0245	10/100
266 titanium ¹⁾	1751-266	1723-0-0246	10


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
20 platinum ²⁾	1743-20	1753-0-1126	10
21 bronze ²⁾	1743-21	1753-0-1449	10
22G ivory	1743-22G	1710-0-2454	10
24 studio white matt	1743-24	1753-0-1589	10
24G studio white	1743-24G	1753-0-7628	10
260 palladium ²⁾	1743-260	1724-0-2791	10
266 titanium ²⁾	1743-266	1724-0-2796	10


1) See inserts for satellite coaxial socket outlets.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
20 platinum ²⁾	1743-03-20-101	1724-0-2747	10
21 bronze ²⁾	1743-03-21-101	1724-0-2748	10
22G ivory	1743-03-22G	1724-0-2463	10
24 studio white matt	1743-03-24	1724-0-1853	10
24G studio white	1743-03-24G	1724-0-1911	10
260 palladium ²⁾	1743-03-260	1724-0-2792	10/100
266 titanium ²⁾	1743-03-266	1724-0-2797	10/100


1) See inserts for satellite coaxial socket outlets.
2) Real metal surface.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. With down-leading outlet. For IBM ACS-/Reichle & De-Massari dual connection moduls together with modul supports 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
20 platinum ²⁾	1801-20	1753-0-9251	10
21 bronze ³⁾	1801-21	1753-0-9269	10
22G ivory	1801-22G	1710-0-2629	10
24 studio white matt	1801-24	1753-0-8139	10
24G studio white	1801-24G	1710-0-2694	10
260 palladium ²⁾	1801-260	1710-0-3319	10
266 titanium ²⁾	1801-266	1710-0-3345	10


1) Lettering sheets 1799, 1799 05 and lettering software.
2) Real metal surface.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ ²⁾ with labelling field. With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LWL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
20 platinum ³⁾	1802-20	1753-0-9335	10
21 bronze ⁴⁾	1802-21	1753-0-9343	10
22G ivory	1802-22G	1710-0-2637	10
24 studio white matt	1802-24	1753-0-8147	10
24G studio white	1802-24G	1710-0-2702	10
260 palladium ⁴⁾	1802-260	1710-0-3320	10
266 titanium ⁴⁾	1802-266	1710-0-3346	10


1) Lettering sheets 1799, 1799 05 and lettering software.
2) Thomas & Betts Clips
025-1099-1BK (black), IBM 58 G 6873
025-1099-1W (white), IBM 58 G 6965
IBM MiniC Clips
51 H 7903 (black),
51 H 7904 (white),
51 H 7961 (cream)
3) Real metal surface.
4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 41.5 x 10 mm.		
20 platinum ²⁾	1800-20	1753-0-9178	10
21 bronze ²⁾	1800-21	1753-0-9186	10
22G ivory	1800-22G	1710-0-2645	10
24 studio white matt	1800-24	1753-0-8121	10
24G studio white	1800-24G	1710-0-2710	10
260 palladium ²⁾	1800-260	1710-0-3318	10
266 titanium ²⁾	1800-266	1710-0-3344	10


1) Lettering sheets 1799, 1799 05 and lettering software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
20 platinum ¹⁾	2561-20	1753-0-3916	10
21 bronze ¹⁾	2561-21	1753-0-3924	10
22G ivory	2561-22G	1710-0-2504	10
24 studio white matt	2561-24	1753-0-3932	10
24G studio white	2561-24G	1753-0-7776	10
260 palladium ¹⁾	2561-260	1710-0-3314	10
266 titanium ¹⁾	2561-266	1710-0-3340	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. No. 0210 and 0211. Without claw.		
20 platinum ¹⁾	2561-02-20	1753-0-4047	10
21 bronze ¹⁾	2561-02-21	1753-0-4054	10
22G ivory	2561-02-22G	1710-0-2512	10
24 studio white matt	2561-02-24	1753-0-4062	10
24G studio white	2561-02-24G	1753-0-7800	10
260 palladium ¹⁾	2561-02-260	1710-0-3315	10
266 titanium ¹⁾	2561-02-266	1710-0-3341	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum ¹⁾	1746/10-20	1753-0-8550	10
21 bronze ¹⁾	1746/10-21	1753-0-8568	10
22G ivory	1746/10-22G	1710-0-2652	10
24 studio white matt	1746/10-24	1753-0-8576	10
24G studio white	1746/10-24G	1710-0-2744	10
260 palladium ¹⁾	1746/10-260	1710-0-3312	10
266 titanium ¹⁾	1746/10-266	1710-0-3338	10


1) Surface painted.

	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum ¹⁾	1746-20-101	1753-0-5978	10
21 bronze ¹⁾	1746-21-101	1753-0-5986	10
22G ivory	1746-22G-101	1710-0-2470	10
24 studio white matt	1746-24-101	1753-0-5994	10
24G studio white	1746-24G-101	1753-0-7685	10
260 palladium ¹⁾	1746-260-101	1710-0-3313	10
266 titanium ¹⁾	1746-266-101	1710-0-3339	10


1) Real metal surface.

	Cover plate ¹⁾ with labelling field. With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
20 platinum ²⁾	1769-20	1753-0-8832	10
21 bronze ³⁾	1769-21	1753-0-8840	10
22G ivory	1769-22G	1710-0-2678	10
24 studio white matt	1769-24	1753-0-8857	10
24G studio white	1769-24G	1710-0-2736	10
260 palladium ³⁾	1769-260	1710-0-3317	10
266 titanium ³⁾	1769-266	1710-0-3343	10


1) Labelling sheets 1799,1799 02 and labelling software.
2) Real metal surface.
3) Surface painted.

	Cover plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
20 platinum ¹⁾	1748-20	1753-0-1167	10
21 bronze ¹⁾	1748-21	1753-0-1480	10
22G ivory	1748-22G	1710-0-2546	10
24 studio white matt	1748-24	1753-0-1621	10
24G studio white	1748-24G	1753-0-7891	10
260 palladium ¹⁾	1748-260	1710-0-3323	10
266 titanium ¹⁾	1748-266	1710-0-3349	10


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
20 platinum ²⁾	1758-20	1724-0-1010	10
21 bronze ²⁾	1758-21	1724-0-1028	10
22G ivory	1758-22G	1724-0-2513	10
24 studio white matt	1758-24	1724-0-1036	10
24G studio white	1758-24G	1724-0-2067	10
260 palladium ²⁾	1758-260	1724-0-2793	10
266 titanium ²⁾	1758-266	1724-0-2798	10


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.

	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum ²⁾	20 EUC-20	2011-0-1417	10/100
21 bronze ²⁾	20 EUC-21	2011-0-1425	10/100
22G ivory	20 EUC-22G	2011-0-3686	10/100
24 studio white matt	20 EUC-24	2011-0-1433	10/100
24G studio white	20 EUC-24G	2011-0-3124	10/100
260 palladium ²⁾	20 EUC-260	2011-0-3762	10/100
266 titanium ²⁾	20 EUC-266	2011-0-3764	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Real metal surface.

	SCHUKO® socket outlet ¹⁾ ²⁾ Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum ³⁾	20 EUCKS-20	2013-0-4458	10
21 bronze ³⁾	20 EUCKS-21	2013-0-4466	10/100
22G ivory	20 EUCKS-22G	2013-0-5240	10
24 studio white matt	20 EUCKS-24	2013-0-4474	10/100
24G studio white	20 EUCKS-24G	2013-0-5018	10/100
260 palladium ³⁾	20 EUCKS-260	2013-0-5252	10/100
266 titanium ³⁾	20 EUCKS-266	2013-0-5253	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .
3) Real metal surface.

	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
20 platinum ²⁾	20 EUK-20	2018-0-0695	10
21 bronze ²⁾	20 EUK-21	2018-0-0703	10
22G ivory	20 EUK-22G	2018-0-1446	10
24 studio white matt	20 EUK-24	2018-0-0711	10
24G studio white	20 EUK-24G	2018-0-1040	10
260 palladium ²⁾	20 EUK-260	2018-0-1464	10/100
266 titanium ²⁾	20 EUK-266	2018-0-1466	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Double SCHUKO® socket outlets ¹⁾ With screwless terminal. 2 P + E Suitable for 1-gang flush-mounted boxes. Rated voltage: 250 V~ Rated current: 16 A		
20 platinum ²⁾	20-02 EUJ-20	2014-0-1049	10
21 bronze ²⁾	20-02 EUJ-21	2014-0-1056	10
22G ivory	20-02 EUJ-22G	2014-0-1346	10
24 studio white matt	20-02 EUJ-24	2014-0-1064	10
24G studio white	20-02 EUJ-24G	2014-0-1247	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

	Busch-Protector® SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Rated current: 16 A		
20 platinum ²⁾	2310 EUGL/VA-20-11	2011-0-3819	1
21 bronze ²⁾	2310 EUGL/VA-21-11	2011-0-3820	1
22G ivory	2310 EUGL/VA-22G-11	2011-0-3821	1
24 studio white matt	2310 EUGL/VA-24-11	2011-0-3822	1
24G studio white	2310 EUGL/VA-24G-11	2011-0-3823	1
260 palladium ²⁾	2310 EUGL/VA-260-11	2011-0-3828	1
266 titanium ²⁾	2310 EUGL/VA-266-11	2011-0-3829	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

	Busch Nema socket outlet with cover plate ¹⁾ 2-pole (2 P + E), 20 A For wall box 58 mm with screw fixation. Without claw. Rated voltage: 125 V~ Rated current: 20 A		
24G studio white	3016 EUC-24G	2122-0-0028	10


1) Use in accordance with US Standard (e.g. in US military barracks).

	Socket outlet ¹⁾ With earthing pin With screwless terminal. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20 MUC-20-500	2017-0-0808	10/100
21 bronze	20 MUC-21-500	2017-0-0811	10
22G ivory	20 MUC-22G-500	2017-0-0813	10
24G studio white	20 MUC-24G-500	2017-0-0815	10
260 palladium ¹⁾	20 MUC-260-500	2017-0-0817	10
266 titanium ¹⁾	20 MUC-266-500	2017-0-0818	10

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ¹⁾ ²⁾ With earthing pin With screwless terminal. Shuttered. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20 MUCKS-20-500	2017-0-0832	10
21 bronze	20 MUCKS-21-500	2017-0-0835	10
22G ivory	20 MUCKS-22G-500	2017-0-0802	10
24G studio white	20 MUCKS-24G-500	2017-0-0803	10
260 palladium ³⁾	20 MUCKS-260-500	2017-0-0804	10
266 titanium ³⁾	20 MUCKS-266-500	2017-0-0805	10

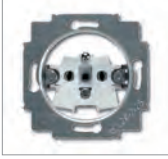
1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".
2) Order-bound manufacturing
3) Real metal surface.

	Socket outlet ¹⁾ With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A <i>alpha exclusive®</i>		
20 platinum	20 MUCC-20-500	2017-0-0825	10
22G ivory	20 MUCC-22G-500	2017-0-0828	10
24G studio white	20 MUCC-24G-500	2017-0-0829	10


	Socket Outlet Cover ¹⁾ Shuttered For socket outlet insert 20 M-500. Rated voltage: 250 V~		
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20 platinum ¹⁾	2399 UCKS-20	2099-0-0225	10
21 bronze ¹⁾	2399 UCKS-21	2099-0-0226	10
22G ivory	2399 UCKS-22G	2099-0-0219	10
24 studio white matt	2399 UCKS-24	2099-0-0227	10
24G studio white	2399 UCKS-24G	2099-0-0220	10
260 palladium ¹⁾	2399 UCKS-260	2099-0-0223	10
266 titanium ¹⁾	2399 UCKS-266	2099-0-0224	10

1) Real metal surface.


	Socket outlet ¹⁾ with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	NEW 20 M-500	2017-0-0854	10/100


1) Insert can be used for all covers 2399 UCKS-xx.


	Socket outlet ¹⁾ With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100


Product	Article-No.	Order-No.	Pack/Qty
 <p>International socket outlet 13A ¹⁾ 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A</p>	21 bronze ²⁾	2197 EUC-21-500	delivery on request
	22G ivory	2197 EUC-22G-500	delivery on request
	24G studio white	2197 EUC-24G-500	delivery on request
	260 palladium ²⁾	2197 EUC-260-500	delivery on request
	266 titanium ²⁾	2197 EUC-266-500	delivery on request
<p>1) Usage may be restricted in certain countries. 2) Surface painted.</p>			


Product	Article-No.	Order-No.	Pack/Qty
 <p>Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A</p>	21 bronze ¹⁾	2196 EUC-21-500	delivery on request
	22G ivory	2196 EUC-22G-500	delivery on request
	260 palladium ¹⁾	2196 EUC-260-500	delivery on request
	266 titanium ¹⁾	2196 EUC-266-500	delivery on request
	<p>1) Surface painted.</p>		


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover plate For room thermostat for thermostat 1094 U, 1097 U</p>	20 platinum ¹⁾	1794-20	1710-0-3532	10
	21 bronze ¹⁾	1794-21	1710-0-3533	10
	22G ivory	1794-22G	1710-0-3534	10
	24 studio white matt	1794-24	1710-0-3535	10
	24G studio white	1794-24G	1710-0-3536	10
	260 palladium ¹⁾	1794-260	1710-0-3541	10
	266 titanium ¹⁾	1794-266	1710-0-3542	10
<p>1) Surface painted.</p>				

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.</p>	20 platinum ¹⁾	1795-20	1710-0-3557	10
	21 bronze ¹⁾	1795-21	1710-0-3558	10
	22G ivory	1795-22G	1710-0-3559	10
	24 studio white matt	1795-24	1710-0-3560	10
	24G studio white	1795-24G	1710-0-3561	10
	260 palladium ¹⁾	1795-260	1710-0-3566	10
	266 titanium ¹⁾	1795-266	1710-0-3567	10
<p>1) Surface painted.</p>				


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA</p>	20 platinum ¹⁾	1794 TA-20	1710-0-3684	10
	21 bronze ¹⁾	1794 TA-21	1710-0-3685	10
	22G ivory	1794 TA-22G	1710-0-3686	10
	24 studio white matt	1794 TA-24	1710-0-3687	10
	24G studio white	1794 TA-24G	1710-0-3688	10
	260 palladium ¹⁾	1794 TA-260	1710-0-3693	10
	266 titanium ¹⁾	1794 TA-266	1710-0-3694	10
<p>1) Surface painted.</p>				

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA</p>	20 platinum ¹⁾	1795 TA-20	1710-0-3711	10
	21 bronze ¹⁾	1795 TA-21	1710-0-3712	10
	22G ivory	1795 TA-22G	1710-0-3713	10
	24 studio white matt	1795 TA-24	1710-0-3714	10
	24G studio white	1795 TA-24G	1710-0-3715	10
	260 palladium ¹⁾	1795 TA-260	1710-0-3720	10
	266 titanium ¹⁾	1795 TA-266	1710-0-3721	10
	<p>1) Surface painted.</p>			

Product	Article-No.	Order-No.	Pack/Qty	
 <p>WaveLINE LED display ^{1) 2)} For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-6x. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m. Send/receive frequency: 868 MHz. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 55 mm x 70 mm</p>	20 platinum ³⁾	6730-20	6730-0-0007	1
	21 bronze ³⁾	6730-21	6730-0-0008	1
	22G ivory	6730-22G	6730-0-0009	1
	24 studio white matt	6730-24	6730-0-0010	1
	24G studio white	6730-24G	6730-0-0011	1
	260 palladium ³⁾	6730-260	6730-0-0005	1
	266 titanium ³⁾	6730-266	6730-0-0006	1
	<p>1) See labelling sheet 1799 xx. 2) See labelling sheet 1799/Ox. 3) Surface painted.</p>			


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	20 platinum 2)	6800-20-104	6800-0-2068	1
	21 bronze 2)	6800-21-104	6800-0-2069	1
	22G ivory	6800-22G-104	6800-0-2070	1
	24 studio white matt	6800-24-104-500	6800-0-2168	1
	24G studio white	6800-24G-104-500	6800-0-2170	1
	260 palladium 2)	6800-260-104	6800-0-2118	1/10
	266 titanium 2)	6800-266-104	6800-0-2120	1/10


20 platinum 3)	6800-20-104M	6800-0-2084	1
21 bronze 3)	6800-21-104M	6800-0-2085	1
22G ivory	6800-22G-104M	6800-0-2086	1
24 studio white matt	6800-24-104M-500	6800-0-2169	1
24G studio white	6800-24G-104M-500	6800-0-2171	1
260 palladium 3)	6800-260-104M	6800-0-2119	1/10
266 titanium 3)	6800-266-104M	6800-0-2121	1/10


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Busch-Watchdog 180 flush mounted comfort sensor II 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	20 platinum 2)	6800-20-104	6800-0-2068	1
	21 bronze 2)	6800-21-104	6800-0-2069	1
	22G ivory	6800-22G-104	6800-0-2070	1
	24 studio white matt	6800-24-104-500	6800-0-2168	1
	24G studio white	6800-24G-104-500	6800-0-2170	1
	260 palladium 2)	6800-260-104	6800-0-2118	1/10
	266 titanium 2)	6800-266-104	6800-0-2120	1/10


20 platinum 3)	6800-20-104M	6800-0-2084	1
21 bronze 3)	6800-21-104M	6800-0-2085	1
22G ivory	6800-22G-104M	6800-0-2086	1
24 studio white matt	6800-24-104M-500	6800-0-2169	1
24G studio white	6800-24G-104M-500	6800-0-2171	1
260 palladium 3)	6800-260-104M	6800-0-2119	1/10
266 titanium 3)	6800-266-104M	6800-0-2121	1/10

1) Please order the respective flush mounted insert separately.
 2) Surface painted.
 3) Installation: slide switch top.
 2) Please order the respective flush mounted insert separately.
 3) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover frame 1gang frame</p>	20 platinum 1)	1721-20	1754-0-1611	10/100
	21 bronze 1)	1721-21	1754-0-1702	10/100
	22G ivory	1721-22G	1754-0-3740	10/100
	23G gold	1721-23G-101	delivery on request	
	24 studio white matt	1721-24	1754-0-1793	10/100
	24G studio white	1721-24G	1754-0-2692	10/100
	266 titanium 1)	1721-266	1754-0-4391	10/100
	260 palladium 1)	1721-260	1754-0-4400	10/100

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover frame 2gang frame Vertical.</p>	20 platinum 1)	1732-20	1754-0-1660	10
	21 bronze 1)	1732-21	1754-0-1751	10
	22G ivory	1732-22G	1754-0-3757	10
	23G gold	1732-23G-101	delivery on request	
	24 studio white matt	1732-24	1754-0-1843	10/100
	24G studio white	1732-24G	1754-0-2726	10/100
	260 palladium 1)	1732-260	1754-0-4402	10
	266 titanium 1)	1732-266	1754-0-4393	10


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover frame 3gang frame Vertical.</p>	20 platinum 1)	1733-20	1754-0-1678	10
	21 bronze 1)	1733-21	1754-0-1769	10
	22G ivory	1733-22G	1754-0-3765	10
	23G gold	1733-23G-101	delivery on request	
	24 studio white matt	1733-24	1754-0-1850	10
	24G studio white	1733-24G	1754-0-2734	10
	260 palladium 1)	1733-260	1754-0-4404	10
	266 titanium 1)	1733-266	1754-0-4395	10

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover frame 4gang frame Vertical.</p>	20 platinum 1)	1734-20	1754-0-1686	1
	21 bronze 1)	1734-21	1754-0-1777	1
	22G ivory	1734-22G	1754-0-3773	1
	23G gold	1734-23G-101	delivery on request	
	24 studio white matt	1734-24	1754-0-1868	1
	24G studio white	1734-24G	1754-0-2809	1
	260 palladium 1)	1734-260	1754-0-4406	1
	266 titanium 1)	1734-266	1754-0-4397	1


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 5gang frame Vertical.		
20 platinum ¹⁾	1735-20	1754-0-1694	1
21 bronze ¹⁾	1735-21	1754-0-1785	1
22G ivory	1735-22G	1754-0-3781	1
23G gold	1735-23G-101	delivery on request	
24 studio white matt	1735-24	1754-0-1876	1
24G studio white	1735-24G	1754-0-2833	1
260 palladium ¹⁾	1735-260	1754-0-4408	1
266 titanium ¹⁾	1735-266	1754-0-4399	1


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 5gang frame Horizontal		
20 platinum ¹⁾	1725-20	1754-0-1652	1
21 bronze ¹⁾	1725-21	1754-0-1744	1
22G ivory	1725-22G	1754-0-3823	1
23G gold	1725-23-101	delivery on request	
24 studio white matt	1725-24	1754-0-1835	1
24G studio white	1725-24G	1754-0-2932	1
260 palladium ¹⁾	1725-260	1754-0-4407	1
266 titanium ¹⁾	1725-266	1754-0-4398	1


1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 2gang frame Horizontal		
20 platinum ¹⁾	1722-20	1754-0-1629	10/100
21 bronze ¹⁾	1722-21	1754-0-1710	10
22G ivory	1722-22G	1754-0-3799	10
23G gold	1722-23G-101	delivery on request	
24 studio white matt	1722-24	1754-0-1801	10/100
24G studio white	1722-24G	1754-0-2700	10/100
260 palladium ¹⁾	1722-260	1754-0-4401	10/100
266 titanium ¹⁾	1722-266	1754-0-4392	10/100

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 3gang frame Horizontal		
20 platinum ¹⁾	1723-20	1754-0-1637	10
21 bronze ¹⁾	1723-21	1754-0-1728	10
22G ivory	1723-22G	1754-0-3807	10
23G gold	1723-23G-101	delivery on request	
24 studio white matt	1723-24	1754-0-1819	10
24G studio white	1723-24G	1754-0-2718	10/100
260 palladium ¹⁾	1723-260	1754-0-4403	10
266 titanium ¹⁾	1723-266	1754-0-4394	10

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 4gang frame Horizontal		
20 platinum ¹⁾	1724-20	1754-0-1645	1
21 bronze ¹⁾	1724-21	1754-0-1736	1
22G ivory	1724-22G	1754-0-3815	1
23G gold	1724-23G-101	delivery on request	
24 studio white matt	1724-24	1754-0-1827	1
24G studio white	1724-24G	1754-0-2908	1
260 palladium ¹⁾	1724-260	1754-0-4405	1
266 titanium ¹⁾	1724-266	1754-0-4396	1

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
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Cover frame 1) 2)
1gang frame
With labelling field and label holder.

24 studio white matt	1721 NS-24	1754-0-1975	10
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- 1) See labelling sheet 1799 03.
- 2) See label holder.



Cover frame 1) 2)
2gang frame
With labelling field and label holder.
Vertical.

24 studio white matt	1732 NS-24	1754-0-1991	10
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- 1) See labelling sheet 1799 03.
- 2) See label holder.



Cover frame 1) 2)
3gang frame
With labelling field and label holder.
Vertical.

24 studio white matt	1733 NS-24	1754-0-2023	10
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- 1) See labelling sheet 1799 03.
- 2) See label holder.



Cover frame 1) 2)
2gang frame
With labelling field and label holder.
Horizontal

24 studio white matt	1722 NS-24	1754-0-1983	10
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- 1) See labelling sheet 1799 03.
- 2) See label holder.



Cover frame 1) 2)
3gang frame
With labelling field and label holder.
Horizontal

24 studio white matt	1723 NS-24	1754-0-2403	10
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- 1) See labelling sheet 1799 03.
- 2) See label holder.

Product	Article-No.	Order-No.	Pack/Qty
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Cover frame 1)
1gang frame

20 platinum 2)	1721 KA-20	1754-0-4373	10/100
21 bronze 2)	1721 KA-21	1754-0-4382	10/100
22G ivory	1721 KA-22G	1754-0-3831	10
24G studio white	1721 KA-24G	1754-0-2965	10
260 palladium 2)	1721 KA-260	1754-0-4115	10/100
263 chrome 2)	1721 KA-263	1754-0-4159	10/100
266 titanium 2)	1721 KA-266	1754-0-4124	10/100

- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.



Cover frame 1)
2gang frame
Vertical.

20 platinum 2)	1732 KA-20	1754-0-4375	10
21 bronze 2)	1732 KA-21	1754-0-4384	10
22G ivory	1732 KA-22G	1754-0-3864	10
24G studio white	1732 KA-24G	1754-0-3054	10
260 palladium 2)	1732 KA-260	1754-0-4117	10/100
263 chrome 2)	1732 KA-263	1754-0-4161	10/100
266 titanium 2)	1732 KA-266	1754-0-4126	10/100

- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.



Cover frame 1)
3gang frame
Vertical.

20 platinum 2)	1733 KA-20	1754-0-4377	10
21 bronze 2)	1733 KA-21	1754-0-4386	10
22G ivory	1733 KA-22G	1754-0-3872	10
24G studio white	1733 KA-24G	1754-0-3088	10
260 palladium 2)	1733 KA-260	1754-0-4119	10
263 chrome 2)	1733 KA-263	1754-0-4163	10
266 titanium 2)	1733 KA-266	1754-0-4128	10


- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.



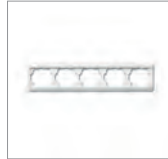
Cover frame 1)
4gang frame
Vertical.

20 platinum 2)	1734 KA-20	1754-0-4379	1
21 bronze 2)	1734 KA-21	1754-0-4388	1
22G ivory	1734 KA-22G	1754-0-4152	1
24G studio white	1734 KA-24G	1754-0-4156	1
260 palladium 2)	1734 KA-260	1754-0-4121	1
263 chrome 2)	1734 KA-263	1754-0-4165	1
266 titanium 2)	1734 KA-266	1754-0-4130	1


- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1) 5gang frame Vertical.		
20 platinum 2)	1735 KA-20	1754-0-4381	1
21 bronze 2)	1735 KA-21	1754-0-4390	1
22G ivory	1735 KA-22G	1754-0-4154	1
24G studio white	1735 KA-24G	1754-0-4158	1
260 palladium 2)	1735 KA-260	1754-0-4123	1
263 chrome 2)	1735 KA-263	1754-0-4167	1
266 titanium 2)	1735 KA-266	1754-0-4132	1


1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1) 5gang frame Horizontal		
20 platinum 2)	1725 KA-20	1754-0-4380	1
21 bronze 2)	1725 KA-21	1754-0-4389	1
22G ivory	1725 KA-22G	1754-0-4153	1
24G studio white	1725 KA-24G	1754-0-4157	1
260 palladium 2)	1725 KA-260	1754-0-4122	1
263 chrome 2)	1725 KA-263	1754-0-4166	1
266 titanium 2)	1725 KA-266	1754-0-4131	1


1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1) 2gang frame Horizontal		
20 platinum 2)	1722 KA-20	1754-0-4374	10
21 bronze 2)	1722 KA-21	1754-0-4383	10
22G ivory	1722 KA-22G	1754-0-3849	10
24G studio white	1722 KA-24G	1754-0-2999	10
260 palladium 2)	1722 KA-260	1754-0-4116	10/100
263 chrome 2)	1722 KA-263	1754-0-4160	10/100
266 titanium 2)	1722 KA-266	1754-0-4125	10/100







1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1) 3gang frame Horizontal		
20 platinum 2)	1723 KA-20	1754-0-4376	10
21 bronze 2)	1723 KA-21	1754-0-4385	10
22G ivory	1723 KA-22G	1754-0-3856	10
24G studio white	1723 KA-24G	1754-0-3021	10
260 palladium 2)	1723 KA-260	1754-0-4118	10
263 chrome 2)	1723 KA-263	1754-0-4162	10
266 titanium 2)	1723 KA-266	1754-0-4127	10

1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1) 4gang frame Horizontal		
20 platinum 2)	1724 KA-20	1754-0-4378	1
21 bronze 2)	1724 KA-21	1754-0-4387	1
22G ivory	1724 KA-22G	1754-0-4151	1
24G studio white	1724 KA-24G	1754-0-4155	1
260 palladium 2)	1724 KA-260	1754-0-4120	1
263 chrome 2)	1724 KA-263	1754-0-4164	1
266 titanium 2)	1724 KA-266	1754-0-4129	1

1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2)} 1gang frame With labelling field and label holder.						
24G studio white	1721 NSKA-24G	1754-0-4065	10				
<p>1) See labelling sheet 1799 03. 2) Suitable for installation in trunking systems with 80 mm conduit.</p>							
	Cover frame ^{1) 2)} 2gang frame With labelling field and label holder. Vertical.						
24G studio white	1732 NSKA-24G	1754-0-4067	10				
<p>1) See labelling sheet 1799 03. 2) See label holder.</p>							
	Cover frame ^{1) 2) 3)} 3gang frame With labelling field and label holder. Vertical.						
24G studio white	1733 NSKA-24G	1754-0-4069	10				
<p>1) See labelling sheet 1799 03. 2) See label holder. 3) Suitable for installation in trunking systems with 80 mm conduit.</p>							
	Cover frame ^{1) 2) 3)} 2gang frame With labelling field and label holder. Horizontal						
24G studio white	1722 NSKA-24G	1754-0-4066	10				
<p>1) See labelling sheet 1799 03. 2) See label holder. 3) Suitable for installation in trunking systems with 80 mm conduit.</p>							
	Cover frame ^{1) 2) 3)} 3gang frame With labelling field and label holder. Horizontal						
24G studio white	1723 NSKA-24G	1754-0-4068	10				
<p>1) See labelling sheet 1799 03. 2) See label holder. 3) Suitable for installation in trunking systems with 80 mm conduit.</p>							
	Label holder For replacement purposes For outer edge of frame.						
	1761	1799-0-0154	10				
	1760	1799-0-0162	10				



future[®] linear

The “essential features” become evident when reductions are made.

future[®] linear. When the eye comes to rest, it can focus on the essential features. Concentration on plain functionalism fascinates with its clarity and independence. The attraction of future[®] linear lies in its uncompromising, straightforward design. This is combined with definitive colours that harmonize with modern architectural design. Impressive to the eyes and the touch with the Softtouch colours studio white matt and black matt.





future® linear

-
- 01 2gang combination switch/socket outlet, shuttered.
Colour: black matt*.
 - 02 anthracite (81/81)
 - 03 ivory white (82/82)
 - 04 aluminiumsilver (83/83)
 - 05 studio white (84/84)
 - 06 white matt* (884/884)
 - 07 black matt* (885/885)
-

» Materials

Cover: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.



*Softtouch: stimulating colours with pleasant haptics and a hard-wearing surface.

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- 02 Rocker switch 2gang
- 03 Busch-Universal rotary dimmer
- 04 Rocker switch with neon lens
- 05 Busch-Memory 2gang dimmer
- 06 Busch-Comfort switch
- 07 IR sensor with 1gang control element
- 08 SCHUKO[®] socket outlet shuttered
- 09 Card switch
- 10 Busch-Blind control switch with rotary knob
- 11 Busch-Blind control switch with semi-cylindrical lock
- 12 Busch-Blind comfort switch
- 13 Comfort timer
- 14 Room thermostat with display
- 15 WaveLINE LED display
- 16 Busch-Infoline[®] alarm insert
- 17 Busch-AudioWorld[®] DigitalRadio
- 18 Antenna socket for radio/TV/satellite

The attraction of future[®] linear is their uncompromisingly simple design in combination with defined colours that have their counterpart in a contemporary architectonic

conception, independent of time and fashion. In communication systems/special connector devices you will find the suitable solution for special applications.

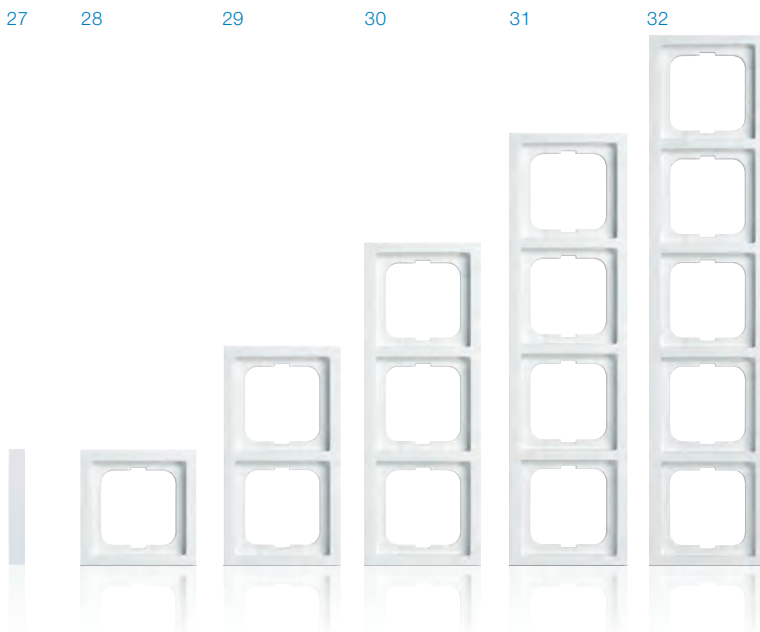
Different by design



- 19 KNX sensor 1/2gang with color concept*
- 20 KNX sensor 2/4gang with color concept*
- 21 KNX sensor 4/8gang with color concept*
- 22 KNX sensor IR sensor with 3/6gang control element and color concept*
- 23 KNX room thermostat with 2/4gang sensor and color concept*
- 24 KNX sensor room thermostat with heating/cooling mode*
- 25 KNX Flush-mounted movement detector comfort with Multi-lens*
- 26 KNX Flush-mounted movement detector standard*

The LEDs of the sensors can be set in several colours to allow the buttons to be assigned to specific applications (e.g. light, blind, heating).

* Please find further information in the chapter ABB i-bus® KNX.




1 to 5 gang cover frame for horizontal and vertical installation.


- 27 Side view: 11 mm x 80 mm
- 28 80 mm x 80 mm
- 29 80 mm x 151 mm
- 30 80 mm x 222 mm
- 31 80 mm x 293 mm
- 32 80 mm x 366 mm




Cover frames for both horizontal and vertical installation in 1-4gang, are also available with labelling field. Colour: studio white

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
81 anthracite	1786-81	1751-0-2926	10/100
82 savanna/ ivory white	1786-82	1751-0-2741	10/100
83 aluminium silver ¹⁾	1786-83	1751-0-2943	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100
884 studio white matt ¹⁾	1786-884	1751-0-3027	10/100
885 black matt ¹⁾	1786-885	1751-0-3041	10/100


1) Surface painted.

	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch. with marking. DO NOT DISTURB		
82 savanna/ ivory white	1786/11-82	1751-0-2997	10
83 aluminium silver ¹⁾	1786/11-83	1751-0-3001	10
84 davos/studio white	1786/11-84	1751-0-2998	10
884 studio white matt ¹⁾	1786/11-884	1751-0-3026	10
885 black matt ¹⁾	1786/11-885	1751-0-3040	10


1) Surface painted.

	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
81 anthracite	1789-81	1751-0-2928	10
82 savanna/ ivory white	1789-82	1751-0-2813	10
83 aluminium silver ¹⁾	1789-83	1751-0-2945	10/100
84 davos/studio white	1789-84	1751-0-2814	10/100
884 studio white matt ¹⁾	1789-884	1751-0-3033	10
885 black matt ¹⁾	1789-885	1751-0-3047	10


1) Surface painted.

	Switch rocker With symbol For flush mounted push switch.		
81 anthracite	1789 LI-81	1751-0-2931	10
82 savanna/ ivory white	1789 LI-82	1751-0-2745	10
83 aluminium silver ¹⁾	1789 LI-83	1751-0-2951	10
84 davos/studio white	1789 LI-84	1751-0-2753	10/100
884 studio white matt ¹⁾	1789 LI-884	1751-0-3031	10
885 black matt ¹⁾	1789 LI-885	1751-0-3045	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
81 anthracite	1789 KI-81	1751-0-2932	10
82 savanna/ ivory white	1789 KI-82	1751-0-2746	10
83 aluminium silver ¹⁾	1789 KI-83	1751-0-2952	10
84 davos/studio white	1789 KI-84	1751-0-2754	10
884 studio white matt ¹⁾	1789 KI-884	1751-0-3030	10
885 black matt ¹⁾	1789 KI-885	1751-0-3044	10

1) Surface painted.

	Switch rocker With key symbol For flush mounted push switch.		
81 anthracite	1789 TR-81	1751-0-2933	10
82 savanna/ ivory white	1789 TR-82	1751-0-2747	10
83 aluminium silver ¹⁾	1789 TR-83	1751-0-2953	10
84 davos/studio white	1789 TR-84	1751-0-2755	10
884 studio white matt ¹⁾	1789 TR-884	1751-0-3032	10
885 black matt ¹⁾	1789 TR-885	1751-0-3046	10


1) Surface painted.

	Switch rocker ^{1) 2)} with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm.		
81 anthracite	1764 NLI-81	1731-0-1552	10
82 savanna/ ivory white	1764 NLI-82	1731-0-1876	10
83 aluminium silver ³⁾	1764 NLI-83	1731-0-1948	10
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100
884 studio white matt ³⁾	1764 NLI-884	1731-0-1985	10
885 black matt ³⁾	1764 NLI-885	1731-0-1982	10
12 red	1764 NLI-12-82	1731-0-1977	10


1) See labelling sheet 1799 xx.

2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.


3) Surface painted.

	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
81 anthracite	1788-81	1751-0-2927	10
82 savanna/ ivory white	1788-82	1751-0-2742	10
83 aluminium silver ¹⁾	1788-83	1751-0-2954	10
84 davos/studio white	1788-84	1751-0-2750	10/100
884 studio white matt ¹⁾	1788-884	1751-0-3028	10
885 black matt ¹⁾	1788-885	1751-0-3042	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 2g 1w, 2g push switch		
81 anthracite	1785-81	1751-0-2930	10
82 savanna/ ivory white	1785-82	1751-0-2744	10/100
83 aluminium silver ¹⁾	1785-83	1751-0-2942	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100
884 studio white matt ¹⁾	1785-884	1751-0-3024	10/100
885 black matt ¹⁾	1785-885	1751-0-3038	10/100


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
81 anthracite	1789 H-81	1751-0-2929	10
82 savanna/ ivory white	1789 H-82	1751-0-2743	10
83 aluminium silver ¹⁾	1789 H-83	1751-0-2955	10
84 davos/studio white	1789 H-84	1751-0-2751	10
884 studio white matt ¹⁾	1789 H-884	1751-0-3029	10
885 black matt ¹⁾	1789 H-885	1751-0-3043	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U.		
81 anthracite	8251-81	8200-0-0031	10
82 savanna/ ivory white	8251-82	8200-0-0032	10
83 aluminium silver ¹⁾	8251-83	8200-0-0039	10
84 davos/studio white	8251-84	8200-0-0033	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US.		
81 anthracite	1720-81	1731-0-1914	10
82 savanna/ ivory white	1720-82	1731-0-1915	10
83 aluminium silver ¹⁾	1720-83	1731-0-1949	10
84 davos/studio white	1720-84	1731-0-1916	10
884 studio white matt ¹⁾	1720-884	1731-0-1979	10
885 black matt ¹⁾	1720-885	1731-0-1981	10

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
81 anthracite	6541-81	6599-0-2882	10
82 savanna/ ivory white	6541-82	6599-0-2832	10
83 aluminium silver ¹⁾	6541-83	6599-0-2885	10
84 davos/studio white	6541-84	6599-0-2835	10
884 studio white matt ¹⁾	6541-884	6599-0-2962	10
885 black matt ¹⁾	6541-885	6599-0-2967	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob, with indication lamp Elevated knob. For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
81 anthracite	6540-81-102	6599-0-2950	10
82 savanna/ ivory white	6540-82-102	6599-0-2951	10/100
83 aluminium silver ²⁾	6540-83-102	6599-0-2952	10/100
84 davos/studio white	6540-84-102	6599-0-2953	10/100
884 studio white matt ²⁾	6540-884-102	6599-0-2961	10
885 black matt ²⁾	6540-885-102	6599-0-2966	10/100

1) Replacement neon lamp, Art. No. 3855.

2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite	6815-81	6800-0-2284	1/10
82 savanna/ ivory white	6815-82	6800-0-2285	1/10
83 aluminium silver ²⁾	6815-83	6800-0-2342	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
884 studio white matt ²⁾	6815-884	6800-0-2499	1/10
885 black matt ²⁾	6815-885	6800-0-2501	1/10

1) Please order the respective flush mounted insert separately.

2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ ivory white	6066-82	6020-0-1332	10/10
83 aluminium silver 2)	6066-83	6020-0-1383	1/10
84 davos/studio white	6066-84	6020-0-1334	1/10
884 studio white matt 2)	6066-884	6020-0-1397	1/10
885 black matt 2)	6066-885	6020-0-1399	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
81 anthracite	6067-81	6020-0-1380	1/10
82 savanna/ ivory white	6067-82	6020-0-1333	1
83 aluminium silver 1)	6067-83	6020-0-1384	1/10
84 davos/studio white	6067-84	6020-0-1335	1
884 studio white matt 1)	6067-884	6020-0-1398	1/10
885 black matt 1)	6067-885	6020-0-1400	1/10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 3) 4) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
81 anthracite	6543-81-101	6599-0-2881	1/10
82 savanna/ ivory white	6543-82-101	6599-0-2831	1/10
83 aluminium silver 4)	6543-83-101	6599-0-2887	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
884 studio white matt 4)	6543-884-101	6599-0-2963	1/10
885 black matt 4)	6543-885-101	6599-0-2968	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
81 anthracite	6545-81	6599-0-2906	1/10
82 savanna/ ivory white	6545-82	6599-0-2907	1/10
83 aluminium silver 2)	6545-83	6599-0-2914	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
884 studio white matt 2)	6545-884	6599-0-2964	1/10
885 black matt 2)	6545-885	6599-0-2969	1/10

1) Replacement neon lamp 3857.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
81 anthracite	1785 JA-81	1751-0-2934	10
82 savanna/ ivory white	1785 JA-82	1751-0-2748	10
83 aluminium silver 1)	1785 JA-83	1751-0-2944	10/100
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
884 studio white matt 1)	1785 JA-884	1751-0-3022	10
885 black matt 1)	1785 JA-885	1751-0-3036	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
81 anthracite	1740-81	1710-0-3623	10
82 savanna/ ivory white	1740-82	1710-0-3154	10
83 aluminium silver 1)	1740-83	1710-0-3661	10
84 davos/studio white	1740-84	1710-0-3172	10/100
884 studio white matt 1)	1740-884	1710-0-3872	10
885 black matt 1)	1740-885	1710-0-3894	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
81 anthracite	2542 DR/01-81	1710-0-3644	10
82 savanna/ ivory white	2542 DR/01-82	1710-0-3645	10
83 aluminium silver 1)	2542 DR/01-83	1710-0-3671	10
84 davos/studio white	2542 DR/01-84	1710-0-3646	10
884 studio white matt 1)	2542 DR/01-884	1710-0-3890	10
885 black matt 1)	2542 DR/01-885	1710-0-3913	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
81 anthracite	2542 DR/02-81	1710-0-3649	10
82 savanna/ ivory white	2542 DR/02-82	1710-0-3650	10
83 aluminium silver 1)	2542 DR/02-83	1710-0-3672	10
84 davos/studio white	2542 DR/02-84	1710-0-3651	10
884 studio white matt 1)	2542 DR/02-884	1710-0-3891	10
885 black matt 1)	2542 DR/02-885	1710-0-3914	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
81 anthracite	1773-81	1753-0-9906	10
82 savanna/ ivory white	1773-82	1753-0-9907	10
83 aluminium silver ¹⁾	1773-83	1753-0-0030	10
84 davos/studio white	1773-84	1753-0-9908	10
884 studio white matt ¹⁾	1773-884	1753-0-0132	10
885 black matt ¹⁾	1773-885	1753-0-0135	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
81 anthracite	1773/10-81	1753-0-9911	10
82 savanna/ ivory white	1773/10-82	1753-0-9912	10
83 aluminium silver ¹⁾	1773/10-83	1753-0-0031	10
84 davos/studio white	1773/10-84	1753-0-9914	10
884 studio white matt ¹⁾	1773/10-884	1753-0-9971	10
885 black matt ¹⁾	1773/10-885	1753-0-0134	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
81 anthracite	1755 SL/PZ-81-101	1710-0-3626	10
82 savanna/ ivory white	1755 SL/PZ-82-101	1710-0-3157	10
83 aluminium silver ²⁾	1755 SL/PZ-83-101	1710-0-3662	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
884 studio white matt ²⁾	1755 SL/PZ-884-101	1710-0-3925	10
885 black matt ²⁾	1755 SL/PZ-885-101	1710-0-3902	10

1) Refer to marking plate 1799 18 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
81 anthracite	6430-81-102	6430-0-0326	1/10
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
83 aluminium silver ¹⁾	6430-83-102	6430-0-0328	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
884 studio white matt ¹⁾	6430-884-102	6430-0-0385	1/10
885 black matt ¹⁾	6430-885-102	6430-0-0386	1/10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob For comfort blinds insert 6419 U.		
81 anthracite	6436-81	6430-0-0387	10
82 savanna/ ivory white	6436-82	6430-0-0356	10
83 aluminium silver ²⁾	6436-83	6430-0-0357	10
84 davos/studio white	6436-84	6430-0-0358	10
884 studio white matt ²⁾	6436-884	6430-0-0363	10
885 black matt ²⁾	6436-885	6430-0-0364	10

1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ For Busch-Wind and sun blind switch insert 6480 U-10x.		
81 anthracite	1775 S/W-81-101	1710-0-3625	10
82 savanna/ ivory white	1775 S/W-82-101	1710-0-3156	10
83 aluminium silver ¹⁾	1775 S/W-83-101	1710-0-3663	10
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10
884 studio white matt ¹⁾	1775 S/W-884-101	1710-0-3927	10
885 black matt ¹⁾	1775 S/W-885-101	1710-0-3904	10


1) Surface painted.
¹⁾ Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
83 aluminium silver ¹⁾	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
81 anthracite	1716-81	1731-0-1921	1
82 savanna/ ivory white	1716-82	1731-0-1922	1
83 aluminium silver ³⁾	1716-83	1731-0-1950	1
84 davos/studio white	1716-84	1731-0-1923	1
884 studio white matt ³⁾	1716-884	1731-0-1978	1
885 black matt ³⁾	1716-885	1731-0-1980	1


1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 21.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
81 anthracite	1742-81	1710-0-3612	10
82 savanna/ ivory white	1742-82	1710-0-3143	10
83 aluminium silver ¹⁾	1742-83	1710-0-3664	10
84 davos/studio white	1742-84	1710-0-3161	10/100
884 studio white matt ¹⁾	1742-884	1710-0-3873	10/100
885 black matt ¹⁾	1742-885	1710-0-3895	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite	1803-81	1710-0-3616	10
82 savanna/ ivory white	1803-82	1710-0-3147	10
83 aluminium silver ²⁾	1803-83	1710-0-3674	10
84 davos/studio white	1803-84	1710-0-3165	10/100
884 studio white matt ²⁾	1803-884	1710-0-3889	10
885 black matt ²⁾	1803-885	1710-0-3912	10


1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite	1803-02-81	1710-0-3615	10
82 savanna/ ivory white	1803-02-82	1710-0-3146	10
83 aluminium silver ²⁾	1803-02-83	1710-0-3610	10/100
84 davos/studio white	1803-02-84	1710-0-3164	10/100
884 studio white matt ²⁾	1803-02-884	1710-0-3888	10
885 black matt ²⁾	1803-02-885	1710-0-3911	10


1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate for telephone connection unit For loudspeaker connection box Suitable for part number 0248/0x-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
81 anthracite	1766-81	1710-0-3613	10
82 savanna/ ivory white	1766-82	1710-0-3144	10/100
83 aluminium silver ¹⁾	1766-83	1710-0-3659	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
884 studio white matt ¹⁾	1766-884	1710-0-3926	10
885 black matt ¹⁾	1766-885	1710-0-3903	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
81 anthracite	1751-81	1723-0-0253	10
82 savanna/ ivory white	1751-82	1723-0-0239	10
83 aluminium silver ¹⁾	1751-83	1723-0-0254	10
84 davos/studio white	1751-84	1723-0-0240	10/100
884 studio white matt ¹⁾	1751-884	1723-0-0260	10
885 black matt ¹⁾	1751-885	1723-0-0259	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
81 anthracite	1745-81	1710-0-3624	10
82 savanna/ ivory white	1745-82	1710-0-3155	10
83 aluminium silver ¹⁾	1745-83	1710-0-3675	10
84 davos/studio white	1745-84	1710-0-3173	10
884 studio white matt ¹⁾	1745-884	1710-0-3874	10
885 black matt ¹⁾	1745-885	1710-0-3896	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 3)} As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
81 anthracite	1743-81	1724-0-4252	10
82 savanna/ ivory white	1743-82	1724-0-2758	10
83 aluminium silver ³⁾	1743-83	1724-0-4262	10
84 davos/studio white	1743-84	1724-0-2774	10/100
884 studio white matt ³⁾	1743-884	1724-0-4293	10/100
885 black matt ³⁾	1743-885	1724-0-4298	10/100


1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.
3) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite	1800-81	1710-0-3627	10
82 savanna/ ivory white	1800-82	1710-0-3158	10
83 aluminium silver ²⁾	1800-83	1710-0-3676	10
84 davos/studio white	1800-84	1710-0-3176	10/100
884 studio white matt ²⁾	1800-884	1710-0-3887	10
885 black matt ²⁾	1800-885	1710-0-3910	10

1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	1746/10-81	1710-0-3628	10
82 savanna/ ivory white	1746/10-82	1710-0-3521	10
83 aluminium silver ¹⁾	1746/10-83	1710-0-3677	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
884 studio white matt ¹⁾	1746/10-884	1710-0-3875	10
885 black matt ¹⁾	1746/10-885	1710-0-3897	10

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747 SI-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite	1746-81	1710-0-3618	10
82 savanna/ ivory white	1746-82	1710-0-3149	10
83 aluminium silver ¹⁾	1746-83	1710-0-3678	10
84 davos/studio white	1746-84	1710-0-3167	10
884 studio white matt ¹⁾	1746-884	1710-0-3876	10
885 black matt ¹⁾	1746-885	1710-0-3898	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
81 anthracite	1748-81	1710-0-3654	10
82 savanna/ ivory white	1748-82	1710-0-3655	10
83 aluminium silver ¹⁾	1748-83	1710-0-3673	10
84 davos/studio white	1748-84	1710-0-3656	10
884 studio white matt ¹⁾	1748-884	1710-0-3877	10
885 black matt ¹⁾	1748-885	1710-0-3899	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
81 anthracite	1750-81	1710-0-3617	10
82 savanna/ ivory white	1750-82	1710-0-3148	10
83 aluminium silver ¹⁾	1750-83	1710-0-3679	10
84 davos/studio white	1750-84	1710-0-3166	10
884 studio white matt ¹⁾	1750-884	1710-0-3879	10
885 black matt ¹⁾	1750-885	1710-0-3901	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1); July 2007 Connection bolts German Standard DIN 42801.		
81 anthracite	2095 UC-81	2495-0-0084	10
82 savanna/ ivory white	2095 UC-82	2495-0-0085	10
83 aluminium silver ¹⁾	2095 UC-83	2495-0-0089	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
884 studio white matt ¹⁾	2095 UC-884	2495-0-0091	10
885 black matt ¹⁾	2095 UC-885	2495-0-0092	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
81 anthracite	2533-81	1724-0-4254	10
82 savanna/ ivory white	2533-82	1724-0-4255	10
83 aluminium silver ¹⁾	2533-83	1724-0-4261	10
84 davos/studio white	2533-84	1724-0-4256	10
884 studio white matt ¹⁾	2533-884	1724-0-4296	10
885 black matt ¹⁾	2533-885	1724-0-4301	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
81 anthracite	1758-81	1724-0-4253	10
82 savanna/ ivory white	1758-82	1724-0-2759	10
83 aluminium silver ²⁾	1758-83	1724-0-4263	10
84 davos/studio white	1758-84	1724-0-2761	10/100
884 studio white matt ²⁾	1758-884	1724-0-4307	10
885 black matt ²⁾	1758-885	1724-0-4299	10


1) Labelling sheets 1799, 1799 02, 1799 19 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
81 anthracite	1749-81	1710-0-3614	10
82 savanna/ ivory white	1749-82	1710-0-3145	10
83 aluminium silver ²⁾	1749-83	1710-0-3665	10
84 davos/studio white	1749-84	1710-0-3163	10/100
884 studio white matt ²⁾	1749-884	1710-0-3878	10
885 black matt ²⁾	1749-885	1710-0-3900	10


1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUC-81	2011-0-3801	10/100
82 savanna/ ivory white	20 EUC-82	2011-0-3721	10/100
83 aluminium silver ²⁾	20 EUC-83	2011-0-3798	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
884 studio white matt ²⁾	20 EUC-884	2011-0-3879	10/100
885 black matt ²⁾	20 EUC-885	2011-0-3883	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ ²⁾ Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUCKS-81	2013-0-5265	10
82 savanna/ ivory white	20 EUCKS-82	2013-0-5244	10/100
83 aluminium silver ³⁾	20 EUCKS-83	2013-0-5272	10/100
84 davos/studio white	20 EUCKS-84	2013-0-5245	10/100
884 studio white matt ³⁾	20 EUCKS-884	2013-0-5328	10/100
885 black matt ³⁾	20 EUCKS-885	2013-0-5333	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ with marking With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
green (SV) RAL 6018	20 EUC-13-82	2011-0-3722	10
orange (ZSV) RAL 2004	20 EUC-14-82	2011-0-3723	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUK-81	2018-0-1486	10
82 savanna/ ivory white	20 EUK-82	2018-0-1465	10
83 aluminium silver ²⁾	20 EUK-83	2018-0-1487	10
84 davos/studio white	20 EUK-84	2018-0-1467	10/100
884 studio white matt ²⁾	20 EUK-884	2018-0-1494	10
885 black matt ²⁾	20 EUK-885	2018-0-1495	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ ²⁾ with labelling field. 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUN-81	2011-0-3802	10
82 savanna/ ivory white	20 EUN-82	2011-0-3726	10
83 aluminium silver ³⁾	20 EUN-83	2011-0-3810	10
84 davos/studio white	20 EUN-84	2011-0-3727	10/100
884 studio white matt ³⁾	20 EUN-884	2011-0-3881	10
885 black matt ³⁾	20 EUN-885	2011-0-3884	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
81 anthracite	2310 EUGL/VA-81-11	2011-0-3830	1
82 savanna/ ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
83 aluminium silver ²⁾	2310 EUGL/VA-83-11	2011-0-3832	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Conforms with requirement category D. Rated voltage: 250 V~ Rated current: 16 A		
12 red	NEW 2310 EUGL/VA-12-82	2011-0-3878	1/10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
82 savanna/ ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
884 studio white matt 4)	3120 EUCKS-884	3116-0-0657	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection.
4) Surface painted.

	SCHUKO® socket outlet 1) 2) With marking "EDV" With screwless terminal. 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	20 EUCKS/DV-81	2013-0-5266	10
82 savanna/ ivory white	20 EUCKS/DV-82	2013-0-5267	10
83 aluminium silver 4)	20 EUCKS/DV-83	2013-0-5273	10/100
84 davos/studio white	20 EUCKS/DV-84	2013-0-5268	10
884 studio white matt 4)	20 EUCKS/DV-884	2013-0-5327	10
885 black matt 4)	20 EUCKS/DV-885	2013-0-5332	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection.
3) Surface painted.


	SCHUKO® socket outlet Shuttered With "EDV" imprint. With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
12 red	20 EUCKS/DV-12-82	2013-0-5325	10

	SCHUKO® socket outlet Shuttered 2 P + E With screwless terminal. Rated voltage: 250 V~ Rated current: 16 A		
12 red	20 EUCKS-12-82	2013-0-5322	10
	SCHUKO® socket outlet Shuttered 2 P + E With screwless terminal. Rated voltage: 250 V~ Rated current: 16 A		
13 green	20 EUCKS-13-82	2013-0-5323	10

	SCHUKO® socket outlet Shuttered 2 P + E With screwless terminal. Rated voltage: 250 V~ Rated current: 16 A		
14 orange	20 EUCKS-14-82	2013-0-5324	10

	SCHUKO® socket outlet 1) With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBL-82	2013-0-5284	10
83 aluminium silver 2)	20 EUCBL-83	2013-0-5285	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018 orange (ZSV) RAL 2004	20 EUCBL-13-84	2013-0-5287	10
884 studio white matt 2)	20 EUCBL-14-84	2013-0-5288	10
885 black matt 2)	20 EUCBL-884	2013-0-5336	10
	20 EUCBL-885	2013-0-5330	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.


	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED. Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBLI-82	2013-0-5292	10
83 aluminium silver 3)	20 EUCBLI-83	2013-0-5293	10
84 studio white	20 EUCBLI-84	2013-0-5294	10
884 studio white matt 3)	20 EUCBLI-884	2013-0-5326	10
885 black matt 3)	20 EUCBLI-885	2013-0-5331	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty	
	Socket outlet With earthing pin With screwless terminal. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A future® linear			
	82 savanna/ ivory white	20 MUC-82-500	2017-0-0785	10/100
	84 davos/studio white	20 MUC-84-500	2017-0-0786	10/100
	884 studio white matt 1)	20 MUC-884-500	2017-0-0859	10

1) Surface painted.


	Socket outlet 1) With earthing pin With screwless terminal. Shuttered. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A			
	82 savanna/ ivory white	20 MUCKS-82-500	2017-0-0806	10
	84 davos/studio white	20 MUCKS-84-500	2017-0-0807	10
	1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".			

	Socket Outlet Cover Shuttered For socket outlet insert 20 M-500. Rated voltage: 250 V~			
	81 anthracite	2399 UCKS-81	2099-0-0216	10
	82 savanna/ ivory white	2399 UCKS-82	2099-0-0211	10
	83 aluminium silver 1)	2399 UCKS-83	2099-0-0241	10/100
	84 davos/studio white	2399 UCKS-84	2099-0-0214	10
	884 studio white matt 1)	2399 UCKS-884	2099-0-0255	10
	885 black matt 1)	2399 UCKS-885	2099-0-0256	10/100


1) Surface painted.


	Socket outlet 1) with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	NEW	20 M-500	2017-0-0854
1) Insert can be used for all covers 2399 UCKS-xx.			

	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100

Product	Article-No.	Order-No.	Pack/Qty	
	13 A Switched socket outlet 1gang With screw-type terminal. SP switched Without claw. Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2			
	81 anthracite	2190 EUC-81	2190-0-0216	10/100
	82 savanna/ ivory white	2190 EUC-82	2190-0-0213	10/100
	83 aluminium silver 1)	2190 EUC-83	2190-0-0214	10/100
	84 davos/studio white	2190 EUC-84	2190-0-0215	10/100
	884 studio white matt 1)	2190 EUC-884	2190-0-0218	10
	885 black matt 1)	2190 EUC-885	2190-0-0219	10


1) Surface painted.


	2-gang Euro American socket outlet, 10A 2gang With screw-type terminal. SP switched Without claw. Rated voltage: 250 V~ Rated current: 10 A		
	81 anthracite	2192-02 UC-81-500	delivery on request
	82 savanna/ ivory white	2192-02 UC-82-500	delivery on request
	83 aluminium silver 1)	2192-02 UC-83-500	delivery on request
84 davos/studio white	2192-02 UC-84-500	delivery on request	
1) Surface painted.			


	Chinese socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A Rated current: 10 A		
	81 anthracite	2193 EUC/10-81-500	delivery on request
	82 savanna/ ivory white	2193 EUC/10-82-500	delivery on request
	82 savanna/ ivory white	2193 EUC/10-82-500	delivery on request
	83 aluminium silver 1)	2193 EUC-83-500	delivery on request
84 davos/studio white	2193 EUC/10-84-500	delivery on request	
1) Surface painted.			


	Chinese socket outlet, 16 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
	81 anthracite	2193 EUC/16-81-500	delivery on request
	82 savanna/ ivory white	2196 EUC/16-82-500	delivery on request
	83 aluminium silver 1)	2193 EUC/16-83-500	delivery on request
	84 davos/studio white	2193 EUC/16-84-500	delivery on request
1) Surface painted.			


Product	Article-No.	Order-No.	Pack/Qty
	Chinese and Euro American socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
81 anthracite	2195 EUC/10-81-500	delivery on request	
82 savanna/ ivory white	2195 EUC/10-82-500	delivery on request	
83 aluminium silver ¹⁾	2195 EUC/10-83-500	delivery on request	
84 davos/studio white	2195 EUC/10-84-500	delivery on request	
1) Surface painted.			


	International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
81 anthracite	2197 EUC-81-500	delivery on request	
82 savanna/ ivory white	2197 EUC-82-500	delivery on request	
83 aluminium silver ¹⁾	2197 EUC-83-500	delivery on request	
84 davos/studio white	2197 EUC-84-500	delivery on request	
1) Surface painted.			

	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	2196 EUC-81-500	delivery on request	
82 savanna/ ivory white	2196 EUC-82-500	delivery on request	
83 studio white ¹⁾	2196 EUC-83-500	delivery on request	
84 davos/studio white	2196 EUC-84-500	delivery on request	
1) Surface painted.			

	Cover plate For room thermostat for room thermostat 1094 U, 1097 U		
81 anthracite	1794-81	1710-0-3629	10
82 savanna/ ivory white	1794-82	1710-0-3543	10
83 aluminium silver ¹⁾	1794-83	1710-0-3668	10
84 davos/studio white	1794-84	1710-0-3544	10
884 studio white matt ¹⁾	1794-884	1710-0-3884	10
885 black matt ¹⁾	1794-885	1710-0-3907	10
1) Surface painted.			

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
81 anthracite	1795-81	1710-0-3630	10
82 savanna/ ivory white	1795-82	1710-0-3568	10
83 aluminium silver ¹⁾	1795-83	1710-0-3669	10
84 davos/studio white	1795-84	1710-0-3569	10
884 studio white matt ¹⁾	1795-884	1710-0-3886	10
885 black matt ¹⁾	1795-885	1710-0-3909	10
1) Surface painted.			

	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
81 anthracite	1794 TA-81	1710-0-3695	10
82 savanna/ ivory white	1794 TA-82	1710-0-3696	10
83 aluminium silver ¹⁾	1794 TA-83	1710-0-3697	10
84 davos/studio white	1794 TA-84	1710-0-3698	10
884 studio white matt ¹⁾	1794 TA-884	1710-0-3883	10
885 black matt ¹⁾	1794 TA-885	1710-0-3906	10
1) Surface painted.			

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
81 anthracite	1795 TA-81	1710-0-3722	10
82 savanna/ ivory white	1795 TA-82	1710-0-3723	10
83 aluminium silver ¹⁾	1795 TA-83	1710-0-3724	10
84 davos/studio white	1795 TA-84	1710-0-3725	10
884 studio white matt ¹⁾	1795 TA-884	1710-0-3885	10
885 black matt ¹⁾	1795 TA-885	1710-0-3908	10
1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display 1) 2)		
	For status display of window handle positions: open = red, closed = green, tilted = yellow.		
	Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.		
	4 individual LED display channels.		
	Up to 8 WaveLine transmitters can be taught-in on each LED display channel.		
	Up to 8 WaveLine transmitters can be taught-in on onsite operation.		
	After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.		
	Status display for depleted WaveLINE transmitter battery.		
	Status display for faulty transmission link and defective WaveLINE transmitter.		
	User-friendly start-up without PC / software.		
Printed labelling sheet with 8 different inlay sheets.			
For WaveLINE window position sensor 6720-6x.			
For WaveLINE 6721-xx universal signalling unit.			
For Busch Watchdog 220 WaveLINE 6745 AGM.			
For Busch-Universal relay switch insert 6404 U.			
For universal dimmer switch insert 6595 U.			
Range in free field: approx.100 m			
Send/receive frequency: 868 MHz.			
Protection class (Device): IP 20			
Temperature range (Device): -5 °C to 45 °C			
Dimensions: (L x W x D): 63 mm x 63 mm			
81 anthracite	6730-81	6730-0-0014	1
82 savanna/ ivory white	6730-82	6730-0-0015	1
83 aluminium silver 3)	6730-83	6730-0-0016	1
84 davos/studio white	6730-84	6730-0-0017	1
884 studio white matt 3)	6730-884	6730-0-0026	1
885 black matt 3)	6730-885	6730-0-0027	1

- 1) See labelling sheet 1799 xx.
2) See labelling sheet 1799/0x.
3) Surface painted.

	Busch-Watchdog 180 flush mounted comfort sensor II 1)		
	With select-lens		
	For automatic switching of devices dependent on motion and brightness.		
	For relay insert switch 6401 U-102, 6402 U and 6812 U-101.		
	For MOS-Fet insert 6804 U-101.		
	For Dimmer insert 6593 U.		
	For extension insert 6805 U.		
	With integrated selector switch for ON-AUTOMATIC-OFF (lockable).		
	Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.		
	Surveillance density: 18 sectors with 72 switching segments.		
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.			
Detection range: frontal: 12 m, lateral: 8 m			
Detection angle: 180 °			
Brightness limit value: 5 Lux - 250 Lux , Daytime operation			
Mounting height: 0.8 m - 1.2 m			
Protection class (Sensor): IP 20			
Temperature range (Device): 0 °C to 35 °C			
81 anthracite	6800-81-104	6800-0-2268	1
82 savanna/ ivory white	6800-82-104	6800-0-2099	1/10
83 aluminium silver 2)	6800-83-104	6800-0-2325	1
84 davos/studio white	6800-84-104	6800-0-2101	1/10
884 studio white matt 2)	6800-884-104	6800-0-2497	1
885 black matt 2)	6800-885-104	6800-0-2506	1


- 1) Please order the respective flush mounted insert separately.
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2)		
	With multi-lens		
	For automatic switching of devices dependent on motion and brightness.		
	For down-to-ground detection.		
	For relay insert switch 6401 U-102, 6402 U and 6812 U-101.		
	For MOS-Fet insert 6804 U-101.		
	For Dimmer insert 6593 U.		
	For extension insert 6805 U.		
	With integrated selector switch for ON-AUTOMATIC-OFF (lockable).		
	Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.		
Surveillance density: 28 sectors with 112 switching segments.			
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.			
Detection range: frontal: 15 m, lateral: 5 m			
Detection angle: 180 °			
Brightness limit value: 5 Lux - 250 Lux , Daytime operation			
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m			
Protection class (Sensor): IP 20			
Temperature range (Device): 0 °C to 35 °C			
81 anthracite	6800-81-104M	6800-0-2269	1
82 savanna/ ivory white	6800-82-104M	6800-0-2100	1
83 aluminium silver 3)	6800-83-104M	6800-0-2327	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
884 studio white matt 3)	6800-884-104M	6800-0-2498	1
885 black matt 3)	6800-885-104M	6800-0-2500	1


- 1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.
3) Surface painted.


	Surface mounting box			
	Box for inserts and cover plates with cover frame.			
	1-gang box			
	81 anthracite	1701-81	1799-0-0895	10
	82 savanna/ ivory white	1701-82	1799-0-0896	10
	83 aluminium silver 1)	1701-83	1799-0-0905	10
	84 davos/studio white	1701-84	1799-0-0897	10/100
	884 studio white matt 1)	1701-884	1799-0-0921	10
	885 black matt 1)	1701-885	1799-0-0923	10
	2-gang box			
81 anthracite	1702-81	1799-0-0900	10	
82 savanna/ ivory white	1702-82	1799-0-0901	10	
83 aluminium silver 1)	1702-83	1799-0-0906	10	
84 davos/studio white	1702-84	1799-0-0902	10	
884 studio white matt 1)	1702-884	1799-0-0922	10	
885 black matt 1)	1702-885	1799-0-0924	10	
3-gang box				
81 anthracite	1703-81	1799-0-0915	1	
82 savanna/ ivory white	1703-82	1799-0-0916	1	
83 aluminium silver 1)	1703-83	1799-0-0917	1	
84 davos/studio white	1703-84	1799-0-0918	1	
884 studio white matt 1)	1703-884	1799-0-0955	1	
885 black matt 1)	1703-885	1799-0-0956	1	


- 1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Trunking adaptors For SM box Suitable for 1701-8x and 1702-8x. Trunking dimension: 15 x 15 mm to 19 x 19 mm.		
81 anthracite	2087-81	1761-0-1493	10
82 savanna/ ivory white	2087-82	1761-0-1494	10
83 aluminium silver ¹⁾	2087-83	1761-0-1504	10
84 davos/studio white	2087-84	1761-0-1495	10
885 black matt ¹⁾	2087-885	1761-0-1516	
1) Surface painted.			


Product	Article-No.	Order-No.	Pack/Qty
	Cable entry For SM box Suitable for 1701-8x and 1702-8x.		
81 anthracite	2088-81	1761-0-1498	10
82 savanna/ ivory white	2088-82	1761-0-1499	10
83 aluminium silver ¹⁾	2088-83	1761-0-1505	10
84 davos/studio white	2088-84	1761-0-1500	10
1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 1gang frame With small corner radii for trunking systems.		
181 anthracite	1721-181K	1754-0-4240	10
182 savanna/ ivory white	1721-182K	1754-0-4230	10/100
184 davos/studio white	1721-184K	1754-0-4235	10/100
183 aluminium silver	1721-183K	1754-0-4301	10/100
884 studio white matt ¹⁾	1721-884K	1754-0-4414	10/100
885 black matt ¹⁾	1721-885K	1754-0-4419	10/100
1) Surface painted.			



Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 2gang frame With small corner radii for trunking systems.		
181 anthracite	1722-181K	1754-0-4241	10
182 savanna/ ivory white	1722-182K	1754-0-4231	10
183 aluminium silver	1722-183K	1754-0-4302	10/100
184 davos/studio white	1722-184K	1754-0-4236	10/100
884 studio white matt ¹⁾	1722-884K	1754-0-4415	10
885 black matt ¹⁾	1722-885K	1754-0-4420	10/100
1) Surface painted.			








Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 3gang frame With small corner radii for trunking systems.		
181 anthracite	1723-181K	1754-0-4242	10
182 savanna/ ivory white	1723-182K	1754-0-4232	10
183 aluminium silver	1723-183K	1754-0-4308	10/100
184 davos/studio white	1723-184K	1754-0-4237	10/100
884 studio white matt ¹⁾	1723-884K	1754-0-4416	10
885 black matt ¹⁾	1723-885K	1754-0-4421	10/100
1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 4gang frame With small corner radii for trunking systems.		
181 anthracite	1724-181K	1754-0-4243	10
182 savanna/ ivory white	1724-182K	1754-0-4233	10
183 aluminium silver	1724-183K	1754-0-4309	10
184 davos/studio white	1724-184K	1754-0-4238	10
884 studio white matt ¹⁾	1724-884K	1754-0-4417	10
885 black matt ¹⁾	1724-885K	1754-0-4422	10
1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 5gang frame With small corner radii for trunking systems.		
181 anthracite	1725-181K	1754-0-4244	1
182 savanna/ ivory white	1725-182K	1754-0-4234	1
183 aluminium silver	1725-183K	1754-0-4310	1
184 davos/studio white	1725-184K	1754-0-4239	1
884 studio white matt 1)	1725-884K	1754-0-4418	1
885 black matt 1)	1725-885K	1754-0-4423	1

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 1gang frame With small corner radii for trunking systems.		
12 red	1721-12-182K	1754-0-4371	10
	future® linear Cover frame 2gang frame With small corner radii for trunking systems.		
12 red	1722-12-182K	1754-0-4372	10

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 1) 1gang frame With labelling field and label holder. With small corner radii for trunking systems.						
184 davos/studio white	1721-184 NSK	1754-0-4364	10/100				
1) See labelling sheet 1799 xx.							
	future® linear Cover frame 1) 2gang frame With labelling field and label holder. With small corner radii for trunking systems. Vertical.						
184 davos/studio white	1722-184 NSK	1754-0-4365	10/100				
1) Pertinent labelling sheet 1799 26.							
	future® linear Cover frame 1) 3gang frame With labelling field and label holder. With small corner radii for trunking systems. Vertical.						
184 davos/studio white	1723-184 NSK	1754-0-4366	10				
1) Pertinent labelling sheet 1799 26.							
	future® linear Cover frame 1) 4gang frame With labelling field and label holder. With small corner radii for trunking systems. Vertical.						
184 davos/studio white	1724-184 NSK	1754-0-4367	1				
1) Pertinent labelling sheet 1799 26.							
	future® linear Cover frame 1) 2gang frame With labelling field and label holder. With small corner radii for trunking systems. Horizontal						
184 davos/studio white	1732-184 NSK	1754-0-4368	10/100				
1) Pertinent labelling sheet 1799 26.							
	future® linear Cover frame 1) 3gang frame With labelling field and label holder. With small corner radii for trunking systems. Horizontal						
184 davos/studio white	1733-184 NSK	1754-0-4369	10				
1) Pertinent labelling sheet 1799 26.							
	future® linear Cover frame 1) 4gang frame With labelling field and label holder. With small corner radii for trunking systems. Horizontal						
184 davos/studio white	1734-184 NSK	1754-0-4370	1				
1) Pertinent labelling sheet 1799 26.							



Reflex SI/Reflex SI Linear

Timeless aesthetics.
Forms of classic beauty.

Reflex SI/Reflex SI Linear. Light fills the room. And the surroundings respond with reflections. Fascinating. And in similar fashion do the colours and forms of the switch series Reflex SI / Reflex SI Linear communicate with homely living environment. And here the two design lines – gently rounded and functionally square – impress with their perennially modern reserve.





Reflex SI/SI Linear Busch-Duro 2000® SI/SI Linear

- 01 2gang combination switch/socket outlet, shuttered.
Switch series: Reflex SI Linear. Colour: alpine white.
- 02 Reflex SI: alpine white (214/214)
- 03 Reflex SI Linear: alpine white (214/214)
- 04 Busch-Duro 2000® SI: white (212/212)
- 05 Busch-Duro 2000® SI Linear: white (212/212)

» Materials

Cover, alpine white (214): thermoplastic, impact-resistant and fracture-proof. Cover, white (212): Duroplast Both materials are UV-resistant. Free of PVC and halogen.



Contents Reflex SI/SI Linear

Rocker switches	p. 170
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SCHUKO® socket outlets	p. 175
WaveLINE LED display	p. 177
Busch Watchdog	p. 177
Cover frame	p. 180

Contents Busch-Duro 2000® SI/SI Linear

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Cover plates	p. 183
Busch Watchdog	p. 184
SCHUKO® socket outlets	p. 187
WaveLINE LED display	p. 191
Cover frame	p. 193

Reflex SI/SI Linear Busch-Duro 2000® SI/SI Linear



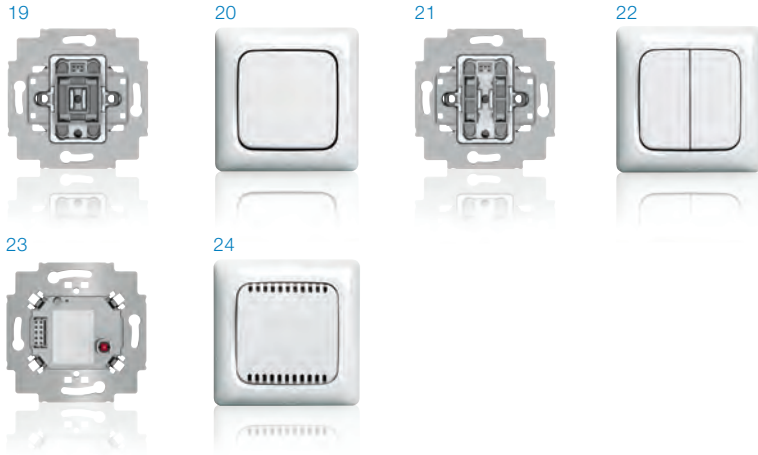
- 01 Rocker switch 1gang
- 02 Rocker switch 2gang
- 03 Busch-Universal rotary dimmer
- 04 Rocker switch with neon lens
- 05 Busch-Memory 2gang dimmer
- 06 Busch-Comfort switch
- 07 Rocker switch 1gang with bell symbol
- 08 SCHUKO® socket outlet shuttered
- 09 Busch-Infolight LED

- 10 Busch-Blind control switch with rotary knob
- 11 Busch-Blind control switch with semi-cylindrical lock
- 12 Busch-Blind comfort switch
- 13 Comfort timer
- 14 Room thermostat with display
- 15 WaveLINE LED display
- 16 Busch-Infoline® alarm insert
- 17 Busch-AudioWorld® DigitalRadio
- 18 Antenna socket for radio/TV/satellite

The Busch-Duro 2000® SI/SI Linear and Reflex SI/SI Linear switch ranges are available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or

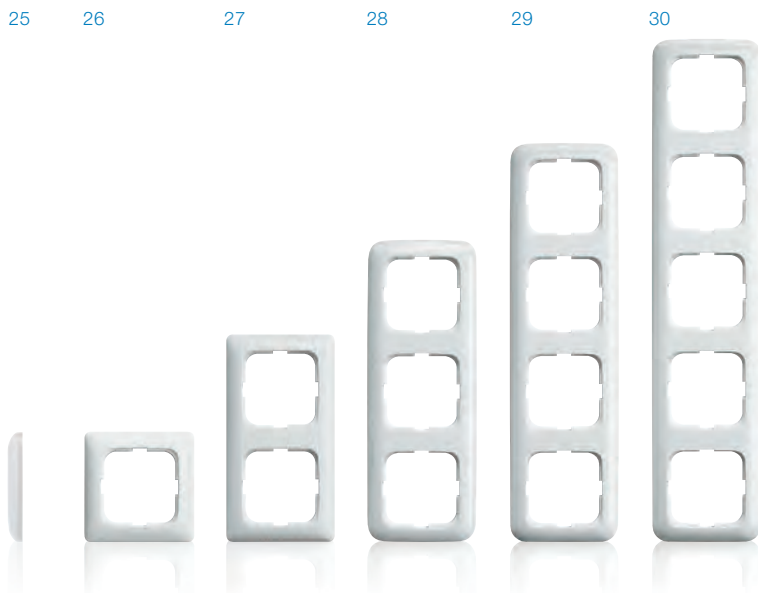
make the use of power more economical. In communication systems/special connector devices you will find the suitable solution for special applications.

Different by design



- 19 KNX push-button coupling 1/2gang 6108/01*
- 20 Rocker 1786-2x for 6108/01*
- 21 KNX push-button coupling 2/4gang 6108/02*
- 22 Rocker 1785-2x for 6108/02*
- 23 KNX room thermostat 6108/03*
- 24 Cover 6541-2x for 6108/03*

* Please find further information in the chapter ABB i-bus® KNX.






1 to 5 gang cover frame for horizontal and vertical installation.

- 25 Side view: 11 mm x 81 mm
- 26 81 mm x 81 mm
- 27 81 mm x 152 mm
- 28 81 mm x 223 mm
- 29 81 mm x 294 mm
- 30 81 mm x 365 mm



Two frame shapes are available for SI/SI Linear and Busch-Duro 2000® SI/SI Linear: frames in rounded and square form.

Cover frame for vertical and horizontal installation, 1gang to 4gang, also available with labelling field.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With closed surface				Switch rocker As cover for flush mounted control 1g1w, DP. With red neon lens and marking		
214 alpine white	2506-214	1731-0-0876	10/100	214 alpine white	2508-214	1731-0-0918	10
217 red	2506-217	1731-0-1023	10		screwable (fixing element)		
214 alpine white	2546-214	1434-0-0554	10	214 alpine white	2544-214	1434-0-0570	10
	Braille symbol self-adhesive (transparent) for cover 2506-xxx Light 2144 LI	1714-0-0295	100/1000		Switch rocker with symbol mounting hole 1gang 1way, 1gang 2way, intermediate, push switch As cover for flush mounted switch 1gang,2way, intermediate switch, pull switch and push switch.		
	Bell 2144 KI	1714-0-0296	100/1000	214 alpine white	2520-214	1731-0-0926	10/100
	Key 2144 TR	1714-0-0297	100/1000		Symbol for push switch For cover 2520-...		
	Braille symbol Socket outlet self-adhesive, transparent for SCHUKO® socket outlets with hinged lid 20 EUK-xxx 2144 ST	1714-0-0298	100/1000		Reflex SI without symbol		
	Switch rocker with closed surface 2way DP, 3-pole With neutral symbol and marking			214 alpine white	2525 N-214	1433-0-0010	100
214 alpine white	2502-214	1731-0-0884	10	214 alpine white	"Light" 2525 LI-214	1433-0-0028	100
	Switch rocker For flush mounted switch 2g 1w, 2g push switch			214 alpine white	"Bell" 2525 KI-214	1433-0-0036	100
214 alpine white	2505-214	1731-0-0892	10/100	214 alpine white	"Key" 2525 TR-214	1433-0-0044	100
214 alpine white	screwable (fixing element) 2545-214	1434-0-0562	10	transparent	red 2525-12	1433-0-0457	100
	Switch rocker with closed surface As cover for flush-mounted cover push switch 42 V. For insert 2031 flush-mounted. Without fixing element.			clear-transparent	Symbol for push switch, transparent "Light" 2145 LI	1714-0-0211	100
214 alpine white	2506 O-214	1731-0-1403	10	clear-transparent	"Bell" 2145 KI	1714-0-0229	100
	Switch rocker Control switch 2way With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch.			clear-transparent	"Key" 2145 TR	1714-0-0237	100
214 alpine white	2509-214	1731-0-0900	10/100	transparent	red 2145-12	1714-0-0245	100
				clear-transparent	without symbol 2145 N	1714-0-0203	100
	Switch rocker With symbol For flush mounted push switch. Light			214 alpine white	2520 LI-214	1731-0-0934	10/100
214 alpine white	2520 LI-214	1731-0-0934	10/100	214 alpine white	Bell 2520 KI-214	1731-0-0942	10
				214 alpine white	Key 2520 TR-214	1731-0-0959	10

Product	Article-No.	Order-No.	Pack/Qty
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Switch rocker ^{1) 2) 3)} with labelling field.
 Size of labelling field: 57 x 11 mm.
 For flush mounted switch 1g1w, 1g2w, intermediate, push switch.
 Illuminable.

214 alpine white	2506 N-214	1731-0-0520	10
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- 1) The labels are clamped under the labelling field.
- 2) See labelling sheet 1799 xx.
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.



Switch rocker ^{1) 2) 3) 4)} Illuminable, with labelling field
 For flush mounted switch 1g1w, 1g2w, intermediate, push switch.
 Size of labelling field: 25 x 37 mm.

214 alpine white	2510 N-214	1731-0-0751	10
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- 1) Large labelling field for names, symbols, instructions. Easy mounting due to insertion of label from the rear side.
- 2) 40 different type styles are enclosed with the covers
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
- 4) See labelling sheet 1799 xx.



Switch rocker ^{1) 2)} with labelling field.
 With pilot lamp for uniform illumination of the labelling field.
 For flush mounted switch 1g1w, 1g2w, intermediate, push switch.
 Size of labelling field: 51 x 10 mm.

214 alpine white	2510 NLI-214	1731-0-1452	10
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- 1) See labelling sheet 1799 xx.
- 2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.



Switch rocker ^{1) 2)} with labelling field.
 With bell symbol
 For flush mounted push switch.
 Size of labelling field: 51 x 10 mm.

214 alpine white	2506 N/KI-214	1731-0-0538	10
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- 1) The labels are clamped under the labelling field.
- 2) See labelling sheet 1799 xx.
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.



Control element ^{1) 2) 3)} With neon lamp.
 Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U

214 alpine white	6543-214-102	6599-0-2816	1/10
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- 1) Compatible with previous type 6543-xxx.
- 2) Touch-type Controller 6550 U-xxx non-illuminable.
- 3) Replacement neon lamp 3857.



Control element ¹⁾ With neon lamp.
 Combinable with Busch Memory 2gang Dimmer 6565 U.

214 alpine white	6545-214	6599-0-2889	1/10
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- 1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate For cooling element
 For Busch-Universal master dimmer power module 6594 U.
 For room thermostat object range 6108/03 and base for blind cover 6930/01.

214 alpine white	2114-214	6599-0-0195	10/100
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Cover plate ¹⁾ With rotary knob, with indication lamp
 For Busch-Dimmer®.
 For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.

214 alpine white	2115-214	6599-0-0237	10/100
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- 1) Replacement neon lamp, Art. No. 3855.



Busch-Comfort switch control element ¹⁾ With neon lamp.
 For 2-wire insert 6815 U.
 For relay insert 6816 U.
 Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off.
 Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off.
 Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off.
 Push switch function possible at all times.
 Switch-off delay: 1 to 10 min., adjustable.
 Surveillance density: 9 sectors with 28 switching segments.
 Detection range: frontal: 5 m, lateral: 3 m
 Detection angle: 170 °
 Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

214 alpine white	6815-214	6800-0-2272	1/10
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- 1) Please order the respective flush mounted insert separately.



Switch rocker With marking
 As cover for flush mounted blind control switch/push switch.
 For inserts 2000/4 and 2020/4 US.

214 alpine white	2504-214	1713-0-0163	10/100
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Cover plate With rotary control, with marking
 As cover for flush mounted blind control switch/push switch.
 for inserts 2712 U, 2713 U and 2722 U, 2723 U.

214 alpine white	2542 DR-214	1753-0-2264	10
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Cover plate With rotary control, with marking
 As cover for flush mounted three-step rotary switch.
 With zero position.
 for insert 2710 U.

214 alpine white	2542 DR/01-214	1710-0-3109	10
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Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.				Cover plate For Busch-Short-time timer insert 6465 U.		
214 alpine white	2542 DR/02-214	1710-0-3420	10	214 alpine white	1773-214	1724-0-2117	10
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/ push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.				Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
214 alpine white	2557 PZ-214-101	1710-0-1415	10	214 alpine white	1773/10-214	1724-0-2554	10/100
	Cover plate With marking As cover for flush-mounted key switch. For insert 2733 USL-101.				Cover plate With rotary knob, with marking. For Busch Timer insert 1070 U. Running time: 15 min		
214 alpine white	2557 SLPZ-214-101	1710-0-1456	10	214 alpine white	1770-214-102	1753-0-6158	10
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.				Cover plate With rotary knob, with marking. For Busch Timer insert 1071 U. Running time: 120 min		
214 alpine white	6430-214-102	6430-0-0314	1/10	214 alpine white	1771-214-102	1753-0-6307	10
	Cover plate 1) With rotary knob For comfort blinds insert 6419 U.				Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
214 alpine white	6436-214	6430-0-0355	10	214 alpine white	2562-214	1731-0-1920	1
1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.				1) Included with the cover are 46 different text labels and symbols. 2) See labelling sheet 1799 xx.			
	Cover plate 1) For Busch-Wind and sun blind switch insert 6480 U-10x.				Cap For indication lamp As cover for flush-mounted light signal. For insert 2061/2661 U. Transparent		
214 alpine white	1775 S/W-214-101	1710-0-3123	10	clear-transparent	2526-11	1512-0-0193	10
*) Phase-out type				red	2526-12	1512-0-0201	10
				green	2526-13	1512-0-0219	10
				orange	2526-14	1512-0-0227	10
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.				Blank plate With metal mounting plate		
214 alpine white	6435-214	6430-0-0286	10/100	214 alpine white	2538-214	1715-0-0275	10/100

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate ¹⁾
With metal mounting plate**
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).

214 alpine white	2527-214	1710-0-0110	10
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1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).



Cover plate
As cover for universal data connection boxes.
Art.-No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck.
Brand-Rex (WAEGV 8 EKR/EK).
BTR (universal data connecting unit design and IAE design).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.

214 alpine white	1803-214	1753-0-8394	10
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**Cover plate
2gang**
As cover for universal data connection boxes.
Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck.
Brand-Rex (WAEGV 8/8 EKR/EK).
AMP (NETCONNECT 5E).
BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design).
cti (cti-wire 2.8 Cat.6).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.

214 alpine white	1803-02-214	1753-0-8402	10/100
215 black	1803-02-215	1753-0-9111	10



Cover plate
for telephone connection unit
For loudspeaker connection box
Suitable for part number 0248/0x-101.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

214 alpine white	2539-214	1724-0-0913	10/100
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**Cover plate
With metal mounting plate**
loudspeaker inserts and cover.
fixing claws
Conductor cross-sections up to 4 mm² rigid.
With screw-type terminal.

214 alpine white	2147 U-214	1723-0-0162	10
215 black	2147 U-215	1723-0-0170	10



Cover plate
As cover for telephone connector boxes (VDo).
Can be knocked out for single or double connection.

214 alpine white	2536-214	1724-0-0921	10
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Cover plate
Suitable for telecommunication (ADo), telephone sockets, as well as for teletypewriter, data transfer devices and modem plugs.

214 alpine white	2535-214	1724-0-0905	10
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Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate ¹⁾
As cover for standard Radio/TV/SAT socket outlets.**
With 2 connectors
DIN 45330.
with M3 fixing screw.

214 alpine white	2531-214	1724-0-0897	10/100
215 black	2531-215	1724-0-1200	10

1) See inserts for satellite coaxial socket outlets.



**Cover plate ¹⁾
As cover for standard Radio/TV/SAT socket outlets.**
With 3 connectors.
Radio/TV/SAT.
with M3 fixing screw.

214 alpine white	1743-03-214	1724-0-1754	10/100
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1) See inserts for satellite coaxial socket outlets.



**Cover plate ^{1) 2)}
50 x 50 mm,**
As cover for 4gang Satellite co-axial socket outlet EVU 02 F, GEVU 15 S from Hirschmann.
Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.

214 alpine white	1743-04-214	1753-0-8642	10
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1) See adapter ring 1746/10x.
2) Compatible with ranges Reflex SI: Colour 214, *alpha nea*[®], *alpha exclusive*[®]: Colour 24G, *Busch-axcent*[®], *future*[®], *future*[®] linear, *carat*[®]: Colour 84 and *impuls*: Colour 74.



**Cover plate ^{1) 2)}
50 x 50 mm,**
As cover for 4gang Satellite co-axial socket outlet SAT400/ EAS/DC, EAS 405, 413 DAS from Ankaro.
Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.

214 alpine white	1743/10-04-214	1753-0-8659	10
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1) See adapter ring 1746/10x.
2) Compatible with ranges Reflex SI: Colour 214, *alpha nea*[®], *alpha exclusive*[®]: Colour 24G, *Busch-axcent*[®], *future*[®], *future*[®] linear, *carat*[®]: Colour 84 and *impuls*: Colour 74.



**Cover plate ¹⁾
with labelling field.**
With down-leading outlet.
For IBM ACS-/Reichle & De-Massari dual connection moduls together with modul module supports 1801 EB-10 or 1801 EB-16.
Size of labelling field: 41.5 x 10 mm.
Without claw.

214 alpine white	1801-214	1753-0-8162	10
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1) Lettering sheets 1799, 1799 05 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ ²⁾ with labelling field. With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LWL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.				Cover plate ¹⁾ with labelling field. With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
214 alpine white	1802-214	1753-0-8188	10	214 alpine white	1769-214	1753-0-8790	10
1) Lettering sheets 1799, 1799 05 and lettering software. 2) Thomas & Betts Clips 025-1099-1BK (black), IBM 58 G 6873 025-1099-1W (white), IBM 58 G 6965 IBM MiniC Clips 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)				1) Labelling sheets 1799, 1799 02 and labelling software.			
	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 41.5 x 10 mm.				Cover plate With metal mounting plate As cover for 25-pole D-subminiature connectors. Without claw.		
214 alpine white	1800-214	1753-0-8030	10/100	214 alpine white	2549-214	1724-0-0962	10
1) Lettering sheets 1799, 1799 05 and lettering software.				1) For Neutrik plug connectors of series D and Speakon, use DKS system with base plate 1876 EB.			
	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.				XLR centre plate ¹⁾ As cover for Neutrik data connectors, type FP. Without claw.		
214 alpine white	2561-214	1753-0-3833	10/100	214 alpine white	2553-214	1724-0-1127	10
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.				Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
214 alpine white	2561-02-214	1753-0-3965	10	214 alpine white	2530-214	1724-0-1119	10
	Intermediate ring For using round combi-devices (45 mm diameter) in cover frame.				Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
214 alpine white	2519-214	1726-0-0025	10	214 alpine white	2529-214	1710-0-1076	10
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.				Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
214 alpine white	1746-214-101	1726-0-0181	10/100	214 alpine white	2095 UC-214	2495-0-0059	10/100
	Cover plate With metal mounting plate With screw-type terminal. As cover for devices with a diameter of 19 mm, especially for potential balancing jack 0471-0-0037. Without claw.						
				214 alpine white	2534-214	1724-0-1168	10

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
With metal mounting plate
 With screw-type terminal.
 Fixed with central locknut.
 As cover for pilot devices with a diameter of 22.5 mm
 Without claw.

214 alpine white	2533-214	1724-0-1150	10
yellow	2533-214-15	1724-0-2696	10/100



Cover plate ¹⁾
With metal mounting plate
 for communication devices.
 with labelling field 53.7 x 11.7 mm.
 Without claw.

214 alpine white	1758-214	1724-0-1663	10/100
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1) Labelling sheets 1799,1799 02,1799 19 and labelling software.



SCHUKO® socket outlet ¹⁾ ²⁾
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	20 EUC-214	2011-0-1888	10/100
217 red	20 EUC-217	2011-0-2027	10/100

1) Terminals suitable for loop through connection.
 2) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch Duro 2000® SI.



SCHUKO® socket outlet ¹⁾
with round supporting frame
 With screwless terminal.
 2 P + E
 For trunking.
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	20 EUCRD-214	2011-0-2183	10
217 red	20 EUCRD-217	2011-0-2217	10

1) Terminals suitable for loop through connection.



SCHUKO® socket outlet ¹⁾ ²⁾
Shuttered
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	20 EUCKS-214	2013-0-4656	10/100
215 black	20 EUCKS-215	2013-0-4706	10/100
217 red	20 EUCKS-217	2013-0-4722	10

1) Terminals suitable for loop through connection.
 2) Increased shock protection .



Busch-Protector® SCHUKO® socket outlet ¹⁾
With overvoltage protection.
 2 P + E
 With integrated and external signalling contact.
 ISN = 5 kA
 Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
 Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
 Arrester test class: classification Type 2
 Rated voltage: 250 V~
 Secondary: 250 V~
 Rated current: 16 A

214 alpine white	2310EUGL/VA-214-11	2011-0-3817	1/10
217 red	2310EUGL/VA-217-11	2011-0-3818	1/10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-socket outlet ¹⁾
 With screwless terminal.
 2 P + E
 With extract mechanism.
 Tested by the society, Gesellschaft für Gerontotechnik.
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	20 EUCDR-214	2011-0-2605	10
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1) Terminals suitable for loop through connection.



FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) ¹⁾ ²⁾ ³⁾
With integrated earth leakage breaker.
 Shuttered.
 Flush-mounted SCHUKOMAT, VDE 0664.
 DP cut off (P,N)
 Without PE monitoring.
 Rated actuating current: 30 mA. Release time: ≤ 30 ms.
 Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs.
 Without claw fixation.
 Rated frequency: 45-60 Hz.
 Rated voltage: 230 V~
 Rated current: 16 A
 Protection class (Device): IP 21
 Temperature range (Device): -25 °C to 40 °C

214 alpine white	3118 EUCKS-214	3116-0-0605	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
 3) Increased shock protection .



FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) ¹⁾ ²⁾ ³⁾
With integrated earth leakage breaker.
 Shuttered.
 DP cut off (P,N)
 Without PE monitoring.
 With connecting conductor and protection of downstream socket outlets.
 Rated actuating current: 30 mA. Release time: ≤ 30 ms.
 Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs.
 Without claw fixation.
 Rated frequency: 45-60 Hz.
 Rated voltage: 230 V~
 Rated current: 16 A
 Protection class (Device): IP 21
 Temperature range (Device): -25 °C to 40 °C

214 alpine white	3120 EUCKS-214	3116-0-0621	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
 3) Increased shock protection .




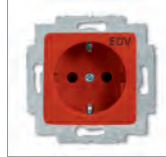




Buschmat FI - Insert ¹⁾ ²⁾
With earth leakage breaker with connecting conductor.
 Protection of downstream consumers.
 Rated actuating current: 30 mA. Release time: ≤ 30 ms.
 Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs.
 Without claw fixation.
 Rated frequency: 45-60 Hz.
 Rated voltage: 230 V~
 Rated current: 16 A
 Protection class (Device): IP 21
 Temperature range (Device): -25 °C to 40 °C

214 alpine white	3150 UC-214	3117-0-0002	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2)} With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUCBL-214	2013-0-5281	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			
	SCHUKO® socket outlet Busch-steplight® ^{1) 2)} Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUCBLI-214	2013-0-5291	1
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			
	Busch-Object socket outlet® ^{1) 2)} With screw-on supporting frame. Complete cover. With screwless terminal. 2 P + E Incl. Cover plate with extract mechanism. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUA-214	2011-0-3629	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Separat installation only possible.			
	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUK-214	2018-0-0778	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet ^{1) 2)} With hinged lid and labelling field With screwless terminal. 2 P + E Hinged lid notches when opened. Size of labelling field: 51 x 10 mm. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUKN-214	2018-0-0885	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) See labelling sheet 1799 xx.			
	SCHUKO® socket outlet With hinged lid. With screwless terminal. 2 P + E With different lock mechanism. Delivery includes 2 keys. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUKSL-214	2018-0-1289	10

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet With hinged lid. With screwless terminal. 2 P + E With evenly engaging lock. Delivery includes 2 keys. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUKSL-214-101	2018-0-1479	10
	SCHUKO® socket outlet ¹⁾ With marking "EDV" With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUC/DV-214	2011-0-3074	10/100
217 red	20 EUC/DV-217	2011-0-2167	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet ^{1) 2)} With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUCQ-214	2011-0-2829	10
217 red	20 EUCQ-217	2011-0-2852	10
1) Can only be used in SI frames with adapter 1746-.... 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 3) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch Duro 2000® SI.			
	SCHUKO® socket outlet ^{1) 2)} With marking "EDV" With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUCQ/DV-214	2011-0-2902	10
217 red	20 EUCQ/DV-217	2011-0-2886	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Can only be used in SI frames with adapter 1746-....			
	Three-step rotary switch 1 pole, without zero position Rated voltage: 250 V~ Rated current: 10 AX		
214 alpine white	2711 UCDRL-214	1164-0-0144	10
	Cover plate For room thermostat with break contact for room thermostat 1094 U, 1097 U		
214 alpine white	1794-214	1710-0-3531	10/100

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
For room thermostat**
With sliding switch for nightly room temperature reduction for room thermostat 1095 U, 1096 U

214 alpine white	1795-214	1710-0-3556	10
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**Cover plate
For room thermostat**
For room thermostat 1094 UTA, 1097 UTA

214 alpine white	1794 TA-214	1710-0-3683	10/100
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**Cover plate
For room thermostat**
With sliding switch for nightly room temperature reduction for room thermostat 1095 UTA, 1096 UTA

214 alpine white	1795 TA-214	1710-0-3710	10
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WaveLINE LED display ^{1) 2)}
For status display of window handle positions: open = red, closed = green, tilted = yellow.
Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
4 individual LED display channels.
Up to 8 WaveLine transmitters can be taught-in on each LED display channel.
Up to 8 WaveLine transmitters can be taught-in on onsite operation.
After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
Status display for depleted WaveLINE transmitter battery.
Status display for faulty transmission link and defective WaveLINE transmitter.
User-friendly start-up without PC / software.
Printed labelling sheet with 8 different inlay sheets.
For WaveLINE window position sensor 6720-6x.
For WaveLINE 6721-xx universal signalling unit.
For Busch Watchdog 220 WaveLINE 6745 AGM.
For Busch-Universal relay switch insert 6404 U.
For universal dimmer switch insert 6595 U.
Range in free field: approx. 100 m
Send/receive frequency: 868 MHz.
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 54 mm x 54 mm

214 alpine white	6730-214	6730-0-0002	1
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- 1) See labelling sheet 1799 xx.
- 2) See labelling sheet 1799/0x.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾
With select-lens
For automatic switching of devices dependent on motion and brightness.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For Dimmer insert 6593 U.
For extension insert 6805 U.
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Surveillance density: 18 sectors with 72 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Detection range: frontal: 12 m, lateral: 8 m
Detection angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , Daytime operation
Mounting height: 0.8 m - 1.2 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

214 alpine white	6800-214-104-500	6800-0-2165	1
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- 1) Please order the respective flush mounted insert separately.



Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)}
With multi-lens
For automatic switching of devices dependent on motion and brightness.
For down-to-ground detection.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For Dimmer insert 6593 U.
For extension insert 6805 U.
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Surveillance density: 28 sectors with 112 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Detection range: frontal: 15 m, lateral: 5 m
Detection angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , Daytime operation
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C








214 alpine white	6800-214-104M	6800-0-2083	1/10
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- 1) installation: slide switch top.
- 2) Please order the respective flush mounted insert separately.



Surface mounting box
Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.

1-gang box			
214 alpine white	1701-214	1799-0-0295	10/100
217 red	1701-217	1799-0-0329	10
2-gang box			
214 alpine white	1702-214	1799-0-0345	10
217 red	1702-217	1799-0-0378	10
3-gang box			
214 alpine white	1703-214	1799-0-0394	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Trunking adaptors For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan. Trunking dimension: 15 x 15 mm to 19 x 19 mm.		
214 alpine white	2087-214	1761-0-1236	10
	Cable entry For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan.		
214 alpine white	2088-214	1761-0-1301	10
	Cover 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
214 alpine white	2115 J-214	6599-0-0229	10
1) Replacement neon lamp, Art. No. 3855.			
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
214 alpine white	2542 JDR-214	1753-0-2462	10
	SCHUKO® socket outlets 1) With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUJ-214	2011-0-1896	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUJKS-214	2013-0-4664	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Increased shock protection .			
	SCHUKO® socket outlet 1) 2) With screw-on mounting plate 2 P + E Complete unit in SI design screw-on mounting plate 90 x 90 mm Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUJSR-214	2011-0-3132	1
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Separat installation only possible.			

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet 1) Shuttered With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
214 alpine white	2310 EUGL/VAB-214	2013-0-5321	1
NEW			
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet 1) Shuttered With "EDV" imprint. With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUC/DVKS-214	2013-0-5320	10
NEW			
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet 1) With hinged lid. Shuttered. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUKB-214	2013-0-5314	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet 1) 2) With hinged lid and labelling field Shuttered. With screwless terminal. 2 P + E Hinged lid notches when opened. Size of labelling field: 51 x 10 mm. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUKNB-214	2013-0-5318	10
NEW			
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) See labelling sheet 1799 xx.			
	SCHUKO® socket outlet 1) Shuttered Without claw. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EURKS-214	2013-0-5319	10/100
NEW			
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

Product	Article-No.	Order-No.	Pack/Qty
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Double SCHUKO® socket outlets ¹⁾
 With screwless terminal.
 2 P + E
 Suitable for 1-gang flush-mounted boxes.
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	20-02 EUJ-214	2014-0-1007	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



Double SCHUKO® socket outlets ^{1) 2)} Shuttered
 With screwless terminal.
 2 P + E
 Suitable for 1-gang flush-mounted boxes.
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	20-02 EUJKS-214	2021-0-0343	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Increased shock protection .



Combination ¹⁾ SCHUKO® socket outlet, with rocker switch
 2 P + E
 Rocker Switch 10 A, 250 V.
 1gang, 2way
 Rated voltage: 250 V~
 Rated current: 16 A

214 alpine white	4310/6 EUJ-214	1611-0-0169	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



Pull cord switch 1gang 2way
 with screw-type terminals,
 Rated voltage: 250 V~
 Rated current: 10 AX

214 alpine white	2610/6 UJ-214	1315-0-0027	10
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Busch Nema socket outlet with cover plate ¹⁾
 For wall box 58 mm with screw fixation.
 Without claw.
 Rated voltage: 125 V~
 Rated current: 15 A

214 alpine white	3015 EUC-214	2125-0-0052	10
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214 alpine white	3016 EUC-214-101	2122-0-0030	10/100
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1) Use in accordance with US Standard (e.g. in US military barracks).



Socket Outlet Cover Shuttered
 For socket outlet insert 20 M-500.
 Rated voltage: 250 V~

214 alpine white	2399 UCKS-214	2099-0-0208	10
215 black	2399 UCKS-215	2099-0-0235	10
217 red	2399 UCKS-217	2099-0-0236	10

Product	Article-No.	Order-No.	Pack/Qty
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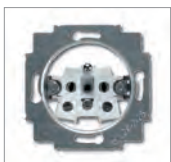


Socket outlet ¹⁾ with earth pin
 With screwless terminal.
 Suitable for the countries: Belgium, Poland, Czech Republic.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

NEW

20 M-500	2017-0-0854	10/100
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1) Insert can be used for all covers 2399 UCKS-xx.



Socket outlet With earthing pin
 With screw-type terminal.
 Suitable for the countries: Belgium, Poland, Czech Republic.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

23 M-504	2017-0-0841	10/100
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Busch Nema socket outlet with cover plate ¹⁾ DP (2 P + E)
 With hinged lid.
 For wall box 58 mm with screw fixation.
 Without claw.
 Rated voltage: 125 V~
 Rated current: 20 A

Reflex SI

214 alpine white	3016 EUK-214	2122-0-0032	10
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1) Use in accordance with US Standard (e.g. in US military barracks).



Socket outlet With earthing pin
 With screwless terminal.
 Suitable for the countries like Poland, Czech Republic.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

Reflex SI

214 alpine white	20 MUC-214-500	2017-0-0810	10/100
217 red	20 MUC-217-500	2017-0-0812	10



Socket outlet ^{1) 2)} With earthing pin
 With screwless terminal.
 Shuttered.
 Suitable for the countries like Poland, Czech Republic.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

Reflex SI

214 alpine white	20 MUCKS-214-500	2017-0-0834	10
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1) Socket outlet with integrated child protection. Replaces the usual term"...with child protection".
 2) Order-bound manufacturing




Socket outlet ¹⁾ With earthing pin
 With screw-type terminal.
 Shuttered.
 Suitable for the countries: Belgium, Poland, Czech Republic.
 2 P + E
 Rated voltage: 250 V~


Reflex SI


214 alpine white	23 MUCKS-214-500	2017-0-0839	10
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1) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screwless terminal. with hinged lid Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~		
214 alpine white	20 MUCKD-214-500	2017-0-0771	10/100


	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 MUCC-214-500	2017-0-0827	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame For vertical or horizontal installation.		
	1gang frame		
214 alpine white	2511-214	1725-0-0928	10/100
217 red	2511-217	1725-0-1058	10
	2gang frame		
214 alpine white	2512-214	1725-0-0936	10/100
217 red	2512-217	1725-0-1082	10
	3gang frame		
214 alpine white	2513-214	1725-0-0944	10/100
	4gang frame		
214 alpine white	2514-214	1725-0-0951	10/100
	5gang frame		
214 alpine white	2515-214	1725-0-0969	10


	Cover frame 1gang frame With marking "Heizung-Notschalter". For vertical or horizontal installation.		
214 alpine white	2511 JH-214	1725-0-1009	10

	Cover frame ^{1) 2)} 1gang frame With labelling field and label holder.		
214 alpine white	1721 NS-214	1754-0-2155	10/100


1) See labelling sheet 1799 xx.
2) See label holder.


	Cover frame ^{1) 2)} 2gang frame With labelling field and label holder. Vertical.		
214 alpine white	1722 NS-214	1754-0-2163	10
	3gang frame		
214 alpine white	1723 NS-214	1754-0-3724	10


1) See labelling sheet 1799 xx.
2) See label holder.

	Cover frame ^{1) 2)} 2gang frame With labelling field and label holder. Horizontal		
214 alpine white	1732 NS-214	1754-0-2171	10
	3gang frame		
214 alpine white	1733 NS-214	1754-0-3732	10

1) See labelling sheet 1799 xx.
2) See label holder.


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame With hinged lid.		
214 alpine white	2518-214	1719-0-0061	10

	Label holder For replacement purposes For outer edge of frame.		
	1761	1799-0-0154	10
	1760	1799-0-0162	10


Product	Article-No.	Order-No.	Pack/Qty
	Reflex SI Linear Frames With small corner radii for trunking systems.		
	1gang frame		
214 alpine white	2511-214K-102	1725-0-1494	10/100
217 red	2511-217K-102	1725-0-1499	10
	2gang frame		
214 alpine white	2512-214K-102	1725-0-1495	10/100
217 red	2512-217K-102	1725-0-1500	10
	3gang frame		
214 alpine white	2513-214K-102	1725-0-1496	10/100
	4gang frame		
214 alpine white	2514-214K-102	1725-0-1497	10
	5gang frame		
214 alpine white	2515-214K-102	1725-0-1498	10

	Reflex SI Linear cover frame ^{1) 2)} 1gang frame With labelling field and label holder.		
214 alpine white	1721 NSKA-214	1754-0-4058	10/100














1) See labelling sheet 1799 xx.
2) See label holder.


	Cover frame ^{1) 2)} With labelling field and label holder. Vertical.		
	2gang frame		
214 alpine white	1722 NSKA-214	1754-0-4059	10
	3gang frame		
214 alpine white	1723 NSKA-214	1754-0-4061	10
	4gang frame		
214 alpine white	1724 NSKA-214	1754-0-4063	1


1) See labelling sheet 1799 xx.
2) See label holder.

	Cover frame ^{1) 2)} With labelling field and label holder. Horizontal		
	2gang frame		
214 alpine white	1732 NSKA-214	1754-0-4060	10
	3gang frame		
214 alpine white	1733 NSKA-214	1754-0-4062	10
	4gang frame		
214 alpine white	1734 NSKA-214	1754-0-4064	1


1) See labelling sheet 1799 xx.
2) See label holder.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.				Switch rocker screwable (fixing element) For flush mounted switch 2g 1w, 2g push switch		
212 white	2506-212	1731-0-0223	10/100	212 white	2545-212	1434-0-0430	10
	Braille symbol self-adhesive (transparent) for cover 2506-xxx				Switch rocker with neutral symbol screwable (fixing element) with marking. As cover for flush mounted switch 1g1w DP and 3pole with neon lens and marking "I O"		
Light 2144 LI	1714-0-0295	100/1000		212 white	2544-212	1434-0-0455	10
Bell 2144 KI	1714-0-0296	100/1000					
Key 2144 TR	1714-0-0297	100/1000					
	Braille symbol Socket outlet self-adhesive, transparent for SCHUKO® socket outlets with hinged lid 20 EUK-xxx				Switch rocker with closed surface As cover for flush-mounted cover push switch 42 V. For insert 2031 flush-mounted. Without fixing element.		
2144 ST	1714-0-0298	100/1000		212 white	2506 O-212	1731-0-1395	10
	Switch rocker with closed surface 2way DP, 3-pole with marking.				Switch rocker with symbol mounting hole 1) 1gang 1way, 1gang 2way, intermediate, push switch As cover for flush mounted switch 1gang,2way, intermediate switch, pull switch and push switch.		
212 white	2502-212-500	1731-0-0330	10	212 white	2520-212-506	1731-0-0413	10/100
	Switch rocker For flush mounted switch 2g 1w, 2g push switch			1) for symbols 2525... and 2145...			
212 white	2505-212-500	1731-0-0363	10/100		Symbol for push switch For cover 2520-... For SM switch button 2601 For SM push button 2601 For switch 2006 and 1020/2... and push switch 2026...		
	Switch rocker Control switch 2way With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch.			212 white	2525 N	1433-0-0416	100
212 white	2509-212-500	1731-0-0355	10/100	212 white	2525 LI	1433-0-0424	100
	Switch rocker With red neon lens and marking As cover for flush mounted control 1g1w, DP.			212 white	2525 KI	1433-0-0432	100
212 white	2508-212	1731-0-0249	10	212 white	2525 TR	1433-0-0440	100
	Switch rocker with neutral symbol screwable (fixing element) For flush mounted switch 1g1w, 1g2w, intermediate, push switch.			transparent	red 2525-12	1433-0-0457	100
212 white	2546-212	1434-0-0448	10	clear-transparent	Symbol for push switch, transparent "Light" 2145 LI	1714-0-0211	100
				clear-transparent	"Bell" 2145 KI	1714-0-0229	100
				clear-transparent	"Key" 2145 TR	1714-0-0237	100
				transparent	red 2145-12	1714-0-0245	100
				clear-transparent	without symbol 2145 N	1714-0-0203	100


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Switch rocker With symbol For flush mounted push switch.</p> <p>Light</p>	212 white	2520 LI-212	1731-0-0272	10/100
	212 white	Bell 2520 KI-212	1731-0-0280	10/100
	212 white	Key 2520 TR-212	1731-0-0298	10/100

 <p>Switch rocker ^{1) 2) 3)} with labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm. Illuminable.</p>	212 white	2506 N-212	1731-0-0561	10/100
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- 1) The labels are clamped under the labelling field.
- 2) See labelling sheet 1799 xx.
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

 <p>Switch rocker ^{1) 2) 3)} with labelling field. With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.</p>	212 white	2510 NLI-212	1731-0-1445	10
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- 1) See labelling sheet 1799 xx.
- 2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

 <p>Switch rocker ^{1) 2) 3)} with labelling field. With bell symbol For flush mounted push switch. Size of labelling field: 51 x 10 mm.</p>	212 white	2506 N/KI-212	1731-0-0629	10/100
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- 1) The labels are clamped under the labelling field.
- 2) See labelling sheet 1799 xx.
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

 <p>Switch rocker ^{1) 2) 3) 4)} Illuminable, with labelling field For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 25 x 37 mm.</p>	212 white	2510 N-212-500	1731-0-0405	10
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- 1) Large labelling field for names, symbols, instructions. Easy mounting due to insertion of label from the rear side.
- 2) 40 different type styles are enclosed with the covers
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
- 4) See labelling sheet 1799 xx.

 <p>Cover plate ¹⁾ For insert 2200 UJ-212. For the use of the rotary dimmer in combination.</p>	212 white	2110 C-212	1717-0-0065	10
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- 1) Non-illuminable.

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>	212 white	2115 J-212	6599-0-1326	10


- 1) Replacement neon lamp, Art. No. 3855.

 <p>Control element ^{1) 2) 3)} With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U</p>	212 white	6543-212-102	6599-0-2815	1/10
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- 1) Compatible with previous type 6543-xxx.
- 2) Touch-type Controller 6550 U-xxx non-illuminable.
- 3) Replacement neon lamp 3857.


 <p>Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.</p>	212 white	6545-212	6599-0-2888	1/10
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- 1) Replacement neon lamp 3857.












 <p>Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>	212 white	2115-212	6599-0-1334	10/100
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- 1) Replacement neon lamp, Art. No. 3855.

 <p>Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.</p>	212 white	2114-212	6599-0-1193	10
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 <p>Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	212 white	6815-212	6800-0-2271	1/10
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- 1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C				Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
212 white	6800-212-104-500	6800-0-2164	1	212 white	2542 DR/01-212	1710-0-3108	10
1) Please order the respective flush mounted insert separately.					Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
				212 white	2542 DR/02-212	1710-0-3419	10
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C				Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/ push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
212 white	6800-212-104M-500	6800-0-2166	1	212 white	2557 PZ-212-101	1710-0-1332	10
1) installation: slide switch top. 2) Please order the respective flush mounted insert separately.					Cover plate With marking As cover for flush-mounted key switch. For insert 2733 USL-101.		
				212 white	2557 SLPZ-212-101	1710-0-1340	10
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.				Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
212 white	2504-212	1713-0-0155	10/100	212 white	6430-212-102	6430-0-0313	1/10
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.				Cover plate 1) With rotary knob For comfort blinds insert 6419 U. Busch-Duro 2000® SI		
212 white	2542 DR-212	1753-0-0599	10	212 white	6436-212	6430-0-0354	10
				1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.			
					Cover plate 1) For Busch-Wind and sun blind switch insert 6480 U-10x.		
				212 white	1775 S/W-212-101	1710-0-3122	10
				*) Phase-out type			

Product Article-No. Order-No. Pack/Qty



Cover plate
For Comfort timer control element 6455.
For Standard timer control element 6456.
For room temperature controller 1098 U-101 and 1098 UF-101.

212 white **6435-212** 6430-0-0285 10/100



Cover plate
For Busch-Short-time timer insert 6465 U.

212 white **1773-212** 1753-0-1886 10



Cover plate
For Busch-Short-time timer insert 6465 U.
Only Start/Stop button can be operated.

212 white **1773/10-212** 1724-0-2547 10



Cover plate
With rotary knob, with marking.
For Busch Timer insert 1070 U.
Running time: 15 min

212 white **1770-212-102** 1753-0-6059 10



Cover plate
With rotary knob, with marking.
For Busch Timer insert 1071 U.
Running time: 120 min

212 white **1771-212-102** 1753-0-6208 10



Cover plate 1) 2)
As cover for flush mounted info light.
For insert 2062 U.
Size of information field 43 x 43 mm.

212 white **2562-212** 1731-0-1919 1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.



Cap
For indication lamp
As cover for flush-mounted light signal.
For insert 2061/2661 U.
Transparent

clear-transparent	2526-11	1512-0-0193	10
red	2526-12	1512-0-0201	10
green	2526-13	1512-0-0219	10
orange	2526-14	1512-0-0227	10

Product Article-No. Order-No. Pack/Qty



Blank plate
With metal mounting plate

212 white **2538-212** 1715-0-0218 10/100



Cover plate 1)
With metal mounting plate
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).

212 white **2527-212** 1710-0-0623 10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).



Cover plate
As cover for universal data connection boxes.
Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck.
Brand-Rex (WAEGV 8 EKR/EK).
BTR (universal data connecting unit design and IAE design).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.

212 white **1803-212** 1753-0-8949 10



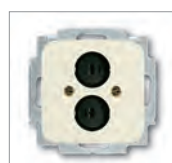
Cover plate
2gang
As cover for universal data connection boxes.
Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck.
Brand-Rex (WAEGV 8/8 EKR/EK).
AMP (NETCONNECT 5E).
BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design).
cti (cti-wire 2.8 Cat.6).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.

212 white **1803-02-212** 1753-0-8956 10



Cover plate
for telephone connection unit
For loudspeaker connection box
Suitable for part number 0248/Ox-101.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

212 white **2539-212** 1724-0-0434 10/100















Cover plate
With metal mounting plate
loudspeaker inserts and cover.
fixing claws
Conductor cross-sections up to 4 mm² rigid.
With screw-type terminal.


212 white **2147 U-212** 1723-0-0063 10




Cover plate
As cover for telephone connector boxes (VDo).
can be knocked out for single or double connection.

212 white **2536-212** 1724-0-0244 10


Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover plate Suitable for telecommunication (ADo), telephone sockets, as well as for teletypewriter, data transfer devices and modem plugs.				Cover plate 1) 2) with labelling field. With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LWL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
212 white	2535-212	1724-0-0236	10	212 white	1802-212	1753-0-8170	10
	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.			1) Lettering sheets 1799, 1799 05 and lettering software. 2) Thomas & Betts Clips 025-1099-1BK (black), IBM 58 G 6873 025-1099-1W (white), IBM 58 G 6965 IBM MiniC Clips 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)			
212 white	2531-212	1724-0-0194	10/100				
1) See inserts for satellite coaxial socket outlets.							
	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.				Cover plate 1) with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 41.5 x 10 mm.		
212 white	1743-03-212	1724-0-1747	10/100	212 white	1800-212	1753-0-8022	10/100
1) See inserts for satellite coaxial socket outlets.				1) Lettering sheets 1799, 1799 05 and lettering software.			
	Cover plate 1) 2) 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet EVU 02 F, GEVU 15 S from Hirschmann. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.				Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
212 white	1743-04-212	1753-0-8626	10	212 white	2561-212	1753-0-3825	10/100
1) See adapter ring 1746/10x. 2) Suitable for programs Busch-Duro 2000® SI: -212, <i>alpha</i> nea®, <i>alpha</i> exclusive®: -22G, future®, future® linear, carat®: -82, <i>impuls</i> : -72.							
	Cover plate 1) 2) 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet SAT400/ EAS/DC, EAS 405, 413 DAS from Ankaro. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.				Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. No. 0210 and 0211. Without claw.		
212 white	1743/10-04-212	1753-0-8634	10	212 white	2561-02-212	1753-0-3957	10/100
1) See adapter ring 1746/10x. 2) Suitable for programs Busch-Duro 2000® SI: -212, <i>alpha</i> nea®, <i>alpha</i> exclusive®: -22G, future®, future® linear, carat®: -82, <i>impuls</i> : -72.							
	Cover plate 1) with labelling field. With down-leading outlet. For IBM ACS-/Reichle & De-Massari dual connection moduls together with modul module supports 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.				Intermediate ring For using round combi-devices (45 mm diameter) in cover frame.		
212 white	1801-212	1753-0-8154	10	212 white	2519-212	1726-0-0066	10
1) Lettering sheets 1799, 1799 05 and lettering software.					Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
				212 white	1746-212-101	1726-0-0173	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
212 white	1769-212	1753-0-8782	10


1) Labelling sheets 1799,1799 02 and labelling software.


	Cover plate ¹⁾ With metal mounting plate As cover for 25-pole D-subminiature connectors. Without claw.		
212 white	2549-212	1724-0-0616	10


1) Suitable for data connector 0202.


	XLR centre plate ¹⁾ As cover for Neutrik data connectors, type FP. Without claw.		
212 white	2553-212	1724-0-0624	10

1) For Neutrik plug connectors of series D and Speakon, use DKS system with base plate 1876 EB.


	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
212 white	2530-212	1724-0-0186	10

	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
212 white	2529-212	1710-0-0698	10


	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
212 white	2095 UC-212	2495-0-0026	10


	Cover plate With metal mounting plate With screw-type terminal. As cover for devices with a diameter of 19 mm, especially for potential balancing jack 0471-0-0037. Without claw.		
212 white	2534-212	1724-0-0228	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
212 white yellow	2533-212 2533-214-15	1724-0-0210 1724-0-2696	10 10/100


	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
212 white	1758-212	1724-0-1002	10/100

1) Labelling sheets 1799,1799 02,1799 19 and labelling software.


	Pull cord switch 1gang 2way with screw-type terminals, Rated voltage: 250 V~ Rated current: 10 AX		
212 white	2610/6 UJ-212-500	1315-0-0415	10/100

	Combination ¹⁾ SCHUKO® socket outlet, with rocker switch With screw-type terminal. 2 P + E Rocker Switch 10 A, 250 V. 1gang, 2way Rated voltage: 250 V~ Rated current: 16 A		
212 white	4310/6 EUJ-212-500	1611-0-0110	10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUC-212-500	2011-0-2647	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCKS-212	2013-0-4375	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ with round supporting frame With screwless terminal. 2 P + E For trunking. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCRD-212	2011-0-1342	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	green (SV) RAL 6018 orange (ZSV) RAL 2004	20 EUC-13-212 20 EUC-14-212	2011-0-1326 2011-0-1334

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ with marking With screwless terminal. 2 P + E With continuous coloured marking of cover plate and base. Rated voltage: 250 V~ Rated current: 16 A		
	green (SV) RAL 6018 orange (ZSV) RAL 2004	20 EUC-13-212-102 20 EUC-14-212-102	2011-0-2225 2011-0-2233


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	Busch-Protector® SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrester test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
	212 white	2310EUGL/VA-212-11	2011-0-3816


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) ¹⁾ ²⁾ ³⁾ With integrated earth leakage breaker. Shuttered. Flush-mounted SCHUKOMAT, VDE 0664. DP cut off (P,N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
	212 white	3118 EUCKS-212	3116-0-0597


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
 3) Increased shock protection .

	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) ¹⁾ ²⁾ ³⁾ With integrated earth leakage breaker. Shuttered. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
	212 white	3120 EUCKS-212	3116-0-0613


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
 3) Increased shock protection .

	Buschmat FI - Insert ¹⁾ ²⁾ With earth leakage breaker with connecting conductor. Protection of downstream consumers. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. DP cut off (P,N) Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
	212 white	3150 UC-212	3117-0-0001

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.

	SCHUKO® socket outlet ¹⁾ With control light with LED, 2 P + E Rated voltage: 250 V~ Rated current: 16 A			
	212 white	20 EUCGL-212	2011-0-3858	10
	green (SV) RAL 6018 orange (ZSV) RAL 2004	20 EUCGL-13-212 20 EUCGL-14-212	2011-0-3860 2011-0-3861	10 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ¹⁾ ²⁾ With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A			
	212 white	20 EUCBL-212	2013-0-5280	10
	green (SV) RAL 6018 orange (ZSV) RAL 2004	20 EUCBL-13-212 20 EUCBL-14-212	2013-0-5282 2013-0-5283	10 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

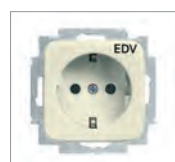
Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet Busch-steplight® 1) 2)
Night orientation light
 with separate connection cables for switch contact.
 with LED.
 Shuttered.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUCBLI-212	2013-0-5290	10
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.



SCHUKO® socket outlet
With marking "EDV"
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

Busch-Duro 2000® SI 2)

212 white	20 EUC/DV-212	2011-0-2159	10/100
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With coloured base

217 red	20 EUC/DV-217	2011-0-2167	10/100
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2)
 With screwless terminal.
 2 P + E
 With cover 50 x 50 mm.
 Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUCQ-212	2011-0-2720	10
green (SV) RAL 6018	20 EUCQ-13-212	2011-0-2860	10
orange (ZSV) RAL 2004	20 EUCQ-14-212	2011-0-2878	10
217 red	20 EUCQ-217	2011-0-2852	10

- 1) Can only be used in SI frames with adapter 1746-....
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2)
With marking "EDV"
 With screwless terminal.
 2 P + E
 With cover 50 x 50 mm.
 Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUCQ/DV-212	2011-0-2894	10
217 red	20 EUCQ/DV-217	2011-0-2886	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Can only be used in SI frames with adapter 1746-....



Busch-Socket outlet 1)
 With screwless terminal.
 2 P + E
 With extract mechanism.
 Tested by the society, Gesellschaft für Gerontotechnik.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUCDR-212	2011-0-2597	10/100
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Object socket outlet® 1) 2)
With screw-on supporting frame.
 Complete cover.
 With screwless terminal.
 2 P + E
 Incl. Cover plate with extract mechanism.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUA-212	2011-0-3397	10
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Separat installation only possible.



SCHUKO® socket outlet 1)
With hinged lid.
 With screwless terminal.
 2 P + E
 Hinged lid notches when opened.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUK-212	2018-0-0596	10/100
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2) 3)
With hinged lid and labelling field
 With screwless terminal.
 2 P + E
 Hinged lid notches when opened.
 Size of labelling field: 51 x 10 mm.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUKN-212	2018-0-0604	10
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) The labels are clamped under the labelling field.
- 3) See labelling sheet 1799.xx.



SCHUKO® socket outlet
With hinged lid.
 With screwless terminal.
 2 P + E
 With different lock mechanism.
 Delivery includes 2 keys.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUKSL-212	2018-0-1222	10
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SCHUKO® socket outlet
With hinged lid.
 With screwless terminal.
 2 P + E
 With evenly engaging lock.
 Delivery includes 2 keys.
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	20 EUKSL-212-101	2018-0-1474	10
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Busch-Protector® SCHUKO® socket outlet 1)
Shuttered
 With overvoltage protection.
 2 P + E
 With integrated and external signalling contact.
 ISN = 5 kA
 Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
 Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
 Arrestor test class: classification Type 2
 Rated voltage: 250 V~
 Secondary: 250 V~
 Rated current: 16 A

212 white	2310 EUGL/VAB-212	2013-0-5315	1
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet ¹⁾
Shuttered
 With "EDV" imprint.
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

212 white **20 EUC/DVKS-212** 2013-0-5313 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet ¹⁾
Shuttered
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

13 green **20 EUCKS-13-212** 2013-0-5309 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet
with marking
 Shuttered.
 2 P + E
 With screwless terminal.
 With continuous coloured marking of cover plate and base.
 Rated voltage: 250 V~
 Rated current: 16 A

13 green **20 EUCKS-13-212-10** 2013-0-5316 10



SCHUKO® socket outlet ¹⁾
Shuttered
 2 P + E
 With screwless terminal.
 Rated voltage: 250 V~
 Rated current: 16 A

14 orange **20 EUCKS-14-212** 2013-0-5310 10

1) Terminals of the socket outlet suitable for loop connection in accordance with VDE 0620-1.



SCHUKO® socket outlet
with marking
 Shuttered.
 2 P + E
 With screwless terminal.
 With continuous coloured marking of cover plate and base.
 Rated voltage: 250 V~
 Rated current: 16 A

14 orange **20 EUCKS-14-212-10** 2013-0-5317 10



SCHUKO® socket outlet ¹⁾
Shuttered
 with hinged lid
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

13 green **20 EUKB-13-212** 2013-0-5307 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet ¹⁾
Shuttered
 with hinged lid
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

14 orange **20 EUKB-14-212** 2013-0-5308 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet ¹⁾
Shuttered
 With screwless terminal.
 2 P + E
 with hinged lid
 Rated voltage: 250 V~
 Rated current: 16 A

212 white **20 EUKB-212** 2013-0-5306 10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet ¹⁾ ²⁾ ³⁾
Shuttered
 with hinged lid
 With labelling field 51 x 10 mm.
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

212 white **20 EUKNB-212** 2013-0-5311 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) The labels are clamped under the labelling field.
 3) See labelling sheet 1799 xx.



SCHUKO® socket outlet ¹⁾
Shuttered
 Without claw.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

212 white **20 EURKS-212** 2013-0-5312 10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



Three-step rotary switch
1 pole, without zero position
 Rated voltage: 250 V~
 Rated current: 10 AX

212 white **2711 UCDRL-212** 1164-0-0136 10/100



Cover plate
for room thermostat
 for room thermostat 1094 U, 1097 U

212 white **1794-212** 1710-0-3530 10/100




Cover plate
for room thermostat
 With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.


212 white **1795-212** 1710-0-3555 10




Cover plate
For room thermostat
 For room thermostat 1094 UTA, 1097 UTA

212 white **1794 TA-212** 1710-0-3682 10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
212 white	1795 TA-212	1710-0-3709	10

	WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-6x. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 54 mm x 54 mm		
212 white	6730-212	6730-0-0001	1

1) See labelling sheet 1799 xx.
2) See labelling sheet 1799/Ox.


	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
212 white	2542 JDR-212	1753-0-0615	10

	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUJKS-212-500	2013-0-4946	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .

	SCHUKO® socket outlet 1) 2) With screw-on mounting plate 2 P + E Complete unit in SI design screw-on mounting plate 90 x 90 mm Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUJSR-212	2011-0-3082	1/10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Separat installation only possible.

Product	Article-No.	Order-No.	Pack/Qty
	Double SCHUKO® socket outlets 1) With screwless terminal. 2 P + E Suitable for 1-gang flush-mounted boxes. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20-02 EUJ-212	2014-0-0991	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


	Double SCHUKO® socket outlets 1) 2) Shuttered With screwless terminal. 2 P + E Suitable for 1-gang flush-mounted boxes. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20-02 EUJKS-212	2021-0-0335	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .

	Surface mounting box Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.		
	1-gang box		
212 white	1701-212	1799-0-0287	10/100
	2-gang box		
212 white	1702-212	1799-0-0337	10
	3-gang box		
212 white	1703-212	1799-0-0386	1/10




	Trunking adaptors For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan. Trunking dimension: 15 x 15 mm to 19 x 19 mm.		
212 white	2087-212	1761-0-1228	10


	Cable entry For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan.		
212 white	2088-212	1761-0-1293	10

	Busch-Dimmer® 1) Complete unit in SI design with leading edge control for incandescent lamps and 230 V tungsten halogen lamps. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W IEC 60669-2-1, British Standard EN 60669-2-1		
212 white	2200 UJ-212	6514-0-0012	1/10
	Cover plate for rotary dimmer 2200 UJ-212, for combinations		
212 white	2110 C-212	1717-0-0065	10


1) Non-illuminable.


Product	Article-No.	Order-No.	Pack/Qty
	Busch Nema socket outlet with cover plate ¹⁾ For wall box 58 mm with screw fixation. Without claw. Rated voltage: 125 V~ Rated current: 15 A		
212 white	3015 EUC-212	2122-0-0018	10/100
212 white	2-pole (2 P + E), 15 A		
212 white	2-pole (2 P + E), 20 A	2122-0-0026	10/100
	3016 EUC-212		


1) Use in accordance with US Standard (e.g. in US military barracks).

	Busch-Nema Flush Mounted Twin Socket Outlet ¹⁾ For special wall box. Without claw. Rated voltage: 125 V~ Rated current: 15 A		
212 white	2-pole (2 P + E), 15 A		
	3015-02 EUI-212	2123-0-0016	10
212 white	2-pole (2 P + E), 20 A		
	3016-02 EUI-212	2123-0-0024	10

1) Use in accordance with US Standard (e.g. in US military barracks).

	Special Wall Box For Busch Nema flush mounted 2gang socket outlets.		
	3072	1745-0-0017	10

	Socket outlet With earthing pin With screwless terminal. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	Busch-Duro 2000® SI		
	20 MUC-212-500	2017-0-0809	10/100


	Socket outlet ¹⁾ ²⁾ With earthing pin With screwless terminal. Shuttered. Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	Busch-Duro 2000® SI		
	20 MUCKS-212-500	2017-0-0833	10

1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".
2) Order-bound manufacturing

	Socket outlet ¹⁾ With earthing pin With screw-type terminal. Shuttered. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~		
212 white	Busch-Duro 2000® SI		
	23 MUCKS-212-500	2017-0-0838	10/100


1) Increased shock protection.

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screwless terminal. with hinged lid Suitable for the countries like Poland, Czech Republic. 2 P + E Rated voltage: 250 V~		
212 white	Busch-Duro 2000® SI		
	20 MUCKD-212-500	2017-0-0770	10/100

	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	Busch-Duro 2000® SI		
	20 MUCC-212-500	2017-0-0826	10

	SCHUKO® socket outlets ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white			
	20 EUJ-212-500	2011-0-2654	10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
212 white			
	2196 EUC-212-500		

	Socket Outlet Cover Shuttered For socket outlet insert 20 M-500. Rated voltage: 250 V~		
212 white			
	2399 UCKS-212	2099-0-0207	10

	Socket outlet ¹⁾ with earth pin With screwless terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
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NEW

20 M-500 2017-0-0854 10/100

1) Insert can be used for all covers 2399 UCKS-xx.

	Socket outlet With earthing pin With screw-type terminal. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	23 M-504	2017-0-0841	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame For vertical or horizontal installation.		
212 white	2511-212-506	1725-0-0613	10/100
212 white	2gang frame 2512-212-506	1725-0-0621	10/100
212 white	3gang frame 2513-212-506	1725-0-0639	10/100
212 white	4gang frame 2514-212-500	1725-0-0647	10/100
212 white	5gang frame 2515-212-500	1725-0-0654	10

	Cover frame 1gang frame With marking "Heizung-Notschalter".		
212 white	2511 JH-212	1725-0-0662	10


	Cover frame 1) 2) 1gang frame With labelling field and label holder.		
212 white	1721 NS-212	1754-0-2221	10/100
1) See labelling sheet 1799 xx. 2) See label holder.			

	Cover frame 1) 2) 2gang frame With labelling field and label holder. Vertical.		
212 white	1722 NS-212	1754-0-2239	10/100
1) See labelling sheet 1799 xx. 2) See label holder.			


	Cover frame 1) 2) 3gang frame With labelling field and label holder. Vertical.		
212 white	1723 NS-212	1754-0-3708	10
1) See labelling sheet 1799 xx. 2) See label holder.			


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1) 2) With labelling field and label holder. Horizontal		
212 white	1732 NS-212	1754-0-2213	10/100
212 white	3gang frame 1733 NS-212	1754-0-3716	10
1) See labelling sheet 1799 xx. 2) See label holder.			

	Cover frame 1gang frame With hinged lid.		
212 white	2518-212	1719-0-0111	10/100


	Label holder For replacement purposes For outer edge of frame.		
	1761	1799-0-0154	10
	1760	1799-0-0162	10




Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Duro 2000® SI Linear-Frames With small corner radii for trunking systems. For vertical or horizontal installation.			
	212 white	1gang frame 2511-212K-102	1725-0-1489	10/100
	212 white	2gang frame 2512-212K-102	1725-0-1490	10/100
	212 white	3gang frame 2513-212K-102	1725-0-1491	10/100
	212 white	4gang frame 2514-212K-102	1725-0-1492	10
	212 white	5gang frame 2515-212K-102	1725-0-1493	10

Product	Article-No.	Order-No.	Pack/Qty
	Busch Duro 2000® SI Linear cover frame ¹⁾ 1 gang frame With labelling field and label holder.		
	212 white	1721 NSKA-212	1754-0-4093

1) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty	
	Cover frame ¹⁾ With labelling field and label holder. Vertical.			
	212 white	2gang frame 1722 NSKA-212	1754-0-4094	10
	212 white	3gang frame 1723 NSKA-212	1754-0-4096	10
	212 white	4gang frame 1724 NSKA-212	1754-0-4098	1

1) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty	
	Cover frame ¹⁾ With labelling field and label holder. Horizontal			
	212 white	2gang frame 1732 NSKA-212	1754-0-4095	10
	212 white	3gang frame 1733 NSKA-212	1754-0-4097	10
	212 white	4gang frame 1734 NSKA-212	1754-0-4099	1

1) See labelling sheet 1799 xx.

Flush-mounted and water protected. Water barrier.

Allwetter 44[®]. With IP 44 protection, this range resists the toughest conditions and therefore completely justifies the name. In the workshop or on the terrace – these highly impact-resistant and weather-proof devices are the right choice.



01



All Weather 44®

01 2gang combination 2gang1way switch and lockable socket outlet. All Weather 44® switch range.
Colour: aluminium silver.

02 brown (31/31)

03 ivory white (32/32)

04 aluminium silver (33/33)

05 alpine white (34/34)

06 anthracite (35/35)

» Materials
thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, weather-proof, free of PVC and halogen. IP 44 type of protection.

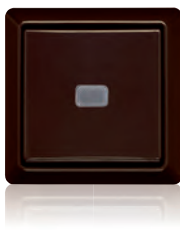


Contents

Flush-mounted and water protected

Rocker switches	p. 200
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Intermediate ring with hinged lid	p. 201
SCHUKO® socket outlets	p. 202
FI-SCHUKOMAT	p. 202
Busch-Watchdog sensor	p. 202
Cover frame	p. 203

02



03



04



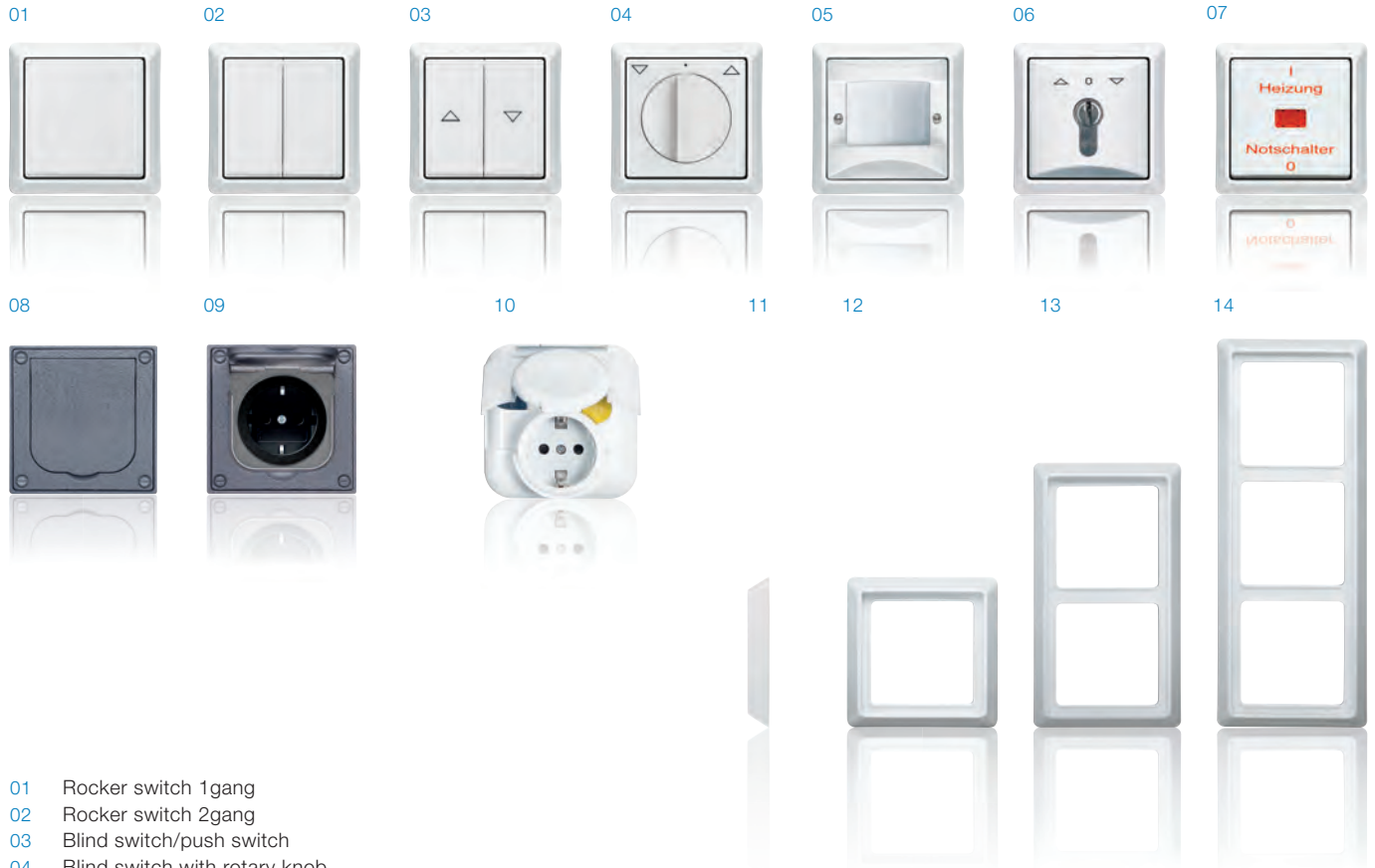
05



06



Flush-mounted and water protected



- 01 Rocker switch 1gang
- 02 Rocker switch 2gang
- 03 Blind switch/push switch
- 04 Blind switch with rotary knob
- 05 Busch-Watchdog 180 Flush-mounted
- 06 Blind switch with semi-cylindrical lock
- 07 Rocker switch with marking "Heizung - Notschalter"
- 08 Flush-mounted box*
- 09 SCHUKO® socket outlet with hinged lid*
- 10 FI-SCHUKOMAT socket outlet with complete cover (monobloc)

- 1 to 3 gang cover frame for horizontal and vertical installation
- 11 Side view: 14 mm x 91 mm
- 12 91 mm x 91 mm
- 13 91 mm x 162 mm
- 14 91 mm x 233 mm

*These products are located in an aluminium diecast case and do not require a separate frame.

The variety of available rockers and central units leave nothing to be desired. All devices are provided with sealing rings and can be mounted onto standard flush-mounted inserts in commercial flush-mounted socket outlets. The material used is impact-resistant and dimensionally stable and thus guarantees very good breaking and weather resistance.



- 15 Switch dimmer for outdoor application, installed indoors
- 16 Switch extension in All weather 44® for outdoor application, installed on the terrace

More than just switches and socket outlets

Integration of special connections. Via the intermediate ring with hinged lid, many Busch-Duro 2000® SI or Reflex SI inserts can also be used outdoors.



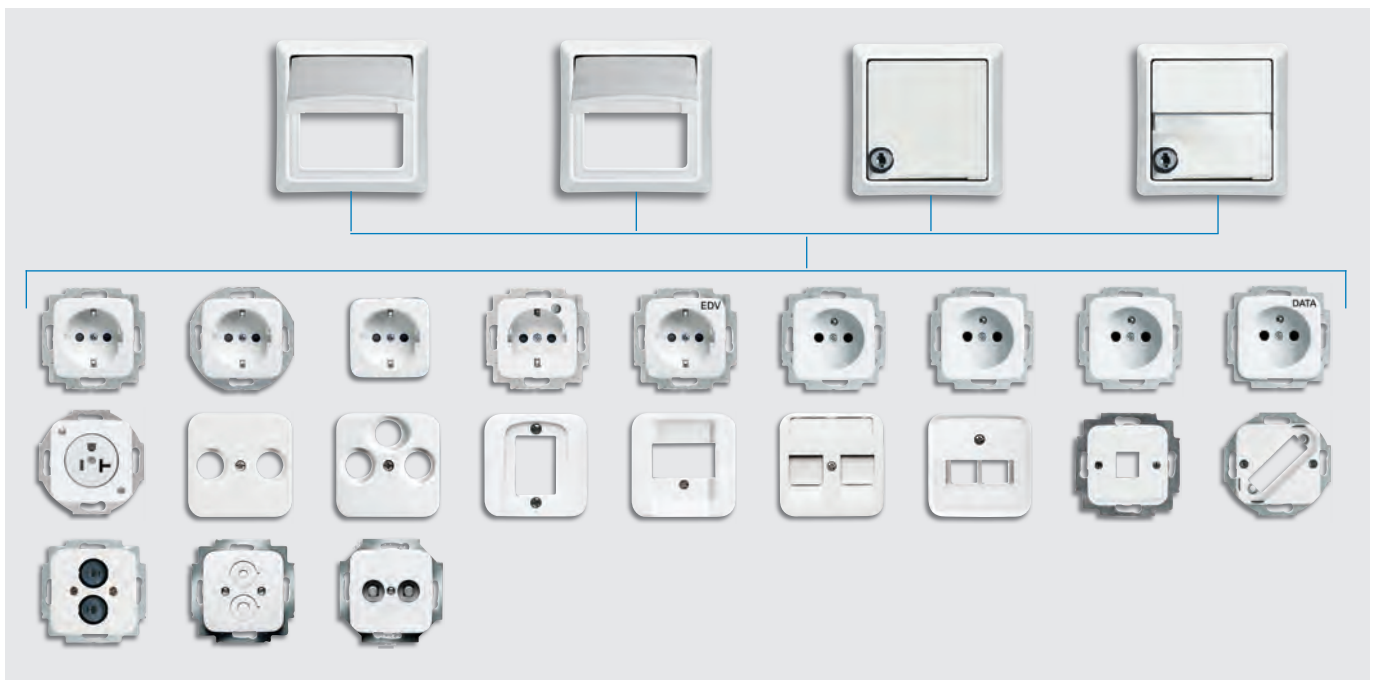
The intermediate ring with hinged lid exists in four different designs and all colours of All weather 44®:

Intermediate ring with hinged lid

Intermediate ring with hinged lid and labelling field


Intermediate ring with hinged lid, lockable (different or same locks)


Intermediate ring with hinged lid and labelling field, lockable (different or same locks)




If you wish, Busch-Dimmer® is always close-by – due to its practical extension function. With switch dimmers, the same light can be controlled with push-switches from almost everywhere. For outdoor use, push-switches from the All weather 44® or ocean® switch programmes are used. In practice, this means, for example, that you can


also dim your terrace lights using a Busch-Dimmer® from the comfort of your living room, as well as from a weather-resistant push-switch directly on the terrace itself. You can decide to replace your current switch with a convenient Busch-Dimmer® later. In most cases, an exchange is possible.


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2106-31	1731-0-1962	10/100
32 white	2106-32	1731-0-1775	10/100
33 aluminium silver	2106-33	1731-0-1963	10/100
34 alpine white	2106-34	1731-0-1593	10/100
35 anthracite	2106-35	1731-0-1668	10


	Switch rocker 1) with labelling field. Labelling field 66.7 x 10 mm. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2106 N-31	1731-0-1960	10
32 white	2106 N-32	1731-0-1825	10
33 aluminium silver	2106 N-33	1731-0-1961	10
34 alpine white	2106 N-34	1731-0-1643	10
35 anthracite	2106 N-35	1731-0-1718	10


1) See labelling sheet 1799 xx.


	Switch rocker Marked, with symbol mounting hole As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch. screwable (fixing element) Delivered with sealing ring Delivery without symbol IP 44 only in conjunction with the respective symbols and styling frame All Weather 44®. Protection class (Device): IP 44		
31 brown	2108-31	1731-0-1966	10
32 white	2108-32	1731-0-1809	10
33 aluminium silver	2108-33	1731-0-1967	10
34 alpine white	2108-34	1731-0-1627	10
35 anthracite	2108-35	1731-0-1692	10

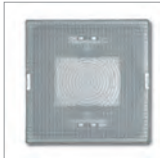
	Switch rocker With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2107-31	1731-0-1964	10
32 white	2107-32	1731-0-1833	10
33 aluminium silver	2107-33	1731-0-1965	10
34 alpine white	2107-34	1731-0-1734	10
35 anthracite	2107-35	1731-0-1742	10

	Switch rocker For flush mounted switch 2g 1w, 2g push switch screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2105-31	1731-0-1958	10/100
32 white	2105-32	1731-0-1783	10
33 aluminium silver	2105-33	1731-0-1959	10/100
34 alpine white	2105-34	1731-0-1601	10/100
35 anthracite	2105-35	1731-0-1676	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol mounting hole For flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring Delivery without symbol IP 44 only in conjunction with the respective symbols and styling frame All Weather 44®. Protection class (Device): IP 44		
31 brown	2120-31	1731-0-1968	10/100
32 white	2120-32	1731-0-1817	10
33 aluminium silver	2120-33	1731-0-1969	10/100
34 alpine white	2120-34	1731-0-1635	10/100
35 anthracite	2120-35	1731-0-1700	10


	Switch rocker With marking As cover for flush mounted blind control switch/push switch. screwable (fixing element) Delivered with sealing ring For inserts 2000/4 and 2020/4 US. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2126-31	1731-0-1970	10
32 white	2126-32	1731-0-1841	10
33 aluminium silver	2126-33	1731-0-1971	10
34 alpine white	2126-34	1731-0-1650	10
35 anthracite	2126-35	1731-0-1726	10


	Switch rocker With marking "Heizung-Notschalter". With red neon lens. screwable (fixing element) Delivered with sealing ring As cover for flush mounted control 1g1w, DP. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2102 H-31	1731-0-1956	10
32 white	2102 H-32	1731-0-1791	10
33 aluminium silver	2102 H-33	1731-0-1957	10
34 alpine white	2102 H-34	1731-0-1619	10
35 anthracite	2102 H-35	1731-0-1684	10


	Cap 1) For indication lamps. Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
clear-transparent	2664-11-101	1565-0-0191	10
red	2664-12-101	1565-0-0209	10
green	2664-13-101	1565-0-0217	10


1) For use with flush mounted insert 2661.


	Symbol for push switch For ocean® and All Weather 44® ranges. Protection class (Device): IP 44		
without symbol			
clear-transparent	2622 N-101	1714-0-0252	100
Light	2622 LI-101	1714-0-0260	100
Bell	2622 KI-101	1714-0-0278	100
Key	2622 TR-101	1714-0-0286	100
Red	2622-12-101	1714-0-0294	100


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U. Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2142 DR-31	1710-0-3801	10
32 white	2142 DR-32	1710-0-2223	10
33 aluminium silver	2142 DR-33	1710-0-3802	10
34 alpine white	2142 DR-34	1710-0-1811	10
35 anthracite	2142 DR-35	1710-0-1886	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101. With sealing ring. Semi-cylindrical lock not included in delivery IP 44 only in conjunction with styling frames All Weather 44® and the appropriate semi-cylindrical lock. Protection class (Device): IP 44		
31 brown	2155 PZ-31	1710-0-3803	10
32 white	2155 PZ-32	1710-0-2231	10
33 aluminium silver	2155 PZ-33	1710-0-3804	10
34 alpine white	2155 PZ-34	1710-0-1829	10
35 anthracite	2155 PZ-35	1710-0-1894	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With marking For insert 2733 USL-101. IP 44 only in conjunction with styling frames All Weather 44® and the appropriate semi-cylindrical lock. As cover for flush-mounted key switch. Semi-cylindrical lock not included in delivery With sealing ring. Protection class (Device): IP 44		
31 brown	2155 SLPZ-31	1710-0-3805	10
32 white	2155 SLPZ-32	1710-0-2249	10
33 aluminium silver	2155 SLPZ-33	1710-0-3806	10
34 alpine white	2155 SLPZ-34	1710-0-1837	10
35 anthracite	2155 SLPZ-35	1710-0-1902	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. For connecting cables of up to 5 x 2.5 mm². With strain relief (without terminal block). Terminal block not included in delivery With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2133-31	1710-0-3797	10
32 white	2133-32	1710-0-2256	10
33 aluminium silver	2133-33	1710-0-3798	10
34 alpine white	2133-34	1710-0-1845	10
35 anthracite	2133-35	1710-0-1910	10

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2138-31	1710-0-3799	10
32 white	2138-32	1710-0-2264	10
33 aluminium silver	2138-33	1710-0-3800	10
34 alpine white	2138-34	1710-0-1852	10
35 anthracite	2138-35	1710-0-1928	10

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ¹⁾ ²⁾ ³⁾ Lockable, differing locks For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2118 GKSL-31	1710-0-3788	10
32 white	2118 GKSL-32	1710-0-2298	10
33 aluminium silver	2118 GKSL-33	1710-0-3789	10
34 alpine white	2118 GKSL-34	1710-0-1951	10
35 anthracite	2118 GKSL-35	1710-0-1977	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
- 2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärther.
- 3) Combinable only with covers for flush-mounted inserts


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ¹⁾ ²⁾ ³⁾ For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		

Product	Article-No.	Order-No.	Pack/Qty
31 brown	2118 GK-31	1710-0-3784	10/100
32 white	2118 GK-32	1710-0-2272	10
33 aluminium silver	2118 GK-33	1710-0-3785	10/100
34 alpine white	2118 GK-34	1710-0-1860	10/100
35 anthracite	2118 GK-35	1710-0-1936	10

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ¹⁾ ²⁾ ³⁾ ⁴⁾ with labelling field. Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		

Product	Article-No.	Order-No.	Pack/Qty
31 brown	2118 GKN-31	1710-0-3786	10
32 white	2118 GKN-32	1710-0-2280	10
33 aluminium silver	2118 GKN-33	1710-0-3787	10
34 alpine white	2118 GKN-34	1710-0-1878	10
35 anthracite	2118 GKN-35	1710-0-1993	10


- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
- 2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärther.
- 3) Combinable only with covers for flush-mounted inserts
- 4) See labelling sheet 1799 xx.


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ^{1) 2) 3) 4)} Lockable, differing locks With labelling field. Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2118 GKSLN-31	1710-0-3795	10
32 white	2118 GKSLN-32	1710-0-2306	10
33 aluminium silver	2118 GKSLN-33	1710-0-3796	10
34 alpine white	2118 GKSLN-34	1710-0-1969	10
35 anthracite	2118 GKSLN-35	1710-0-1985	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUICRD-..., 20 EUICKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-..., 101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...
- 2) Combinable with cover plate 1746-..., 101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts
- 4) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ^{1) 2) 3) 4)} Lockable, same locks With labelling field. Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®.		
31 brown	2118 GKSLN/11-31	1710-0-3790	10
32 white	2118 GKSLN/11-32	1710-0-3791	10
33 aluminium silver	2118 GKSLN/11-33	1710-0-3792	10
34 alpine white	2118 GKSLN/11-34	1710-0-3793	10
35 anthracite	2118 GKSLN/11-35	1710-0-3794	10


- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUICRD-..., 20 EUICKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-..., 101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...
- 2) Combinable with cover plate 1746-..., 101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts
- 4) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO®-socket outlet with screwless terminal and hinged lid With screwless terminal. 2 P + E Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
31 brown	20 EUGK-31	2064-0-0282	10/100
32 white	20 EUGK-32	2064-0-0269	10/100
33 aluminium silver	20 EUGK-33	2064-0-0283	10/100
34 alpine white	20 EUGK-34	2064-0-0202	10/100
35 anthracite	20 EUGK-35	2064-0-0244	10

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With hinged lid and labelling field Labelling field 66.7 x 10 mm. With screwless terminal. 2 P + E Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
31 brown	20 EUGKN-31	2064-0-0284	10
32 white	20 EUGKN-32	2064-0-0277	10
33 aluminium silver	20 EUGKN-33	2064-0-0285	10
34 alpine white	20 EUGKN-34	2064-0-0210	10
35 anthracite	20 EUGKN-35	2064-0-0251	10

- 1) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet With hinged lid and marking With screwless terminal. 2 P + E Continuous coloured marking (cover plate and base). Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
13 green (SV) RAL 6018	20 EUG-13	2064-0-0228	10
14 orange (ZSV) RAL 2004	20 EUG-14	2064-0-0236	10

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlets ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. Waterproof. Flush-mounted SCHUKOMAT, VDE 0664. Complete cover, not combinable. DP cut off (P/N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 44 Temperature range (Device): -25 °C to 40 °C		
44 alpine white	3118 EUGKS-44	3116-0-0647	1

- 1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
- 2) Terminals suitable for loop through connection.
- 3) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II for All Weather 44® ^{1) 2)} With combi-lens For automatic switching of devices dependent on motion and brightness. For use outdoors. For down-to-ground detection. For relay switch insert 6401 U-102. IP 44 only in conjunction with cover frames All Weather 44®. Surveillance density: 40 sectors with 160 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. With screw-type terminal. Detection range: frontal: 15 m, lateral: 10 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 44 Temperature range (Device): -25 °C to 55 °C Position for installation: vertical		
31 brown	6800-31-102C	6800-0-2353	1
32 white	6800-32-102C	6800-0-1898	1
33 aluminium silver	6800-33-102C	6800-0-2354	1
34 alpine white	6800-34-102C	6800-0-1674	1
35 anthracite	6800-35-102C	6800-0-1740	1

- 1) Delivered with sealing ring.
- 2) Please order the respective flush mounted insert separately.

Product **Article-No.** Order-No. Pack/Qty



**Cover frame
1gang frame**

IP 44 only in connection with a switch cover, cover plate,
etc. of program All Weather 44®.
Protection class (Device): IP 44

31	brown	2101-31	1730-0-0275	10/100
32	white	2101-32	1730-0-0258	10/100
33	aluminium silver	2101-33	1730-0-0276	10/100
34	alpine white	2101-34	1730-0-0191	10/100
35	anthracite	2101-35	1730-0-0225	10



**Cover frame
2gang frame**

IP 44 only in connection with a switch cover, cover plate,
etc. of program All Weather 44®.
Protection class (Device): IP 44

31	brown	2102-31	1730-0-0277	10/100
32	white	2102-32	1730-0-0266	10/100
33	aluminium silver	2102-33	1730-0-0278	10/100
34	alpine white	2102-34	1730-0-0209	10/100
35	anthracite	2102-35	1730-0-0233	10



**Cover frame
3gang frame**

IP 44 only in connection with a switch cover, cover plate,
etc. of program All Weather 44®.
Protection class (Device): IP 44

31	brown	2103-31	1730-0-0279	10
32	white	2103-32	1730-0-0274	10
33	aluminium silver	2103-33	1730-0-0280	10
34	alpine white	2103-34	1730-0-0217	10
35	anthracite	2103-35	1730-0-0241	10



Surface-mounted and water protected. Beauty with inner values.

ocean[®] fascinates due to its form and colour and has a prize-winning look. This range is convincing not only by design but also by functionality, because it is robust, easy to install and versatile.





Surface-mounted and water protected

- 01 2gang rocker switch/socket outlet combination with labelling field. ocean® switch range. Colour: blue-green (53).
 - 02 Rocker switch with neutral (transparent) lens. ocean® switch range. Colour: blue-green (53).
 - 03 Rocker switch with red neon lamp. ocean® switch range. Colour: alpine white (55).
-
- » Materials
Cover: thermoplastic cover (PP), fracture-resistant, UV-resistant, weather-proof, free of PVC and halogen.

Contents Surface-mounted and water protected



Mechanical switches/blind switches	p. 208
SCHUKO® socket outlets	p. 210
Switch and SCHUKO® socket outlet combinations	p. 211
Multiple SCHUKO® socket outputs	p. 211
Special connectors	p. 213
Twilight switch	p. 213
Accessories	p. 213
FI-SCHUKOMAT	p. 214
Empty box, branching box, surface-mounted case	p. 215
Line and cable leads	p. 215
Busch-Duro 2000® WD (IP 66)	p. 216
Busch-Duro 2000® WDI (IP 66)	p. 217

02



03



Almost too good for wet rooms

Prevent misuse

Especially in areas with public access it is possible that strangers will use electricity that you have to pay for. Lockable hinged lids are the answer. Two lockable socket outlets with identical keys, for example for connecting a washing machine and a dryer, which are supplied by the electricity meter of the apartment. No one can thus wash or dry at the cost of other tenant.



Combination possibility

Using the cable entry, various inserts are freely combinable. In addition to data communication products, other special inserts like key switches, rocker switches, or twilight switches can be fully integrated.



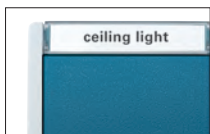
The entire assortment is available in grey/blue-green or alpine white.



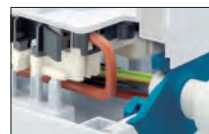
ocean®. The water-protected flush-mounted program withstands even the toughest conditions. It is well-suited for both laundry rooms as well as wellness and production areas. Illumination and labelling, fast release screws and generous wiring space assist during installation and operation. Full integration of ABB i-bus® KNX via switch coupling unit 6108/04 and /05 for 1/2 and 2/4 gang rockers.

- 01 Lockable socket outlet
Article-No. 2020 EWSL-53
- 02 The combination that acts like a single component
Article-No. 2601/6/20 EW-54
Article-No. 2138 W-54
Article-No. 2661 W-54 z 2863-13-53

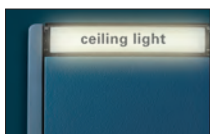
- 03 Side view: 55 mm x 83 mm
- 04 145 mm x 83 mm
- 05 222 mm x 83 mm
- 06 74 mm x 83 mm
- 07 74 mm x 167 mm



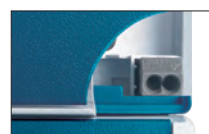
Clear assignment of the consumers
Uniform labelling field for switches and socket outlets (optional).



Easy connection
Large connection area even for 5 x 2.5 mm² conductors. Easy through-connections underneath the base.



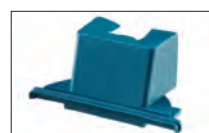
Visible in the dark
Large-area lighting of the labelling field by LED for all switches and push-switches (optional).



Safe feed-through
Feed-through of earth wire via terminal block.



Fast mounting using the PoziDriv screw (+/-), PZ 1 (with triple-pitch fast release stainless steel thread). Same mounting dimensions as the WS range.



Colour-matching duct entry
Available in both colours for use in cable ducts.

The specialist for extreme cases

Busch-Duro 2000® WD

Waterproof (IP 66)

The range for special requirements with the indispensable high protection for special mechanical stress and effects of dust and water.

Busch-Duro 2000® WDI

Waterproof, Industrial (IP 66)

In combination with cable entries 2070 and 2071, this range is resistant to the majority of aggressive media such as oils, grease, detergents, solvents and hydrocarbons, as well as organic and inorganic bases (if normal concentrations are not exceeded).

Busch-Duro 2000® EWDI

Waterproof (IP 66)

This socket outlet with hinged lid and bayonet lock has very high impact resistance and is eminently suitable for use under the harshest of conditions. For use with highly aggressive liquids like ammonia and petrol, a special cable entry is available.

All devices have an open cable entry on the top side and a closed cable entry on the bottom side.

01



02



03



04



05



The specialist for extreme cases.


Whether heat or cold, water or chemicals – even under extreme conditions these types remain resistant. Special materials, clever design and a high quality finish make them almost indestructible.

- 01 Busch-Duro 2000® WD
Article-No. 2601/6 WD
- 02 Busch-Duro 2000® WDI
Article-No. 2601/6 WDI
- 03 Busch-Duro 2000® EWDI
Article-No. 2300 EWDI
- 04 ocean®
Article-No. 2601/6 W-54
- 05 Push-button coupling 1/2-gang
Article-No. 6108/01-500


Quality on the inside

Many useful details make fitting a pleasure. The larger connection area for conductors up to 5 x 2.5 mm² simplifies cable feed-through, as the cable can pass underneath the socket outlet base. Mounting is further assisted by insertion guides, plug-in terminals and fast release cover screws.




Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 1gang 2way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/6 W-53	1085-0-1603	10/100
54 alpine white 2601/6 W-54	1085-0-1628	10/100	


- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2)} 1gang 2way With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/6 WN-53	1085-0-1611	10/100
54 alpine white 2601/6 WN-54	1085-0-1624	10/100	


- 1) Label holder illuminable with illumination insert 2152 NLI-53.
- 2) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 2gang 1way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/5 W-53	1085-0-1606	10/100
54 alpine white 2601/5 W-54	1085-0-1621	10	


- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3) 4) 5)} 1gang 2way With red neon lens. With neon lamp. With N terminal. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/6 SKW-53	1085-0-1607	10/100
54 alpine white 2601/6 SKW-54	1085-0-1622	10	


- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) Neon-lamp 8346-1 included..
- 4) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 5) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 1gang intermediate Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/7 W-53	1085-0-1604	10/100
54 alpine white 2601/7 W-54	1085-0-1620	10	


- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch with marking Heizung-Notschalter ^{1) 2) 3) 4) 5)} 1gang 2way With red neon lens. With neon lamp. With labelling field. Labelling field 57.8 x 9.8 mm With N terminal. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/6 SKWNH-53	1085-0-1609	10/100
54 alpine white 2601/6 SKWNH-54	1085-0-1631	10	


- 1) Label holder illuminable with illumination insert 2152 NLI-53.
- 2) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 3) Neon-lamp 8346-1 included..
- 4) See lettering sheets 1799-13 and lettering software.
- 5) Neutral labelling field enclosed.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 1gang, DP with neutral (transparent) lens, Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/2 W-53	1085-0-1605	10/100
54 alpine white 2601/2 W-54	1085-0-1627	10	


- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch with marking Heizung-Notschalter ^{1) 2) 3) 4) 5)} 1gang, DP With red neon lens. With neon lamp. With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 16 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/2 SKWNH-53	1085-0-1610	10
54 alpine white 2601/2 SKWNH-54	1085-0-1623	10	

- 1) Label holder illuminable with illumination insert 2152 NLI-53.
- 2) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 3) Neon-lamp 8346-1 included..
- 4) See lettering sheets 1799-13 and lettering software.
- 5) "Heizung-Notschalter" inscription label also included.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3) 4)} 1gang 2way with neutral (transparent) lens, With illumination according to German Standard workplace regulations. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 2601/6 WGL-53	1085-0-1613	10
54 alpine white 2601/6 WGL-54	1085-0-1626	10	

- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 4) Neon-lamp 8346-1 included..

Product	Article-No.	Order-No.	Pack/Qty
	Push switch ^{1) 2) 3)} 1gang 1way SP (operating current), With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
	53 grey / blue-green 2621 W-53	1484-0-0370	10/100
54 alpine white 2621 W-54	1484-0-0380	10	

- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
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Push switch ¹⁾ ²⁾ ³⁾ ⁴⁾
1gang 2way
 with neutral (transparent) lens,
 SP,
 With N terminal.
 Can be wired for normally open contacts (stand-by current)
 or normally closed contacts (operating current).
 Rated voltage: 250 V~
 Rated current: 10 A
 Protection class (Device): IP 44

53	grey / blue-green	2621 W-53-206	1484-0-0054	10
54	alpine white	2621 W-54-206	1484-0-0377	10

- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 4) See lettering sheets 1799-13 and lettering software.



Push switch ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾
1gang 1way
 with neutral (transparent) lens,
 With illumination according to German Standard workplace
 regulations.
 SP (operating current),
 With N terminal.
 Rated voltage: 250 V~
 Rated current: 10 A
 Protection class (Device): IP 44

53	grey / blue-green	2621 WGL-53	1484-0-0371	10/100
54	alpine white	2621 WGL-54	1484-0-0381	10

- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) Push switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 4) Neon-lamp 8346-1 included.
- 5) See lettering sheets 1799-13 and lettering software.



Push switch ¹⁾ ²⁾ ³⁾
1gang 1way
 SP (operating current),
 With N terminal.
 with 2 independent answering contacts,
 With labelling field.
 Labelling field 57.8 x 9.8 mm
 Rated voltage: 250 V~
 Rated current: 10 A
 Protection class (Device): IP 44

53	grey / blue-green	2621 WN-53-201	1484-0-0373	10
54	alpine white	2621 WN-54-201	1484-0-0378	10

- 1) Label holder illuminable with illumination insert 2152 NLI-53.
- 2) Push switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358.
- 3) See lettering sheets 1799-13 and lettering software.



Symbol for push switch
 For ocean® and All Weather 44® ranges.
 Protection class (Device): IP 44

without symbol

clear-transparent	2622 N-101	1714-0-0252	100
clear-transparent	2622 LI-101	1714-0-0260	100
clear-transparent	2622 KI-101	1714-0-0278	100
clear-transparent	2622 TR-101	1714-0-0286	100
red	2622-12-101	1714-0-0294	100

Product	Article-No.	Order-No.	Pack/Qty
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2gang 1way ¹⁾ ²⁾ ³⁾
2gang 1way, SP (operating current)
 2 actuating covers, 2 x SP,
 with 2 separate current paths,
 without N terminal
 With labelling field.
 Labelling field 57.8 x 9.8 mm
 Rated voltage: 250 V~
 Rated current: 10 A
 Protection class (Device): IP 44

53	grey / blue-green	2621 WN-53-205-101	1484-0-0374	10
54	alpine white	2621 WN-54-205-101	1484-0-0379	10

- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.



Blind switch ¹⁾ ²⁾ ³⁾
Rocker Switch, SP
 With interlock.
 With labelling field.
 Labelling field 57.8 x 9.8 mm
 With illumination according to German Standard workplace
 regulations.
 Rated voltage: 250 V~
 Rated current: 10 AX
 Protection class (Device): IP 44

53	grey / blue-green	2601/4 W-53	1085-0-1612	10
54	alpine white	2601/4 W-54	1085-0-1625	10

- 1) Label holder illuminable with illumination insert 2152 NLI-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Blind switches/push switches prevents fast change over between operating directions.



Blind switch/push switch, with marking ¹⁾ ²⁾ ³⁾
Cover push switch, SP
 With interlock.
 With labelling field.
 Labelling field 57.8 x 9.8 mm
 Rated voltage: 250 V~
 Rated current: 10 A
 Protection class (Device): IP 44

53	grey / blue-green	2621/4 W-53	1442-0-0469	10
54	alpine white	2621/4 W-54	1442-0-0474	10


- 1) Label holder illuminable with illumination insert 2152 NLI-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Blind switches/push switches prevents fast change over between operating directions.




Busch-Blind control switch/Push switch ¹⁾ ²⁾ ³⁾ ⁴⁾
Cover switch, 1gang 2way, DP
 For profile semi-cylindrical lock.
 Key push switch
 Key can only be removed in central position,
 With labelling field.
 Labelling field 57.8 x 9.8 mm
 IP 44 only in combination with appropriate cylindrical locks.
 Rated voltage: 250 V~
 Rated current: 10 AX
 Protection class (Device): IP 44

53	grey / blue-green	2712 SLW-53	1101-0-0916	10
54	alpine white	2712 SLW-54	1101-0-0924	10


- 1) Key not removable in end position.
- 2) See semi-cylindrical lock.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) window non-illuminable.

Product	Article-No.	Order-No.	Pack/Qty
	Key switch ^{1) 2) 3)} 1gang 1way, SP For profile semi-cylindrical lock. In switched-on and switched-off status the key can be pulled out in the central position, respectively. With labelling field. Labelling field 57.8 x 9.8 mm IP 44 only in combination with appropriate cylindrical locks. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	2733 SLW-53 2733 SLW-54	1101-0-0917 1101-0-0925


- 1) See semi-cylindrical lock.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) window non-illuminable.


	Pull cord switch ^{1) 2) 3)} 1gang 2way with screw-type terminals, Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	2610/6 W-53 2610/6 W-54	1383-0-0141 1383-0-0143

- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) window non-illuminable.


	Neon indicator ^{1) 2) 3) 4) 5)} with E 10-thread with screw-type terminals, without cover, without lamp. IP 44 only in combination with appropriate covers. Rated voltage: 250 V~ Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	2661 W-53 2661 W-54	1582-0-0305 1582-0-0328

- 1) Label holder 1763-53.
- 2) Label holder illuminable with illumination insert 2152 NLJ.
- 3) Indication lamp illuminable using E 10 lamps 8302, 8340, 8341, 8342, 8343.
- 4) Use of the intense-light neon lamp 8340 is recommended in the case of red and green covers.
- 5) See lettering sheets 1799-13 and lettering software.


	Cap For indication lamp 2661 W-53		
	clear-transparent red green	2863-11-53 2863-12-53 2863-13-53	1563-0-0148 1563-0-0149 1563-0-0150

	SCHUKO® socket outlet ^{1) 2) 3)} with hinged lid With screwless terminal. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EW-53 20 EW-54	2083-0-0817 2083-0-0834


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3) 4)} Shuttered With screwless terminal. with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EBW-53 20 EBW-54	2083-0-0842 2083-0-0843


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Increased shock protection.

	SCHUKO® socket outlet ^{1) 2)} With hinged lid and labelling field With screwless terminal. 2 P + E, With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EWN-53 20 EWN-54	2083-0-0818 2083-0-0831


- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ^{1) 2)} with green hinged lid With screwless terminal. 2 P + E, With green hinged lid, SV (RAL 6018). With labelling field. Labelling field 57.8 x 9.8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EWN-13-53 20 EWN-13-54	2083-0-0819 2083-0-0837

- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ^{1) 2)} with orange hinged lid With screwless terminal. 2 P + E, With orange hinged lid, ZSV, (RAL 2004). With labelling field. Labelling field 57.8 x 9.8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EWN-14-53 20 EWN-14-54	2083-0-0820 2083-0-0838

- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet ^{1) 2)} with red hinged lid With screwless terminal. 2 P + E, With red hinged lid, EDP (RAL 6018). With labelling field. Labelling field 57.8 x 9.8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EW/DVN-53 20 EW/DVN-54	2083-0-0825 2083-0-0839

- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	Combination SCHUKO® socket outlet, with rocker switch '1) 2) 3) 4) 5) 1gang 2way For vertical installation. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	2601/6/20 EW-53 2601/6/20 EW-54	1684-0-0316 1684-0-0327

- 1) Label holder 1763-53.
- 2) Label holder of the switch illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) Terminals of the socket outlet suitable for loop connection in accordance with VDE 0620-1.
- 5) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

	Combination SCHUKO® socket outlet, with rocker switch '1) 2) 3) 4) 5) 2gang 1way For vertical installation. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	2601/5/20EW-53-503 2601/5/20EW-54-503	1684-0-0324 1684-0-0328

- 1) Label holder 1763-53.
- 2) Label holder of the switch illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) With high cable entry.
- 5) Terminals of the socket outlet suitable for loop connection in accordance with VDE 0620-1.
- 6) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

	SCHUKO® socket outlet '1) 2) 3) With screwless terminal. with security lock in hinged lid, 2 P + E, lockable, 2 keys, Cannot be screwed on or dismantled in closed condition. approx. 200 different locks (unsorted), Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EWSL-53 20 EWSL-54	2083-0-0822 2083-0-0832

- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet '1) 2) 3) With screwless terminal. with security lock in hinged lid, 2 P + E, Standard lock with 2 identical keys, Cannot be screwed on or dismantled in closed condition. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20 EWSL-101-53 20 EWSL-101-54	2083-0-0823 2083-0-0833

- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	Set of two SCHUKO® Socket outlets '1) 2) 3) 4) With screwless terminal. 2 P + E, With 2 identical security locks in hinged lid and 2 identical keys. Cannot be screwed on or dismantled in closed condition. geminat approx. 200 different locks (unsorted), Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20/20 EWSL-53 20/20 EWSL-54	2083-0-0816 2083-0-0836

- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) For operating 2 different circuits in shared rooms via user's meter.
- 4) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet '1) 2) 3) 4) 2gang For vertical installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20-02 EW-53 20-02 EW-54	2084-0-0701 2084-0-0710


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

	SCHUKO® socket outlet '1) 2) 3) 4) 5) Shuttered 2gang For vertical installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20-02 EBW-53 20-02 EBW-54	2084-0-0719 2084-0-0722


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.
- 5) Increased shock protection .

	SCHUKO® socket outlet '1) 2) 3) 2gang 2gang For vertical installation. With screwless terminal. Prewired with hinged lids, With labelling field. Labelling field 57.8 x 9.8 mm 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	53 grey / blue-green 54 alpine white	20-02 EWN-53 20-02 EWN-54	2084-0-0702 2084-0-0714


- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 3) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 3) 2gang For horizontal installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20/2 EW-53	2084-0-0699	5/50
54 alpine white	20/2 EW-54	2084-0-0711	5/50


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 3) 4) 3gang For horizontal installation. With screw-type terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	2300/3 EW-53	2084-0-0698	1/10
54 alpine white	2300/3 EW-54	2084-0-0712	1/10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Label holder 1763-53.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 3) 4) Shuttered 2gang For horizontal installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20/2 EBW-53	2084-0-0720	5/50
54 alpine white	20/2 EBW-54	2084-0-0723	5


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 3) 4) 5) Shuttered 3gang, For horizontal installation. With screw-type terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	2300/3 EBW-53	2084-0-0721	1/10
54 alpine white	2300/3 EBW-54	2084-0-0724	1/10

- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.
- 5) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 2gang For horizontal installation. With screwless terminal. Prewired with hinged lids, With labelling field. Labelling field 57.8 x 9.8 mm 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20/2 EWN-53	2084-0-0703	5/50
54 alpine white	20/2 EWN-54	2084-0-0715	5/50


- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 3) 3gang For horizontal installation. With screw-type terminal. Prewired with hinged lids, With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	2300/3 EWN-53	2084-0-0704	1/10
54 alpine white	2300/3 EWN-54	2084-0-0716	1/10


- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 3) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2) 2gang For horizontal installation. With screwless terminal. 2 P + E, Prewired With red hinged lid, EDP (RAL 6018). With labelling field. Labelling field 57.8 x 9.8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20/2 EW/DVN-53	2084-0-0700	5
54 alpine white	20/2 EW/DVN-54	2084-0-0713	5

- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	Combination SCHUKO® socket outlet, with rocker switch '1) 2) 3) 4) 5) Shuttered 1gang, 2way For vertical installation. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX Protection class (Device): IP 44		
53 grey / blue-green	2601/6/20 EBW-53	1684-0-0330	5
54 alpine white	2601/6/20 EBW-54	1684-0-0331	5


- 1) Label holder 1763-53.
- 2) Label holder of the switch illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) Terminals of the socket outlet suitable for loop connection in accordance with VDE 0620-1.
- 5) Instead of the SCHUKO®-socket outlets, switches, push-switches, light signals, or SCHUKO®-socket outlets with locks can be used.

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ^{1) 2) 3)} With earthing pin With screwless terminal. With hinged lid. Suitable for the countries like Poland, Czech Republic. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20 MW-53-500	2017-0-0762	10/100
54 alpine white	20 MW-54-500	2017-0-0849	10


- 1) Label holder 1763-53.
2) See lettering sheets 1799-13 and lettering software.
3) Terminals suitable for loop connection in acc. with IEC 60 884-1.

	Socket outlet ^{1) 2) 3)} With earthing pin With screw-type terminal. With hinged lid. Shuttered. Suitable for countries like Belgium. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	23 MWKS-53-504	2017-0-0763	10/100
54 alpine white	23 MWKS-54-504	2017-0-0842	10

- 1) Label holder 1763-53.
2) See lettering sheets 1799-13 and lettering software.
3) Terminals suitable for loop connection in acc. with IEC 60 884-1.

	Busch Nema socket outlet ^{1) 2)} With yellow hinged lid. With screw-type terminal. 2 P + E, With yellow hinged lid (RAL 1018). With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 125 V Rated current: 15 A Protection class (Device): IP 44		
53 grey / blue-green	3015 EWN-53	2124-0-0023	10/100
54 alpine white	3015 EWN-54	2124-0-0025	10


- 1) Use in accordance with US Standard (e.g. in US military barracks).
2) See lettering sheets 1799-13 and lettering software.

	Busch Nema socket outlet ^{1) 2)} With yellow hinged lid. With screw-type terminal. 2 P + E, With yellow hinged lid (RAL 1018). With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 125 V Rated current: 20 A Protection class (Device): IP 44		
53 grey / blue-green	3016 EWN-53	2124-0-0024	10
54 alpine white	3016 EWN-54	2124-0-0026	10


- 1) Use in accordance with US Standard (e.g. in US military barracks).
2) See lettering sheets 1799-13 and lettering software.

	Twilight switch ^{1) 2)} With labelling field. Labelling field 57.8 x 9.8 mm Switch-on/switch-off delay: approx. 3-6 min non-adjustable. Rated voltage: 230 V~ Rated frequency: 50 Hz Rated current: 16 AX Rated power: 3680 W/VA Brightness limit value: 3 Lux - 500 Lux nominal Protection class (Device): IP 44 Temperature range (Device): -35 °C to 55 °C		
53 grey	2240 W-53	6500-0-0791	1/10
54 alpine white	2240 W-54	6500-0-0792	1/10


- 1) See lettering sheets 1799-13 and lettering software.
2) window non-illuminable.

Product	Article-No.	Order-No.	Pack/Qty
	Box ^{1) 2) 3) 4) 5)} with labelling field. larger installation depth for data communication system, suitable for DCS base 1850 built-in ... 1872 built-in and 1876 built-in, With labelling field. Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 45 mm		
53 grey / blue-green	1758 WN-53	1724-0-2751	10
54 alpine white	1758 WN-54	1724-0-4264	10


- 1) Not suitable for DCS base 1874 (built-in), 1875 built-in
2) See lettering sheets 1799-13 and lettering software.
3) DCS base not included
4) IP 44 only with closed hinged lid.
5) Not suited for universal modules 0219.


	Empty box ^{1) 2) 3)} with labelling field. larger installation depth for pilot devices of 22.5 mm diameter, Standard version, Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 60 mm		
53 grey / blue-green	2533 WN-53	1724-0-2752	10
54 alpine white	2533 WN-54	1724-0-4281	10


- 1) See lettering sheets 1799-13 and lettering software.
2) IP 44 only in combination with appropriate control unit
3) * e.g. of the companies Lumitas, Moeller, Schlegel, Rafi, Elan.








	Empty box ^{1) 2) 3)} with labelling field. larger installation depth for pilot devices of 22.5 mm diameter, with yellow cover (RAL 1018), Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 60 mm		
53 grey / blue-green	2533 WN-15-53	1724-0-2753	10
54 alpine white	2533 WN-15-54	1724-0-4282	10


- 1) See lettering sheets 1799-13 and lettering software.
2) IP 44 only in combination with appropriate control unit
3) * e.g. of the companies Lumitas, Moeller, Schlegel, Rafi, Elan.

	Cable entry double closed		
53 blue-green	2134 W-53	1761-0-1487	10
54 alpine white	2134 W-54	1761-0-1507	10


	Cable entry single open		
53 blue-green	2136 W-53	1761-0-1489	10
54 alpine white	2136 W-54	1761-0-1508	10


	Cable bushing Adapter plate for coupling several devices Protection class (Device): IP 44		
53 blue-green	2138 W-53	1761-0-1490	10
54 alpine white	2138 W-54	1761-0-1509	10


Product	Article-No.	Order-No.	Pack/Qty
	Cable entry high design		
53 blue-green	2139 W-53	1761-0-1491	10
54 alpine white	2139 W-54	1761-0-1511	10
	Cable entry For pipes with metric thread M 20 x 1.5. Protection class (Device): IP 44		
53 blue-green	2137/10 W-53	1761-0-1503	10
54 alpine white	2137/10 W-54	1761-0-1512	10
	Cable entry For pipes with 20 mm diameter unthreaded. Protection class (Device): IP 44		
53 blue-green	2137/11 W-53	1761-0-1506	10
54 alpine white	2137/11 W-54	1761-0-1513	10
	Trunking adaptors Channel dimension: 15 x 15 mm or 15 x 30 mm.		
53 blue-green	2086 W-53	1761-0-1492	10
54 alpine white	2086 W-54	1761-0-1510	10
	Label holder 1) for labelling sheet 1799-13, for switches and socket outlets in the ocean® program, with neutral foil 57.8 x 9.8 mm		
53 clear-transparent	1763-53	1799-0-0882	10
1) See lettering sheets 1799-13 and lettering software.			
	Illumination insert 1) with LED, with optical fibre for uniform illumination of the label holder 1763-53 Rated voltage: 230 V~		
53 clear-transparent	2152 NLI-53	1784-0-0777	1
1) See lettering sheets 1799-13 and lettering software.			
	Mounting plate For individual waterproof/tight SM devices For fixation with fastening system (fixing screws included in the delivery).		
metal clad	2609 WS	1716-0-0042	10

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlets 1) 2) 3) With integrated earth leakage breaker. Shuttered. Waterproof. Flush-mounted SCHUKOMAT, VDE 0664 DP cut off (P,N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 44 Temperature range (Device): -25 °C to 40 °C		
grey	3118 WSKS	3116-0-0639	1


- 1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
3) Increased shock protection .


Product	Article-No.	Order-No.	Pack/Qty
	Cable entry Entry closed. Protection class (Device): IP 44		
anthracite	2135 WS	1761-0-0915	10
anthracite	Entry open. 2136 WS	1761-0-0923	10
anthracite	With thread for Stapa pipe, PG 16 2137 WS	1761-0-0931	10
anthracite	Metric thread M20. 2137/10 WS	1761-0-1484	10
anthracite	Adapter plate for coupling several devices 2138 WS	1761-0-0949	10
anthracite	High slider. 2139 WS	1761-0-0956	10
anthracite	Slider with two entries. 2134 WS	1761-0-1038	10

	Cable entry Entry closed. Protection class (Device): IP 44		
light grey	Entry closed. 2135 WS-55	1761-0-1426	10
light grey	Entry open. 2136 WS-55	1761-0-1434	10
light grey	With thread for Stapa pipe, PG 16 2137 WS-55	1761-0-1442	10
light grey	Metric thread M20. 2137/10 WS-55	1761-0-1485	10
light grey	High slider. 2139 WS-55	1761-0-1467	10
light grey	Slider with two entries. 2134 WS-55	1761-0-1459	10


	Trunking adaptors Channel dimensions: 19 x 19 mm Material: Desmopan. Protection class (Device): IP 44		
light grey	2086 WSG-55	1761-0-1095	100

	Empty box For surface mounted program. For installing the universal interfaces 6119/20 and 6119/40. Protection class (Device): IP 44		
	2647 WS	1799-0-0709	10


	Surface mounting box max. conductor cross-section 4 mm ² Status of delivery: 1 cable entry open (2136 WS-55), 5 cable entries closed (2135 WS-55), Without terminal block. Rated voltage: 660 V Protection class (Device): IP 54 Dimensions: (L x W x D): 90 mm x 94 mm x 51 mm		
	2655 WS	1798-0-0065	10

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 1 cable entry open (2136 WS-55), 7 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 90 mm x 130 mm x 51 mm		
	2655/11 WS	1798-0-0073	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 1 cable entry open (2136 WS-55), 9 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 90 mm x 167 mm x 51 mm		
	2655/12 WS	1798-0-0081	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 2 cable entries open (2136 WS-55), 8 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 150 mm x 106 mm x 51 mm		
	2655/13 WS	1798-0-0099	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 2 cable entries open (2136 WS-55), 10 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 150 mm x 142 mm x 51 mm		
	2655/14 WS	1798-0-0107	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 2 cable entries open (2136 WS-55), 12 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 150 mm x 179 mm x 51 mm		
	2655/15 WS	1798-0-0115	10


1) Fig. similar.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	1gang 2way ¹⁾ 2601/6 WD	1084-0-0334	10
	1gang, intermediate ¹⁾ 2601/7 WD	1084-0-0359	10
	DP, 1gang 1way ¹⁾ 2601/2 WD	1084-0-0375	10
	2gang 1way 2601/5 WD	1084-0-0342	10


1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.

	Rocker switch ¹⁾ ²⁾ 1gang 2way With illumination according to German Standard workplace regulations. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	2601/6 WDGL	1084-0-0714	10


1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.
2) Neon-lamp 8346-1 included..

	Rocker switch ¹⁾ ²⁾ Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	1gang 2way 2601/6 SKWD	1084-0-0383	10/100
	DP, 1gang 1way 2601/2 SKWD	1084-0-0391	10


1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.
2) Neon-lamp 8346-1 included..


	Push switch ¹⁾ ²⁾ SP, with normally open contact (operating current) IP 66 only in connection with respective symbols. Delivery without symbol With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 66		
	2621 WD	1483-0-0106	10

1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.


	Push switch ¹⁾ ²⁾ SP, with normally open contact (operating current) IP 66 only in connection with respective symbols. Delivery without symbol With illumination according to German Standard workplace regulations. With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 66		
	2621 WDGL	1483-0-0155	10

1) Illuminable, by using lamp 8332-1, 8346-1, 8333-1.
2) Neon-lamp 8346-1 included..


Product	Article-No.	Order-No.	Pack/Qty	
	Symbol for push switch, transparent For cover 2520-... For SM switch button 2601 For SM push button 2601			
	"Light"			
	clear-transparent	2145 LI	1714-0-0211	100
	clear-transparent	"Bell"		
	clear-transparent	2145 KI	1714-0-0229	100
	clear-transparent	"Key"		
	2145 TR	1714-0-0237	100	
	red			
transparent	2145-12	1714-0-0245	100	
	without symbol			
clear-transparent	2145 N	1714-0-0203	100	

	Rocker switch with marking "Heizung-Notschalter" ¹⁾ ²⁾ 1gang, DP Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	2601/2 WDH	1084-0-0425	10

1) Illuminable, by using lamp 8332-1, 8346-1, 8333-1.
2) Neon-lamp 8346-1 included..


	Rocker switch with marking "Dachrinnen-Heizungsnotschalter" ¹⁾ ²⁾ DP, 1gang 1way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	2601/2 WDD	1084-0-0409	10


1) Illuminable, by using lamp 8332-1, 8346-1, 8333-1.
2) Neon-lamp 8346-1 included..

	SCHUKO® socket outlet ¹⁾ DP (2 P + E) impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	2300 EWD	2083-0-0186	10/50


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® plug DP (2 P + E) For waterproof socket outlet. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	74 WD	2211-0-0092	10


Product	Article-No.	Order-No.	Pack/Qty
	Cable entry Entry open, height 14mm. Protection class (Device): IP 66 Dimensions: (L x W x D): 14 mm		
	blue 2083 WD-503	1761-0-0899	10
	blue Entry closed. 2081	1761-0-0808	100
blue	Adapter plate for coupling several devices 2079	1761-0-0782	10

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch Rated voltage: 250 V~ Rated current: 16 AX Protection class (Device): IP 66		
	1gang 2way ^{1) 2)} 2601/6 WDI	1084-0-0797	10
	1gang, intermediate ^{1) 2)} 2601/7 WDI	1084-0-0805	10
	DP, 1gang 1way ^{3) 2)} 2601/2 WDI	1084-0-0821	10
	2gang 1way ³⁾ 2601/5 WDI	1084-0-0839	10


- 1) Resistant to aggressive media, e.g., ammonia, benzine, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071
- 2) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.
- 3) Resistant to aggressive media (e.g. ammonia, benzine, oils, greases, alcohol, cleansing agents, in normal concentrations). Use cable entries 2071/2070.


	Rocker switch ^{1) 2) 3)} 1gang 2way With neon lamp. Rated voltage: 250 V~ Rated current: 16 AX Protection class (Device): IP 66		
	2601/6 SKWDI	1084-0-0854	10

- 1) Resistant to aggressive media, e.g., ammonia, benzine, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071
- 2) Neon-lamp 8346-1 included..
- 3) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.


	Push switch ^{1) 2)} SP, with normally open contact (operating current) IP 66 only in connection with respective symbols. Delivery without symbol With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 66		
	2621 WDI	1483-0-0171	10

- 1) Resistant to aggressive media, e.g., ammonia, benzine, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071
- 2) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.


	Symbol for push switch, transparent For cover 2520-... For SM switch button 2601 For SM push button 2601		
	"Light" clear-transparent 2145 LI	1714-0-0211	100
	"Bell" clear-transparent 2145 KI	1714-0-0229	100
	"Key" clear-transparent 2145 TR	1714-0-0237	100
	red transparent 2145-12	1714-0-0245	100
	without symbol clear-transparent 2145 N	1714-0-0203	100


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ ²⁾ DP impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	2300 EWDI	2083-0-0343	10


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media (e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2071/2070).

	SCHUKO® socket outlet ¹⁾ ²⁾ DP impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	2300 EWSI	2083-0-0368	10


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g., ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2071/2070.

	Mounting plate For individual waterproof/tight SM devices For fixation with fastening system (fixing screws included in the delivery).		
metal clad	2609 WS	1716-0-0042	10


	Cable entry Entry open, height 14mm. Protection class (Device): IP 66 Dimensions: (L x W x D): 14 mm		
blue	2083 WD-503	1761-0-0899	10
	Entry closed.		
blue	2081	1761-0-0808	100
	Adapter plate for coupling several devices		
blue	2079	1761-0-0782	10

	Cable entry ¹⁾ Thread PG 11 for 3 x 1,5 mm Protection class (Device): IP 66		
	WDI screwed cable entry		
grey	2070	1761-0-1368	1
	WDI sealing plug		
grey	2071	1761-0-1376	1

- 1) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ ²⁾ DP Locked socket outlet. Tension-free insertion due to 2-pole deactivation. Hinged lid with bayonet joint impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	2300 EWDV	2085-0-0140	1/10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media (e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2071/2070).

	SCHUKO® plug DP (2 P + E) For waterproof socket outlet. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	74 WD	2211-0-0092	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media (e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2071/2070).

^{*)} Phase-out type

First-class solutions for high-class hotels. That something special intelligently designed.

Design, comfort and a sense of security are what characterize the atmosphere in high-class hotels. Modern electrical installation technology sets the tone for the days activities. You will transport your guests into the future with fascinating switch ranges and state-of-the-art technology for the perfect control of light, shading, climate and media. And at the same time profit from efficiency, because much will adjust itself automatically.



01



Hotel applications

- 01 Busch-iceLight® wall module Orientation
Colour: aluminium silver (83)
 - 02 Bell switch with LED display
Colour: aluminium silver (83)
 - 03 Intelligent card switch
Colour: aluminium silver (83)
 - 04 Service button with access reader and bell
Colour: aluminium silver (83)
- » Materials
Cover: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

Contents Hotel solutions



Hotel application	p. 224
Guest room management system	p. 225
Mediahub, Audio, Video, Tel and PC Integration	p. 231
Socket outlets	p. 234
Ambient, Orientation and Infolight	p. 239
Miditec Access Control Systems	p. 243

02



03



04



Feeling at home. Only more so.



01



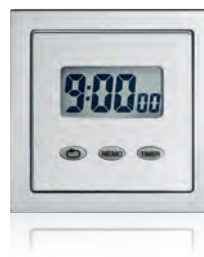
02



03



04



05



06



07



08



01 Shaver socket outlet

02 Busch-Comfort switch

03 2-gang combination with volume control and 5 cm (2") loudspeaker

04 Short-time timer

05 Switched socket outlet 13A

06 Rotary dimmer

07 Room thermostat, conventional

08 Room thermostat, KNX*

* Please find further information in the chapter ABB i-bus® KNX.

Whether room or suite: Feeling comfortable is a personal thing.



02



01 3gang combination Busch-iDock – iPod*/iPhone* docking station, Busch-DigitalRadio, 5 cm loudspeaker

02 3gang combination: media hub

03 Universal socket outlet

04 Antenna socket outlet for radio/ TV/ satellite

05 Data communications outlet, 2gang

03



04



05



The communication center in the room.

More and more private and business guests expect optimum access to media and comprehensive use of media. ABB/Busch-Jaeger offers connections and combinations for almost every type of requirement. From the classic telephone and antenna connections via network access and Internet connection up to connections for high-quality signals. iPhone* or iPod* are in perfect hands in the Busch-iDock, and in combination with a Busch-DigitalRadio provide the proper sound.

Product	Article-No.	Order-No.	Pack/Qty
	Card-Switch 10 A 1) SP, with normally open contact (operating current) Illuminable. With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
	2025 U	1012-0-1713	10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
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	alpha		
20 platinum 1)	1792-20-101	1710-0-3293	10
21 bronze 1)	1792-21-101	1710-0-3294	10
22G ivory	1792-22G-101	1710-0-3295	10
24 studio white matt	1792-24-101	1710-0-3296	10
24G studio white	1792-24G-101	1710-0-3297	10
260 palladium 1)	1792-260-101	1710-0-3305	10
266 titanium 1)	1792-266-101	1710-0-3331	10

	impuls		
72 ivory	1792-72	1753-0-0079	10
74 alpine white	1792-74	1753-0-6703	10
79 champagne metallic 1)	1792-79	1753-0-6737	10
774 studio white matt 1)	1792-774	1753-0-0190	10
775 black matt 1)	1792-775	1753-0-0159	10
777 blackberry 1)	1792-777	1753-0-0126	10
783 aluminium silver 1)	1792-783	1753-0-0080	10

	future® linear		
81 anthracite	1792-81	1710-0-3639	10
82 savanna/ivory white	1792-82	1710-0-3640	10
83 aluminium silver 1)	1792-83	1710-0-3670	10
84 davos/studio white	1792-84	1710-0-3641	10
884 studio white matt 1)	1792-884	1710-0-3928	10
885 black matt 1)	1792-885	1710-0-3905	10

1) Surface painted.

	Rocker Switch Mechanism 1) 1gang 2way Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1		
	2000/6 US-506	1012-0-1143	10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch. with marking. DO NOT DISTURB		
	future® linear		

82 savanna/ivory white	1786/11-82	1751-0-2997	10
83 aluminium silver 1)	1786/11-83	1751-0-3001	10
84 davos/studio white	1786/11-84	1751-0-2998	10
884 studio white matt 1)	1786/11-884	1751-0-3026	10
885 black matt 1)	1786/11-885	1751-0-3040	10

	pure stainless steel		
866 stainless steel	1786/11-866	1751-0-3002	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Blind switch insert 1) SP, switch With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	2000/4 US	1012-0-1309	10/100

1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

	Switch rocker For flush mounted switch 2g 1w, 2g push switch with marking. DO NOT DISTURB MAKE UP ROOM		
	future® linear		

82 savanna/ivory white	1785/11-82	1751-0-2991	10
83 aluminium silver 1)	1785/11-83	1751-0-2995	10
84 davos/studio white	1785/11-84	1751-0-2992	10
884 studio white matt 1)	1785/11-884	1751-0-3023	10
885 black matt 1)	1785/11-885	1751-0-3037	10

	pure stainless steel		
866 stainless steel	1785/11-866	1751-0-2996	10

1) Surface painted.

	Bell push-switch DND/MUR with marking "Do not Disturb" and Make up Room" two separate LED indicators with screw type terminal Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
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anthracite	2029 UC-81	delivery on request
savanna/ivory white	2029 UC-82	delivery on request
aluminium silver	2029 UC-83	delivery on request
davos/studio white	2029 UC-84	delivery on request
studio white matt	2029 UC-884	delivery on request
black matt	2029 UC-885	delivery on request

	pure stainless steel	
stainless steel	2029 UC-866	delivery on request

Product	Article-No.	Order-No.	Pack/Qty
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Shaver socket outlet

For installation into FM 2gang wall box 3030 and 3031.
 Rated voltage: 240 V, +10 % / -10 %
 Output voltage: 115 V, +10 % / -10 %
 Secondary: 240 V, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 20 VA

future® linear

82 savanna/ ivory white	2332 UJBS-82	2130-0-0290	1
83 aluminium silver ¹⁾	2332 UJBS-83	2130-0-0291	1
84 davos/studio white	2332 UJBS-84	2130-0-0292	1
884 studio white matt ¹⁾	2332 UJBS-884	2130-0-0294	1
885 black matt ¹⁾	2332 UJBS-885	2130-0-0295	1
<i>pure stainless steel ¹⁾</i>			
866 stainless steel	2332 UJBS-866	2130-0-0293	1

1) Surface painted.



Flush mounted wallbox, 2gang

For shaver socket outlet 2332 UJBS-8xx.
 Dimensions: (L x W x D): 135 mm x 75 mm x 47 mm

3030	1741-0-0067	4
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Flush mounted cavity wallbox, 2gang

For shaver socket outlet 2332 UJBS-8xx.
 Dimensions: (L x W x D): 142 mm x 82 mm x 45 mm

3031	1741-0-0068	4
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Handicapped toilet signal set ¹⁾ ²⁾ ³⁾ ⁴⁾

For setting up an emergency call system for handicapped WCs.

Consisting of: power pack insert, alarm signalling insert, signal push button insert with pullcord and cancel-button insert.

Activation of alarm signal via cord button.

Optical and acoustic emergency-call signalling outside the handicapped WC.

Comforting light when alarm signal is activated.

With cancel button for cancelling the emergency call

Labelling field for sensor: 61 x 20 mm.

Labelling field for transformer/alarm control unit: 61 x 61 mm.

Control element: Pull-cord and cancel button.

Display elements: LED flashing lamp, buzzer and comforting light.

Rated voltage: 230 V~, +10 % / -10 %

Secondary: 15 V~

Rated frequency: 50 Hz/60 Hz

Inputs: 1

Outputs: 1x Normally open contact, potential-bound

Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V~, 30 W/VA

Protection class (Device): IP 20

Temperature range (Device): 5 °C to 40 °C

future® linear

84 davos/studio white	1510 UC-84	1582-0-0329	1/10
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1) No claw. Screw-fixing via keyholes.

2) Incl. Cover plate.

3) For compatible lettering software, visit www.BUSCH-JAEGER.com.

4) Can also be used for Busch-axcent®, solo®, and carat®.

Product	Article-No.	Order-No.	Pack/Qty
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Standard control element, 1gang ¹⁾ ²⁾ ³⁾ ⁴⁾ With bus coupler enclosed.

For ABB i-bus® KNX

With labelling field.

Transparent labelling sheet with standard symbols included in delivery.

Control element: rocker switch left/right

Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 63 mm x 63 mm

future® linear

81 anthracite	6125/01-81-500	6115-0-0205	1
82 savanna/ ivory white	6125/01-82-500	6115-0-0206	1
83 aluminium silver ⁵⁾	6125/01-83-500	6115-0-0207	1
84 davos/studio white	6125/01-84-500	6115-0-0183	1
884 studio white matt ⁵⁾	6125/01-884-500	6115-0-0214	1
885 black matt ⁵⁾	6125/01-885-500	6115-0-0215	1

solo®

82 savanna/ ivory white	6125/01-82-500	6115-0-0206	1
84 davos/studio white	6125/01-84-500	6115-0-0183	1
87 toscana/purple ¹⁾	6125/01-87-500	6115-0-0209	1
803 meteor/ grey metallic ⁵⁾	6125/01-803-500	6115-0-0212	1
815 sahara/yellow	6125/01-815-500	6115-0-0213	1

Busch-axcent®

84 davos/studio white	6125/01-84-500	6115-0-0183	1
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carat®

81 anthracite	6125/01-81-500	6115-0-0205	1
82 savanna/ ivory white	6125/01-82-500	6115-0-0206	1
84 davos/studio white	6125/01-84-500	6115-0-0183	1

pure stainless steel ⁵⁾

866 stainless steel	6125/01-866-500	6115-0-0211	1
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1) For software and description please check the current e-catalogue.

2) ETS programming only from ETS 3.0f

3) See labelling sheet 1799/0x.

4) Programmable from ETS 3.0f and PowerTool 1.2.3

5) Surface painted.

¹⁾ Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Control element, 2-gang ¹⁾ ²⁾ ³⁾ ⁴⁾
With bus coupler enclosed.**
For ABB i-bus[®] KNX
With labelling field.
Transparent labelling sheet with standard symbols included in delivery.
Control element: rocker switch left/right
Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 63 mm x 63 mm

future[®] linear

81 anthracite	6126/01-81-500	6116-0-0195	1
82 savanna/ ivory white	6126/01-82-500	6116-0-0196	1
83 aluminium silver ⁵⁾	6126/01-83-500	6116-0-0197	1
84 davos/studio white	6126/01-84-500	6116-0-0174	1
884 studio white matt ⁵⁾	6126/01-884-500	6116-0-0204	1
885 black matt ⁵⁾	6126/01-885-500	6116-0-0205	1

solo[®]

82 savanna/ ivory white	6126/01-82-500	6116-0-0196	1
87 toscana/purple ^{*)}	6126/01-87-500	6116-0-0199	1
803 meteor/ grey metallic ⁵⁾	6126/01-803-500	6116-0-0202	1
815 sahara/yellow	6126/01-815-500	6116-0-0203	1

carat[®]

81 anthracite	6126/01-81-500	6116-0-0195	1
82 savanna/ ivory white	6126/01-82-500	6116-0-0196	1
84 davos/studio white	6126/01-84-500	6116-0-0174	1

pure stainless steel ⁵⁾

866 stainless steel	6126/01-866-500	6116-0-0201	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only from ETS 3.0f
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Control element, 4gang ¹⁾ ²⁾ ³⁾ ⁴⁾
With bus coupler enclosed.**
For ABB i-bus[®] KNX
With labelling field.
Transparent labelling sheet with standard symbols included in delivery.
Control element: rocker switch left/right
Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 63 mm x 63 mm

future[®] linear

81 anthracite	6127/01-81-500	6117-0-0221	1
82 savanna/ ivory white	6127/01-82-500	6117-0-0222	1
83 aluminium silver ⁵⁾	6127/01-83-500	6117-0-0223	1
84 davos/studio white	6127/01-84-500	6117-0-0200	1
884 studio white matt ⁵⁾	6127/01-884-500	6117-0-0230	1
885 black matt ⁵⁾	6127/01-885-500	6117-0-0231	1

solo[®]

82 savanna/ ivory white	6127/01-82-500	6117-0-0222	1
84 davos/studio white	6127/01-84-500	6117-0-0200	1
87 toscana/purple ^{*)}	6127/01-87-500	6117-0-0225	1
803 meteor/ grey metallic ⁵⁾	6127/01-803-500	6117-0-0228	1
815 sahara/yellow	6127/01-815-500	6117-0-0229	1

Busch-axcent[®]

84 davos/studio white	6127/01-84-500	6117-0-0200	1
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carat[®]

81 anthracite	6127/01-81-500	6117-0-0221	1
82 savanna/ ivory white	6127/01-82-500	6117-0-0222	1
84 davos/studio white	6127/01-84-500	6117-0-0200	1

pure stainless steel ⁵⁾

866 stainless steel	6127/01-866-500	6117-0-0227	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only from ETS 3.0f
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- *) Phase-out type



Flush-mounted bus coupler ¹⁾ ²⁾
For Busch-priOn[®] 1gang support frame 6346/10-10x and control elements 6122/0x-xxx, 6124/0x-xxx, 6125/0x-xxx, 6126/0x-xxx, 6127/0x-xxx, 6128/0x-xxx, 6129/0x-xxx.
The bus can be connected via enclosed terminal block.
Connections:
KNX-line: Bus terminal
Rated voltage: 24 V
Rated current: 5 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 50 mm x 45 mm x 23 mm

6120/12-101-500 6120-0-0075 1/10

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only from ETS 3.0f

Product	Article-No.	Order-No.	Pack/Qty
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Control element, 1/2gang 1) 2) 3) 4)
Multi-function/colour concept
 For ABB i-bus® KNX 6120/12-101, 6120/13.
 With labelling field.
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Transparent labelling sheet with standard symbols included in delivery.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

		future® linear		
81	anthracite	6125/02-81-500	6115-0-0216	1
82	savanna/ ivory white	6125/02-82-500	6115-0-0217	1
83	aluminium silver 5)	6125/02-83-500	6115-0-0218	1
84	davos/studio white	6125/02-84-500	6115-0-0219	1
884	studio white matt 5)	6125/02-884-500	6115-0-0226	1
885	black matt 5)	6125/02-885-500	6115-0-0227	1
		solo®		
82	savanna/ ivory white	6125/02-82-500	6115-0-0217	1
84	davos/studio white	6125/02-84-500	6115-0-0219	1
87	toscana/purple 7)	6125/02-87-500	6115-0-0221	1
803	meteor/ grey metallic 5)	6125/02-803-500	6115-0-0224	1
815	sahara/yellow	6125/02-815-500	6115-0-0225	1
		Busch-axcent®		
84	davos/studio white	6125/02-84-500	6115-0-0219	1
		carat®		
81	anthracite	6125/02-81-500	6115-0-0216	1
82	savanna/ ivory white	6125/02-82-500	6115-0-0217	1
84	davos/studio white	6125/02-84-500	6115-0-0219	1
		pure stainless steel 5)		
866	stainless steel	6125/02-866-500	6115-0-0223	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only from ETS 3.0f
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 7) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
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Control element 2/4gang 1) 2) 3) 4)
Multi-function/colour concept
 For ABB i-bus® KNX 6120/12-101, 6120/13.
 With labelling field.
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Transparent labelling sheet with standard symbols included in delivery.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

		future® linear		
81	anthracite	6126/02-81-500	6116-0-0206	1
82	savanna/ ivory white	6126/02-82-500	6116-0-0207	1
83	aluminium silver 5)	6126/02-83-500	6116-0-0208	1
84	davos/studio white	6126/02-84-500	6116-0-0209	1
884	studio white matt 5)	6126/02-884-500	6116-0-0216	1
885	black matt 5)	6126/02-885-500	6116-0-0217	1
		solo®		
82	savanna/ ivory white	6126/02-82-500	6116-0-0207	1
84	davos/studio white	6126/02-84-500	6116-0-0209	1
87	toscana/purple 7)	6126/02-87-500	6116-0-0211	1
803	meteor/ grey metallic 5)	6126/02-803-500	6116-0-0214	1
815	sahara/yellow	6126/02-815-500	6116-0-0215	1
		Busch-axcent®		
84	davos/studio white	6126/02-84-500	6116-0-0209	1
		carat®		
81	anthracite	6126/02-81-500	6116-0-0206	1
82	savanna/ ivory white	6126/02-82-500	6116-0-0207	1
84	davos/studio white	6126/02-84-500	6116-0-0209	1
		pure stainless steel 5)		
866	stainless steel	6126/02-866-500	6116-0-0213	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only from ETS 3.0f
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 7) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element, 2/4-gang with room thermostat ^{1) 2) 3) 4)} Multi-function/colour concept With labelling field. For ABB i-bus [®] KNX bus coupler 6120/12-101, 6120/13. Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. Transparent labelling sheet with standard symbols included in delivery. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: Switch contacts left/right, also for selecting setpoint and mode of operation Display elements: LCD displaying operation mode, temperature, time and date Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm future [®] linear		
81 anthracite	6128/01-81-500	6134-0-0284	1
82 savanna/ ivory white	6128/01-82-500	6134-0-0285	1
83 aluminium silver ⁵⁾	6128/01-83-500	6134-0-0286	1
84 davos/studio white	6128/01-84-500	6134-0-0261	1/10
884 studio white matt ⁵⁾	6128/01-884-500	6134-0-0293	1
885 black matt ⁵⁾	6128/01-885-500	6134-0-0294	1
	solo [®]		
82 savanna/ ivory white	6128/01-82-500	6134-0-0285	1
84 davos/studio white	6128/01-84-500	6134-0-0261	1/10
87 toscana/purple ¹⁾	6128/01-87-500	6134-0-0288	1
803 meteor/ grey metallic ⁵⁾	6128/01-803-500	6134-0-0291	1
815 sahara/yellow	6128/01-815-500	6134-0-0292	1
	Busch-axcent [®]		
84 davos/studio white	6128/01-84-500	6134-0-0261	1/10
	carat [®]		
81 anthracite	6128/01-81-500	6134-0-0284	1
82 savanna/ ivory white	6128/01-82-500	6134-0-0285	1
84 davos/studio white	6128/01-84-500	6134-0-0261	1/10
	pure stainless steel ⁵⁾		
866 stainless steel	6128/01-866-500	6134-0-0290	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only from ETS 3.0f
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element, 3/6-gang, with infrared interface ^{1) 2) 3) 4)} Multi-function/colour concept For ABB i-bus [®] KNX 6120/12-101, 6120/13. With labelling field. Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. Push switch function: switching / dimming / blind / sending values / scenes etc. To control up to 13 IR channels (RC5) using Busch-Remote control IR mobile remote control 6010-25 or 6020- .../6021... Transparent labelling sheet with standard symbols included in delivery. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm future [®] linear		
81 anthracite	6129/01-81-500	6135-0-0156	1
82 savanna/ ivory white	6129/01-82-500	6135-0-0157	1
83 aluminium silver ⁵⁾	6129/01-83-500	6135-0-0158	1
84 davos/studio white	6129/01-84-500	6135-0-0146	1
884 studio white matt ⁵⁾	6129/01-884-500	6135-0-0165	1
885 black matt ⁵⁾	6129/01-885-500	6135-0-0166	1
	solo [®]		
82 savanna/ ivory white	6129/01-82-500	6135-0-0157	1
84 davos/studio white	6129/01-84-500	6135-0-0146	1
87 toscana/purple ¹⁾	6129/01-87-500	6135-0-0160	1
803 meteor/ grey metallic ⁵⁾	6129/01-803-500	6135-0-0163	1
815 sahara/yellow	6129/01-815-500	6135-0-0164	1
	Busch-axcent [®]		
84 davos/studio white	6129/01-84-500	6135-0-0146	1
	carat [®]		
81 anthracite	6129/01-81-500	6135-0-0156	1
82 savanna/ ivory white	6129/01-82-500	6135-0-0157	1
84 davos/studio white	6129/01-84-500	6135-0-0146	1
	pure stainless steel ⁵⁾		
866 stainless steel	6129/01-866-500	6135-0-0162	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only from ETS 3.0f
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 *) Phase-out type

Product Article-No. Order-No. Pack/Qty



Control element 4/8-gang ¹⁾ ²⁾ ³⁾ ⁴⁾
Multi-function/colour concept
 For ABB i-bus[®] KNX 6120/12-101, 6120/13.
 With labelling field.
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Transparent labelling sheet with standard symbols included in delivery.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

future[®] linear

81	anthracite	6127/02-81-500	6117-0-0232	1
82	savanna/ ivory white	6127/02-82-500	6117-0-0233	1
83	aluminium silver ⁵⁾	6127/02-83-500	6117-0-0234	1
84	davos/studio white	6127/02-84-500	6117-0-0235	1
884	studio white matt ⁵⁾	6127/02-884-500	6117-0-0242	1
885	black matt ⁵⁾	6127/02-885-500	6117-0-0243	1

solo[®]

82	savanna/ ivory white	6127/02-82-500	6117-0-0233	1
84	davos/studio white	6127/02-84-500	6117-0-0235	1
87	toscana/purple ¹⁾	6127/02-87-500	6117-0-0237	1
803	meteor/ grey metallic ⁵⁾	6127/02-803-500	6117-0-0240	1
815	sahara/yellow	6127/02-815-500	6117-0-0241	1

Busch-axcent[®]

84	davos/studio white	6127/02-84-500	6117-0-0235	1
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carat[®]

81	anthracite	6127/02-81-500	6117-0-0232	1
82	savanna/ ivory white	6127/02-82-500	6117-0-0233	1
84	davos/studio white	6127/02-84-500	6117-0-0235	1

pure stainless steel ⁵⁾

866	stainless steel	6127/02-866-500	6117-0-0239	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only from ETS 3.0f
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- ^{*)} Phase-out type

Product Article-No. Order-No. Pack/Qty



Room thermostat ¹⁾ ²⁾ ³⁾ ⁴⁾
Heating/cooling operation/ colour concept
 With labelling field.
 For ABB i-bus[®] KNX bus coupler **6120/12-101, 6120/13**.
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Control element with room thermostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with 6164 U, commercially available valve drives or analogue valve drives (continuous controllers).
 The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems.
 The fan stage can be switched manually or in automatic mode.
 Transparent labelling sheet with standard symbols included in delivery.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: Switch contacts left/right for selecting setpoint and mode of operation
 Display elements: LCD showing operation modes
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

future[®] linear

81	anthracite	6124/01-81-500	6134-0-0295	1
82	savanna/ ivory white	6124/01-82-500	6134-0-0274	1
83	aluminium silver ⁵⁾	6124/01-83-500	6134-0-0275	1
84	davos/studio white	6124/01-84-500	6134-0-0248	1/10
884	studio white matt ⁵⁾	6124/01-884-500	6134-0-0282	1
885	black matt ⁵⁾	6124/01-885-500	6134-0-0283	1

solo[®]

82	savanna/ ivory white	6124/01-82-500	6134-0-0274	1
84	davos/studio white	6124/01-84-500	6134-0-0248	1/10
87	toscana/purple ¹⁾	6124/01-87-500	6134-0-0277	1
803	meteor/ grey metallic ⁵⁾	6124/01-803-500	6134-0-0280	1
815	sahara/yellow	6124/01-815-500	6134-0-0281	1

Busch-axcent[®]

84	davos/studio white	6124/01-84-500	6134-0-0248	1/10
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carat[®]

81	anthracite	6124/01-81-500	6134-0-0295	1
82	savanna/ ivory white	6124/01-82-500	6134-0-0274	1
84	davos/studio white	6124/01-84-500	6134-0-0248	1/10


pure stainless steel ⁵⁾


866	stainless steel	6124/01-866-500	6134-0-0279	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only from ETS 3.0f
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- ^{*)} Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Ambient temperature controller, fan coil with display, SM Bus coupler in delivery included (bundle) Control element for ambient temperature control with LCD and 5 operating buttons Used for single-room temperature control in heating and air-conditioning technology. The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The ambient temperature controller works in both heating and cooling mode. The fan stage can be switched manually or in automatic mode. Control element: Push-switch for turning the device on and off Push-switch for selecting the fan stages Push-switch for changing the setpoint temperatures Push-switch for switching the temperature unit between Celsius and Fahrenheit Display elements: LCD for displaying temperatures, operating modes, fan stages, and fault messages Connections: KNX-line: DP screw/clamp terminals Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 81 mm x 81 mm x 20 mm		
83 aluminium silver 1)	6138/11-83-500	6138-0-0005	1
84 davos/studio white	6138/11-84-500	6138-0-0003	1/10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Room Master, Premium, MDRC The Room Master opens up new possibilities for objects for which rooms with living areas and bathroom are controlled and can be used efficiently. Room Master was developed for these rooms, which can be typically found in hotels, hospitals, sheltered housing for senior citizens, and student dormitories. It meets all requirements on the electrical installation of this application and offers the following functions in a compact form:• Lighting control• Heating/cooling control• Shading control (using blinds or curtains)• Switching of socket outlets and loads. Due to the communication of the devices via the KNX bus, the centralised control functions and emergency calls from the rooms to a central unit can be realised. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Inputs: 13 Polling voltage: 19 V, potential-separated Outputs: 18x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm Module width: 12 MW		
	RMS 2.1	2CDG110095R0011	

	Room Master, Basic, MDRC The Room Master opens up new possibilities for objects for which rooms with living areas and bathroom are controlled and can be used efficiently. Room Master was developed for these rooms, which can be typically found in hotels, hospitals, sheltered housing for senior citizens, and student dormitories. It meets all requirements on the electrical installation of this application and offers the following functions in a compact form:• Lighting control• Heating/cooling control• Shading control (using blinds or curtains)• Switching of socket outlets and loads. Due to the communication of the devices via the KNX bus, the centralised control functions and emergency calls from the rooms to a central unit can be realised. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Inputs: 8 Polling voltage: 19 V, potential-separated Outputs: 8x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Installation depth: 68 mm Module width: 8 MW		
	RMS 1.1	2CDG110094R0011	


Product	Article-No.	Order-No.	Pack/Qty
	USB and HDMI insert gender changer plugs USB and HDMI		
	AD407-001	<i>delivery on request</i>	

	Cover plate for USB und HDMI insert AD407-001.		
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81 anthracite	AD407-002-81	<i>delivery on request</i>
82 savanna/ ivory white	AD407-002-82	<i>delivery on request</i>
83 aluminium silver ¹⁾	AD407-002-83	<i>delivery on request</i>
84 davos/studio white	AD407-002-84	<i>delivery on request</i>
884 studio white matt ¹⁾	AD407-002-884	<i>delivery on request</i>
885 black matt ¹⁾	AD407-002-885	<i>delivery on request</i>
	<i>pure stainless steel ¹⁾</i>	
866 stainless steel	AD407-002-866	<i>delivery on request</i>


1) Surface painted.

	VGA und Mini-Audio insert gender changer plugs VGA D-Sub15 and Mini-Audio TRS connector 3,5 mm stereo		
	AD409-001	<i>delivery on request</i>	


	Cover plate for VGA und Mini-Audio insert AD409-001		
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81 anthracite	AD409-002-81	<i>delivery on request</i>
82 savanna/ ivory white	AD409-002-82	<i>delivery on request</i>
83 aluminium silver	AD409-002-83	<i>delivery on request</i>
84 davos/studio white	AD409-002-84	<i>delivery on request</i>
884 studio white matt	AD409-002-884	<i>delivery on request</i>
885 black matt	AD409-002-885	<i>delivery on request</i>
	<i>pure stainless steel</i>	
866 stainless steel	AD409-002-866	<i>delivery on request</i>

	S-Video und RCA cinch insert gender changer plugs for S-Video, RCA Audio (red, white) and Video (yellow)		
	AD408-001	<i>delivery on request</i>	

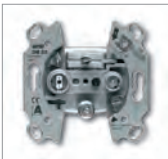
Product	Article-No.	Order-No.	Pack/Qty
	Cover plate for S-Video and RCA cinch insert AD408-001		

81 anthracite	AD408-002-81	<i>delivery on request</i>
82 savanna/ ivory white	AD408-002-82	<i>delivery on request</i>
83 aluminium silver	AD408-002-83	<i>delivery on request</i>
84 davos/studio white	AD408-002-84	<i>delivery on request</i>
884 studio white matt	AD408-002-884	<i>delivery on request</i>
885 black matt	AD408-002-885	<i>delivery on request</i>
	<i>pure stainless steel</i>	
866 stainless steel	AD408-002-866	<i>delivery on request</i>

	Blanking plate insert with metal mounting plate		
	AD410-001	<i>delivery on request</i>	

	Cover plate for blind plate insert AD410-001		
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81 anthracite	AD410-002-81	<i>delivery on request</i>
82 savanna/ ivory white	AD410-002-82	<i>delivery on request</i>
83 aluminium silver	AD410-002-83	<i>delivery on request</i>
84 davos/studio white	AD410-002-84	<i>delivery on request</i>
884 studio white matt	AD410-002-884	<i>delivery on request</i>
885 black matt	AD410-002-885	<i>delivery on request</i>
	<i>pure stainless steel</i>	
866 stainless steel	AD410-002-866	<i>delivery on request</i>

	Satellite co-axial outlets Radio/TV/SAT 3gang dead-end feeder broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0232-101	0230-0-0384	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw. future® linear		
81 anthracite	1743-81	1724-0-4252	10
82 savanna/ ivory white	1743-82	1724-0-2758	10
83 aluminium silver 3)	1743-83	1724-0-4262	10
84 davos/studio white	1743-84	1724-0-2774	10/100
884 studio white matt 3)	1743-884	1724-0-4293	10/100
885 black matt 3)	1743-885	1724-0-4298	10/100

- 1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, cat. 3 1) 1gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100

- 1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm. future® linear		
81 anthracite	1803-81	1710-0-3616	10
82 savanna/ ivory white	1803-82	1710-0-3147	10
83 aluminium silver 2)	1803-83	1710-0-3674	10
84 davos/studio white	1803-84	1710-0-3165	10/100
884 studio white matt 2)	1803-884	1710-0-3889	10
885 black matt 2)	1803-885	1710-0-3912	10

- 1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220/12-507	0230-0-0398	10

- 1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite	1803-02-81	1710-0-3615	10
82 savanna/ ivory white	1803-02-82	1710-0-3146	10
83 aluminium silver 2)	1803-02-83	1710-0-3610	10/100
84 davos/studio white	1803-02-84	1710-0-3164	10/100
884 studio white matt 2)	1803-02-884	1710-0-3888	10
885 black matt 2)	1803-02-885	1710-0-3911	10


- 1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.



Product	Article-No.	Order-No.	Pack/Qty
	Busch-iDock 1) 2) 3) 4) iPod*/iPhone* docking station for models with a dock connector. The music playback takes place through Busch-DigitalRadio 8215 U. Can be integrated as music source in Busch-AudioWorld® systems. With charging function of the contacted Apple* device. With IR receiver to control the contacted device via the Apple* Remote. Acknowledgement of the received IR commands through the integrated LED. With control function for Busch-DigitalRadio 8215 U. With AUX input (3.5 mm stereo jack) for additional playback devices. Can be installed as 1gang and in multiple combinations. *Apple, iPod, and iPhone are registered trademarks of Apple Inc. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	8218 U	8200-0-0142	1/10


- 1) No claw. Screw-fixing via keyholes.
2) Remote control not included in delivery.
3) A list of the currently compatible Apple products can be called up at www.busch-jaeger.de.
4) "Made for iPod" and "Made for iPhone" means that an electronic accessory has been specially designed for connection to an iPod or iPhone and meets the respective Apple performance specifications that have been confirmed by the designer.
Apple is not responsible for the function of this device or its conformity with safety standards and regulatory standards.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-iDock 8218 U. future® linear		
81 anthracite	8254-81	8200-0-0151	10
82 savanna/ ivory white	8254-82	8200-0-0133	10
83 aluminium silver	8254-83	8200-0-0134	10
84 davos/studio white	8254-84	8200-0-0135	10
884 studio white matt ¹⁾	8254-884	8200-0-0139	10
885 black matt ¹⁾	8254-885	8200-0-0140	10
	solo®		
82 savanna/ ivory white	8254-82	8200-0-0133	10
84 davos/studio white	8254-84	8200-0-0135	10
87 toscana/(purple ^{*)})	8254-87	8200-0-0136	10
803 meteor/ grey metallic ¹⁾	8254-803	8200-0-0137	10
815 sahara/yellow	8254-815	8200-0-0138	10
	Busch-axcent®		
84 davos/studio white	8254-84	8200-0-0135	10
	carat®		
81 anthracite	8254-81	8200-0-0151	10
82 savanna/ ivory white	8254-82	8200-0-0133	10
84 davos/studio white	8254-84	8200-0-0135	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As a cover for volume controllers. Suitable for the "LR 15 mono BJ UP" devices of WHD. future® linear		
82 savanna/ ivory white	1740 DR/03-82	1710-0-3807	10
83 aluminium silver ¹⁾	1740 DR/03-83	1710-0-3811	10
84 davos/studio white	1740 DR/03-84	1710-0-3808	10
884 studio white matt ¹⁾	1740 DR/03-884	1710-0-3870	10
885 black matt ¹⁾	1740 DR/03-885	1710-0-3892	10
	<i>pure stainless steel</i>		
866 stainless steel	1740 DR/03-866	1710-0-3812	10
1) Surface painted.			


Product	Article-No.	Order-No.	Pack/Qty
	Loudspeaker insert ¹⁾ 5 cm (2") For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screwless terminals. Rated output: 2 W (RMS) Frequency response: 150 - 16,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Installation depth: 34 mm		
81 anthracite	8221 U	8200-0-0012	1/10
1) No claw. Screw-fixing via keyholes.			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. Busch-Duro 2000® SI		
212 white	8251-212	8200-0-0018	10
	Reflex SI		
214 alpine white	8251-214	8200-0-0019	10
	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. <i>alpha</i>		
20 platinum ¹⁾	8251-20	8200-0-0020	10
21 bronze ¹⁾	8251-21	8200-0-0021	10
22G ivory	8251-22G	8200-0-0022	10
24 studio white matt	8251-24	8200-0-0023	10
24G studio white	8251-24G	8200-0-0024	10
260 palladium ¹⁾	8251-260	8200-0-0029	10
266 titanium ¹⁾	8251-266	8200-0-0030	10
1) Surface painted.			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. future® linear		
81 anthracite	8251-81	8200-0-0031	10
82 savanna/ ivory white	8251-82	8200-0-0032	10
83 aluminium silver ¹⁾	8251-83	8200-0-0039	10
84 davos/studio white	8251-84	8200-0-0033	10
884 studio white matt ¹⁾	8251-884	8200-0-0121	10
885 black matt ¹⁾	8251-885	8200-0-0124	10
	solo®		
82 savanna/ ivory white	8251-82	8200-0-0032	10
84 davos/studio white	8251-84	8200-0-0033	10
87 toscana/(purple ^{*)})	8251-87	8200-0-0036	10
803 meteor/ grey metallic ¹⁾	8251-803	8200-0-0105	10
815 sahara/yellow	8251-815	8200-0-0104	10
	Busch-axcent®		
84 davos/studio white	8251-84	8200-0-0033	10
	carat®		
81 anthracite	8251-81	8200-0-0031	10
82 savanna/ ivory white	8251-82	8200-0-0032	10
84 davos/studio white	8251-84	8200-0-0033	10
	<i>pure stainless steel ¹⁾</i>		
866 stainless steel	8251-866	8200-0-0040	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	FT DigitalRadio ¹⁾ Complete set Ready-to-install complete set for mono operation. Consists of FT DigitalRadio 8215 U. Consists of speaker insert 8223 U. Consists of cover plate for FT DigitalRadio insert 8253-84. Consists of cover plate for speaker insert 8253-84. Consists of 2gang future [®] linear cover frame 1722-184K. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	84 davos/studio white 8220-84	8200-0-0111	1/10
1) No claw. Screw-fixing via keyholes.			

	Busch-iDock ¹⁾ Complete set Ready-to-install complete set for mono operation. Consisting of Busch-iDock 8218 U. Consists of FT DigitalRadio 8215 U. Consists of speaker insert 8223 U. Consists of the cover plate for Busch-iDock 8254-84. . Consists of cover plate for FT DigitalRadio insert 8253-84. Consists of cover plate for speaker insert 8253-84. Consisting of 3-gang future [®] linear cover frames. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	84 davos/studio white 8230-84	8200-0-0132	1/10
1) No claw. Screw-fixing via keyholes.			

Product	Article-No.	Order-No.	Pack/Qty
	13 A Switched socket outlet 1gang With screw-type terminal. SP switched Without claw. Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2 future [®] linear		
	81 anthracite 2190 EUC-81	2190-0-0216	10/100
82 savanna/ ivory white	2190 EUC-82	2190-0-0213	10/100
83 aluminium silver ¹⁾	2190 EUC-83	2190-0-0214	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100
884 studio white matt ¹⁾	2190 EUC-884	2190-0-0218	10
885 black matt ¹⁾	2190 EUC-885	2190-0-0219	10
carat [®]			
81 anthracite	2190 EUC-81	2190-0-0216	10/100
82 savanna/ ivory white	2190 EUC-82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100
solo [®]			
82 savanna/ ivory white	2190 EUC-82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100
Busch-axcent [®]			
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100
pure stainless steel ¹⁾			
866 stainless steel	2190 EUC-866	2190-0-0217	10
1) Surface painted.			

	International socket outlet 13A ¹⁾ 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
	alpha		
22G ivory	2197 EUC-22G-500	delivery on request	
24G studio white	2197 EUC-24G-500	delivery on request	
260 palladium ²⁾	2197 EUC-260-500	delivery on request	
266 titanium ²⁾	2197 EUC-266-500	delivery on request	
1) Usage may be restricted in certain countries.			
2) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A future® linear		
81 anthracite	2197 EUC-81-500		delivery on request
82 savanna/ ivory white	2197 EUC-82-500		delivery on request
83 aluminium silver ¹⁾	2197 EUC-83-500		delivery on request
84 davos/studio white	2197 EUC-84-500		delivery on request
	solo®		
82 savanna/ ivory white	2197 EUC-82-500		delivery on request
84 davos/studio white	2197 EUC-84-500		delivery on request
	Busch-axcent®		
84 davos/studio white	2197 EUC-84-500		delivery on request
	carat® ²⁾		
81 anthracite	2197 EUC-81-500		delivery on request
82 savanna/ ivory white	2197 EUC-82-500		delivery on request
84 davos/studio white	2197 EUC-84-500		delivery on request
	pure stainless steel ²⁾ ¹⁾		
866 stainless steel	2197 EUC-866-500		delivery on request




SCHUKO® socket outlet ¹⁾
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A


future® linear

81 anthracite	20 EUC-81	2011-0-3801	10/100
82 savanna/ ivory white	20 EUC-82	2011-0-3721	10/100
83 aluminium silver ²⁾	20 EUC-83	2011-0-3798	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
884 studio white matt ²⁾	20 EUC-884	2011-0-3879	10/100
885 black matt ²⁾	20 EUC-885	2011-0-3883	10/100
	solo®		
82 savanna/ ivory white	20 EUC-82	2011-0-3721	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
87 toscana/purple ¹⁾	20 EUC-87	2011-0-3737	10/100
803 meteor/ grey metallic ²⁾	20 EUC-803	2011-0-3875	10/100
815 sahara/yellow	20 EUC-815	2011-0-3872	10/100
	Busch-axcent®		
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
	carat®		
81 anthracite	20 EUC-81	2011-0-3801	10/100
82 savanna/ ivory white	20 EUC-82	2011-0-3721	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
	pure stainless steel		
866 stainless steel	20 EUC-866	2011-0-3850	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A future® linear		
81 anthracite	20 EUC-81	2018-0-1486	10
82 savanna/ ivory white	20 EUC-82	2018-0-1465	10
83 aluminium silver ²⁾	20 EUC-83	2018-0-1487	10
84 davos/studio white	20 EUC-84	2018-0-1467	10/100
884 studio white matt ²⁾	20 EUC-884	2018-0-1494	10
885 black matt ²⁾	20 EUC-885	2018-0-1495	10
	solo®		
82 savanna/ ivory white	20 EUC-82	2018-0-1465	10
84 davos/studio white	20 EUC-84	2018-0-1467	10/100
87 toscana/purple ¹⁾	20 EUC-87	2018-0-1473	10
803 meteor/ grey metallic ²⁾	20 EUC-803	2018-0-1493	10
815 sahara/yellow	20 EUC-815	2018-0-1492	10
	Busch-axcent®		
84 davos/studio white	20 EUC-84	2018-0-1467	10/100
	carat®		
81 anthracite	20 EUC-81	2018-0-1486	10
82 savanna/ ivory white	20 EUC-82	2018-0-1465	10
84 davos/studio white	20 EUC-84	2018-0-1467	10/100
	pure stainless steel		
866 stainless steel	20 EUC-866	2018-0-1490	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
	future® linear		
81 anthracite	2310 EUGL/VA-81-11	2011-0-3830	1
82 savanna/ ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
83 aluminium silver 2)	2310 EUGL/VA-83-11	2011-0-3832	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
884 studio white matt 2)	2310 EUGL/VA-884-11	2011-0-3882	1
885 black matt 2)	2310 EUGL/VA-885-11	2011-0-3885	1
	solo®		
82 savanna/ ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
87 toscana/purple 1)	2310 EUGL/VA-87-11	2011-0-3836	1
803 meteor/ grey metallic 2)	2310 EUGL/VA-803-11	2011-0-3877	1
815 sahara/yellow	2310 EUGL/VA-815-11	2011-0-3874	1
	Busch-axcent®		
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
	carat®		
81 anthracite	2310 EUGL/VA-81-11	2011-0-3830	1
82 savanna/ ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
	pure stainless steel		
866 stainless steel	2310 EUGL/VA-866-11	2011-0-3853	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
	future® linear		
82 ivory	20 EUCBL-82	2013-0-5284	10
83 aluminium silver 2)	20 EUCBL-83	2013-0-5285	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10
884 studio white matt 2)	20 EUCBL-884	2013-0-5336	10
885 black matt 2)	20 EUCBL-885	2013-0-5330	10
	solo®		
82 ivory	20 EUCBL-82	2013-0-5284	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10
	Busch-axcent®		
84 studio white	20 EUCBL-84	2013-0-5286	10
	carat®		
82 ivory	20 EUCBL-82	2013-0-5284	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10
	pure stainless steel 3)		
866 stainless steel	20 EUCBL-866	2013-0-5289	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
3) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	Busch-Duro 2000® SI		
212 white	20 EUCBLI-212	2013-0-5290	10
	Reflex SI		
214 alpine white	20 EUCBLI-214	2013-0-5291	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet Busch-steplight® 1) 2)
Night orientation light
 with separate connection cables for switch contact.
 with LED.
 Shuttered.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

future® linear

82 ivory	20 EUCBLI-82	2013-0-5292	10
83 aluminium silver 2)	20 EUCBLI-83	2013-0-5293	10
84 studio white	20 EUCBLI-84	2013-0-5294	10
884 studio white matt 3)	20 EUCBLI-884	2013-0-5326	10
885 black matt 3)	20 EUCBLI-885	2013-0-5331	10

solo®

82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10

Busch-axcent®

84 studio white	20 EUCBLI-84	2013-0-5294	10
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carat®

82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.
 3) Surface painted.

2-gang Euro American socket outlet, 10A



2gang
 With screw-type terminal.
 SP switched
 Without claw.
 Rated voltage: 250 V~
 Rated current: 10 A

future® linear

81 anthracite	2192-02 UC-81-500	delivery on request
82 savanna/ivory white	2192-02 UC-82-500	delivery on request
83 aluminium silver 1)	2192-02 UC-83-500	delivery on request
84 davos/studio white	2192-02 UC-84-500	delivery on request

89 stone/light grey 1)	2192-02 UC-89-500	delivery on request
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solo®

82 savanna/ivory white	2192-02 UC-82-500	delivery on request
84 davos/studio white	2192-02 UC-84-500	delivery on request

Busch-axcent®

84 davos/studio white	2192-02 UC-84-500	delivery on request
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carat®

81 anthracite	2192-02 UC-81-500	delivery on request
82 savanna/ivory white	2192-02 UC-82-500	delivery on request
84 davos/studio white	2192-02 UC-84-500	delivery on request

pure stainless steel 1)

866 stainless steel	2192-02 UC-866-500	delivery on request
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- 1) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Chinese socket outlet, 10 A
 1gang
 With screw-type terminal.
 Without claw.
 According to Chinese standard: GB 2099.1
 Rated voltage: 250 V~
 Rated current: 10 A
 Rated current: 10 A

future® linear

81 anthracite	2193 EUC/10-81-500	delivery on request
82 savanna/ivory white	2193 EUC/10-82-500	delivery on request
84 davos/studio white	2193 EUC/10-84-500	delivery on request

solo®

82 savanna/ivory white	2193 EUC/10-82-500	delivery on request
84 davos/studio white	2193 EUC/10-84-500	delivery on request

Busch-axcent®

84 davos/studio white	2193 EUC/10-84-500	delivery on request
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carat®

81 anthracite	2193 EUC/10-81-500	delivery on request
82 savanna/ivory white	2193 EUC/10-82-500	delivery on request
84 davos/studio white	2193 EUC/10-84-500	delivery on request

pure stainless steel 1)

866 stainless steel	2193 EUC/10-866-500	delivery on request
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- 1) Surface painted.

Chinese socket outlet, 16 A



1gang
 With screw-type terminal.
 Without claw.
 According to Chinese standard: GB 2099.1
 Rated voltage: 250 V~
 Rated current: 16 A

future® linear

81 anthracite	2193 EUC/16-81-500	delivery on request
83 aluminium silver 1)	2193 EUC/16-83-500	delivery on request
84 davos/studio white	2193 EUC/16-84-500	delivery on request

solo®

84 davos/studio white	2193 EUC/16-84-500	delivery on request
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Busch-axcent®

84 davos/studio white	2193 EUC/16-84-500	delivery on request
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carat®

81 anthracite	2193 EUC/16-81-500	delivery on request
84 davos/studio white	2193 EUC/16-84-500	delivery on request


pure stainless steel 1)


866 stainless steel	2193 EUC/16-866-500	delivery on request
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- 1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Chinese and Euro American socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A future® linear		
81 anthracite	2195 EUC/10-81-500		delivery on request
82 savanna/ ivory white	2195 EUC/10-82-500		delivery on request
83 aluminium silver 1)	2195 EUC/10-83-500		delivery on request
84 davos/studio white	2195 EUC/10-84-500		delivery on request
	solo®		
82 savanna/ ivory white	2195 EUC/10-82-500		delivery on request
84 davos/studio white	2195 EUC/10-84-500		delivery on request
	Busch-axcent®		
84 davos/studio white	2195 EUC/10-84-500		delivery on request
	carat®		
81 anthracite	2195 EUC/10-81-500		delivery on request
82 savanna/ ivory white	2195 EUC/10-82-500		delivery on request
84 davos/studio white	2195 EUC/10-84-500		delivery on request
	pure stainless steel 1)		
866 stainless steel	2195 EUC/10-866-500		delivery on request

1) Surface painted.

	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
212 white	2196 EUC-212-500		

	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A alpha		
22G ivory	2196 EUC-22G-500		delivery on request
260 palladium 1)	2196 EUC-260-500		delivery on request
266 titanium 1)	2196 EUC-266-500		delivery on request

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A future® linear		
81 anthracite	2196 EUC-81-500		delivery on request
82 savanna/ ivory white	2196 EUC-82-500		delivery on request
83 studio white 1)	2196 EUC-83-500		delivery on request
84 davos/studio white	2196 EUC-84-500		delivery on request
	solo®		
82 savanna/ ivory white	2196 EUC-82-500		delivery on request
84 davos/studio white	2196 EUC-84-500		delivery on request
	Busch-axcent®		
84 davos/studio white	2196 EUC-84-500		delivery on request
	carat®		
81 anthracite	2196 EUC-81-500		delivery on request
82 savanna/ ivory white	2196 EUC-82-500		delivery on request
84 davos/studio white	2196 EUC-84-500		delivery on request
	pure stainless steel 1)		
866 stainless steel	2196 EUC-866-500		delivery on request

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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Info light unit ^{1) 2)}
 Size of information field 43 x 43 mm.
 Long service life of the lighting element (LEDs).
 Homogeneous backlighting of the information field.
 Rated voltage: 230 V~

2062 U	1511-0-0115	1/10
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- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Cover plate ^{1) 2)}
 As cover for flush mounted info light.
 For insert 2062 U.
 Size of information field 43 x 43 mm.

Busch-Duro 2000® SI

212 white	2562-212	1731-0-1919	1
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Reflex SI

214 alpine white	2562-214	1731-0-1920	1
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- 1) Included with the cover are 46 different text labels and symbols.
 2) See labelling sheet 1799 xx.



Cover plate ^{1) 2)}
 As cover for flush mounted info light.
 For insert 2062 U.
 Size of information field 43 x 43 mm.

20 platinum ³⁾	1716-20	1731-0-1929	1
21 bronze ³⁾	1716-21	1731-0-1930	1
22 ivory	1716-22	1731-0-1931	1
24 studio white matt	1716-24	1731-0-1932	1
24G studio white	1716-24G	1731-0-1933	1
260 palladium ³⁾	1716-260	1731-0-1938	1
266 titanium ³⁾	1716-266	1731-0-1939	1

- 1) Included with the cover are 46 different text labels and symbols.
 2) See labelling sheet 1799 21.
 3) Surface painted.



Cover plate ^{1) 2)}
 As cover for flush mounted info light.
 For insert 2062 U.
 Size of information field 43 x 43 mm.

impuls

72 ivory	1716-72	1731-0-1951	1
74 alpine white	1716-74	1731-0-1942	1
79 champagne metallic ³⁾	1716-79	1731-0-1944	1
774 studio white matt ³⁾	1716-774	1731-0-1984	1
775 black matt ³⁾	1716-775	1731-0-1983	1
777 blackberry ³⁾	1716-777	1731-0-1972	1
783 aluminium silver ³⁾	1716-783	1731-0-1952	1

- 1) Included with the cover are 46 different text labels and symbols.
 2) See labelling sheet 1799 21.
 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate ^{1) 2)}
 As cover for flush mounted info light.
 For insert 2062 U.
 Size of information field 43 x 43 mm.

future® linear

81 anthracite	1716-81	1731-0-1921	1
82 savanna/ivory white	1716-82	1731-0-1922	1
83 aluminium silver ³⁾	1716-83	1731-0-1950	1
84 davos/studio white	1716-84	1731-0-1923	1
884 studio white matt ³⁾	1716-884	1731-0-1978	1
885 black matt ³⁾	1716-885	1731-0-1980	1

solo®

82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
87 toscana/purple ³⁾	1716-87	1731-0-1926	1
803 meteor/grey metallic ³⁾	1716-803	1731-0-1976	1
815 sahara/yellow	1716-815	1731-0-1974	1

Busch-axcent®

84 davos/studio white	1716-84	1731-0-1923	1
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carat®

81 anthracite	1716-81	1731-0-1921	1
82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1

pure stainless steel

866 stainless steel	1716-866	1731-0-1955	1
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- 1) Included with the cover are 46 different text labels and symbols.
 2) See labelling sheet 1799 21.
 3) Surface painted.
 *) Phase-out type

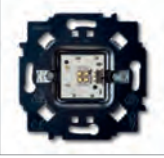


Flush-mounted LED insert ^{1) 2)}
Power module


For Busch-iceLight wall and ceiling module Type 2068/xx.
 High brightness, e.g. for the display of information.
 Colour temperature: 2,700 K (warm white)
 Not dimmable.
 Light intensity can be switched between 100% and 25% using front service switch.
 System power consumption: 5 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 350 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/11 U	1510-0-0001	1
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- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Flush-mounted LED insert 1) 2) Power module For Busch-iceLight wall and ceiling module Type 2068/xx. High brightness, e.g. for the display of information. Colour temperature: 4,000 K (neutral white) Not dimmable. Light intensity can be switched between 100% and 25% using front service switch. System power consumption: 5 W Rated voltage: 230 V~, + 10% / - 10% Current consumption of LED: 350 mA (secondary) Secondary: SELV Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Temperature range (Device): 0 °C to 40 °C EN 62031/VDE 0715-5 of Jan. 2009</p>	2067/12 U	1510-0-0002	1/10

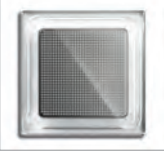
1) Use relay inserts when switching through movement sensors or comfort switches.
2) For switching the LED flush mounted insert use switches without orientation light only.

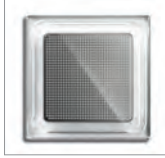
 <p>Flush-mounted LED insert 1) 2) Night light For Busch-iceLight wall and ceiling module Type 2068/xx. For low brightness (night light). Colour temperature: 3,000 K (warm white) Not dimmable. System power consumption: 0.15 W Rated voltage: 230 V~, + 10% / - 10% Current consumption of LED: 40 mA (secondary) Secondary: SELV Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Temperature range (Device): 0 °C to 40 °C EN 62031/VDE 0715-5 of Jan. 2009</p>	2067/13 U	1510-0-0012	1/10
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1) Use relay inserts when switching through movement sensors or comfort switches.
2) For switching the LED flush mounted insert use switches without orientation light only.


 <p>Flush-mounted LED insert 1) 2) Night light For Busch-iceLight wall and ceiling module Type 2068/xx. For low brightness (night light). Colour temperature 6,500 K (cold white) Not dimmable. System power consumption: 0.15 W Rated voltage: 230 V~, + 10% / - 10% Current consumption of LED: 40 mA (secondary) Secondary: SELV Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Temperature range (Device): 0 °C to 40 °C EN 62031/VDE 0715-5 of Jan. 2009</p>	2067/14 U	1510-0-0013	1/10
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1) Use relay inserts when switching through movement sensors or comfort switches.
2) For switching the LED flush mounted insert use switches without orientation light only.

 <p>Wall module solo/future® linear 1 lighting direction For ambient and orientation lightning. Light outlet top or bottom. Suitable for decorative insert types 2144-19, 2144/1x-19, and 2144/2x-19. Standard decorative insert 2144-19 premounted when delivered. Dimensions: (L x W x D): 63 mm x 63 mm x 15 mm</p>	2068/11-84	1510-0-0005	1/10
	Reflex SI NEW 2068/11-214	1510-0-0003	1/10
	alpha 2068/11-24	1510-0-0004	1/10


Product	Article-No.	Order-No.	Pack/Qty
 <p>Wall module solo/future® linear 5 lighting directions/Infolight For ambient, orientation lightning and Infolight. Light outlet on all four sides and front. Suitable for decorative insert and pictogram types 2144/xx-19 and 2144-19. Standard decorative insert 2144-19 premounted when delivered. Dimensions: (L x W x D): 63 mm x 63 mm x 15 mm</p>	2068/14-84	1510-0-0008	1/10
	Reflex SI NEW 2068/14-214	1510-0-0006	1/10
	alpha 2068/14-24	1510-0-0007	1/10

 <p>Pictogram Ladies'/mens' toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.</p>	19 metal clad	2144/41-19	1799-0-0925	10
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 <p>Pictogram Ladies' toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.</p>	19 metal clad	2144/42-19	1799-0-0926	10
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 <p>Pictogram Men's toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.</p>	19 metal clad	2144/43-19	1799-0-0927	10
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 <p>Pictogram Handicapped toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.</p>	19 metal clad	2144/44-19	1799-0-0928	10
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 <p>Pictogram Diaper changing room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.</p>	19 metal clad	2144/45-19	1799-0-0929	10
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 <p>Pictogram Bathroom/shower For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.</p>	19 metal clad	2144/46-19	1799-0-0930	10
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Product	Article-No.	Order-No.	Pack/Qty
	Pictogram No smoking For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/47-19	1799-0-0931	10
	Pictogram Photography prohibited For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/48-19	1799-0-0932	10
	Pictogram Mobile telephones prohibited For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/49-19	1799-0-0933	10
	Pictogram Quiet, please! For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/50-19	1799-0-0934	10
	Pictogram Please do not disturb! For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/51-19	1799-0-0935	10
	Pictogram Directional For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/52-19	1799-0-0936	10
	Pictogram Entry prohibited For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/53-19	1799-0-0937	10
	Pictogram Stairs For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/54-19	1799-0-0938	10

Product	Article-No.	Order-No.	Pack/Qty
	Pictogram Elevator For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/55-19	1799-0-0939	10
	Pictogram Output For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/56-19	1799-0-0940	10
	Pictogram Parking lot For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/57-19	1799-0-0941	10
	Pictogram Please wait! For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/58-19	1799-0-0942	10
	Pictogram Information point For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/59-19	1799-0-0943	10
	Pictogram Cloakroom For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/60-19	1799-0-0944	10
	Pictogram Break room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/61-19	1799-0-0945	10
	Pictogram WLAN zone For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/62-19	1799-0-0946	10

Product	Article-No.	Order-No.	Pack/Qty
	Pictogram Nurse For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/63-19	1799-0-0947	10
	Pictogram Doctor For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/64-19	1799-0-0948	10
	Pictogram Seminar room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/65-19	1799-0-0949	10
	Pictogram Conference room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/66-19	1799-0-0950	10
	Pictogram Restaurant For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/67-19	1799-0-0951	10
	Pictogram Breakfast room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/68-19	1799-0-0952	10
	Pictogram Kitchenette For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/69-19	1799-0-0953	10
	Pictogram Smokers' room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/70-19	1799-0-0954	10

Product	Article-No.	Order-No.	Pack/Qty
	Flush-mounted emergency light ¹⁾ ²⁾ with LED lighting Battery buffer time larger 3 hours. Two colours adjustable: white/blue Reduction to 50% of brightness after one hour. During the emergency lighting it can be switched on and off over a +/- 12 V input. Rated voltage: 230 V~		
	2066 U	1511-0-0116	1

- 1) Use relay inserts when switching through movement sensors or comfort switches.
- 2) For switching the LED flush mounted insert use switches without orientation light only.

	Cover plate As cover for flush-mounted emergency light. For insert 2066 U. Material: zinc die-casting coated.		
10 silver	1756-10	1753-0-4873	1
16 anthracite	1756-16	1753-0-4874	1

Product	Article-No.	Order-No.	Pack/Qty
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Miditec offline bell push switch DND/MUR 1)
 Status indicator for "Make Up Room" (MUR) and "Do Not Disturb" (DND).
 RS485 interface (2-wire) for connection to HDC920 BJE.
 Power supply via an external power pack.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.2 W
 Maximum current consumption: 100 mA
 Ambient temperature: -10 to +55°C

H420 BJE

1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*®, *solo*®, *future*®, *future*® linear, and *Busch-axcent*® from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.



Miditec offline push switch DND/MUR 1)
 Push-switch for the hotel room for the activation of the external displays "Make Up Room" (MUR) and "Do Not Disturb" (DND).
 RS485 interface (2-wire) for connection to H420 BJE.
 Power supply via an external power pack.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.2 W
 Maximum current consumption: 100 mA
 Ambient temperature: -10 to +55°C

HC920 BJE

1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*®, *solo*®, *future*®, *future*® linear, and *Busch-axcent*® from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.



Miditec online/offline bell push reader DND/ MUR, reader Milock Hotel 1)
 Online/offline reader with contact-free RFID technology (13.56 MHz)
 Status indicator for "Make Up Room" (MUR) and "Do Not Disturb" (DND).
 Doorbell push-switch
 RS485 interface (2-wire) for connection to H420 BJE.
 Power supply via an external power pack.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.8 W
 Maximum current consumption: 150 mA
 Ambient temperature: -10 to +55°C

HRC420 BJE

1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*®, *solo*®, *future*®, *future*® linear, and *Busch-axcent*® from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.



Miditec online/offline reader Milock Hotel 1)
 Online/offline reader with contact-free RFID technology (13.56 MHz)
 RS485 interface (2-wire) for connection to door controller.
 Power supply via an external power pack.
 Only with MTZ Milock Hotel Access.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.2 W
 Maximum current consumption: 100 mA
 Ambient temperature: -10 to +55°C

HRC400 BJE

1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*®, *solo*®, *future*®, *future*® linear, and *Busch-axcent*® from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.

Product	Article-No.	Order-No.	Pack/Qty
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Miditec energy-saving terminal with online/offline reader. 1)
 Online/offline reader with contact-free RFID technology (13.56 MHz)
 RS485 interface (2-wire) for connection to H420 BJE.
 Release of power circuits via the door controller for light and electronic devices (air conditioner, TV, etc.) through the insertion of a Milock RFID card.
 Power supply via an external power pack.
 Only with MTZ Milock Hotel Access.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.8 W
 Maximum current consumption: 150 mA
 Ambient temperature: -10 to +55°C

HRC910 BJE

1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*®, *solo*®, *future*®, *future*® linear, and *Busch-axcent*® from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.



Communication systems. Communication is the gateway to the world.

Phone, TV and Internet – modern life is hard to imagine without them. But without the right connections transmitter the signals never arrive. Future-proof solutions for modern communication devices are thus in demand!



01



Communication systems

- 01 Optic fibre.
Switch series solo®. Colour: davos/studio white.
- 02 Loudspeaker connecting unit.
Switch series pure stainless steel.
Colour: pure stainless steel.
- 03 Universal data-connecting unit.
Switch series solo®. Colour: davos/studio white.
- 04 Cover plate with support ring for communication connector. With label field.
Switch series alpha. Colour: studio white.

- » Materials
Cover: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), free of PVC and halogen.

Contents Communication systems



Universal data-connecting units and cover plates	p. 248
Telephone connecting unit connecting sockets and cover plates	p. 250
Antenna socket inserts and cover plates	p. 252
Cover plates for other systems	p. 253
Loudspeaker connecting units and cover plates	p. 256
Cover plates for modular jack inserts	p. 257
Intermediate rings for other systems	p. 257
Intermediate rings with hinged lid	p. 258
Flush-mounted equipotential plug	p. 262
Flush-mounted housing for wall installation	p. 262
Overview of bases for data communication systems	p. 263
Cover plates for data communication systems	p. 263
Flush mounted devices with aluminium diecast covers (IP 41)	p. 264
Cover plates for Ackermann „clino opt 99“	p. 265

02



03

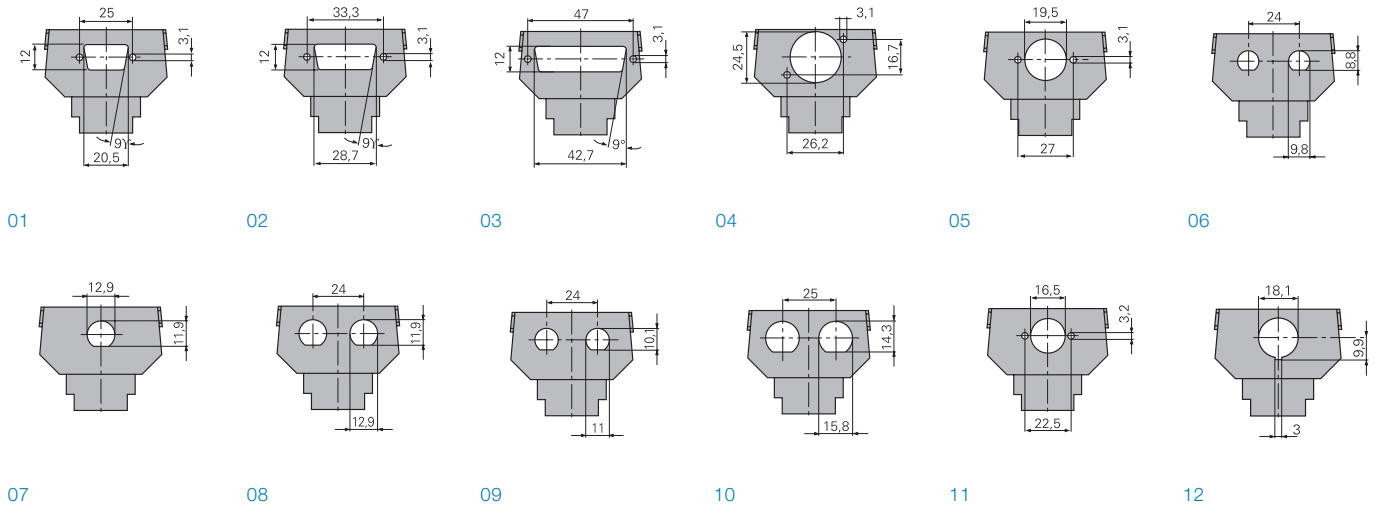


04



Communication systems

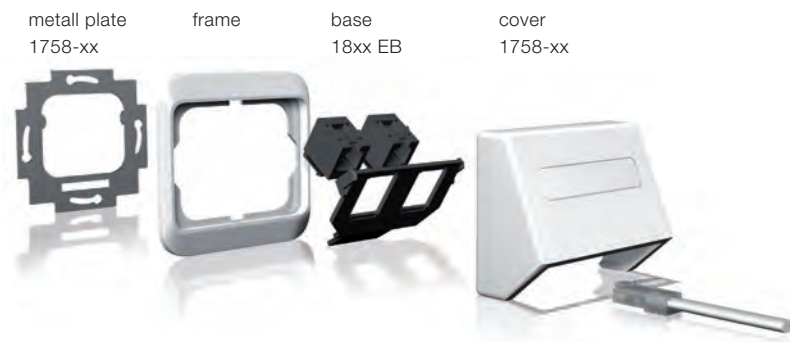
Base for:



TAE = telephone connecting unit

01	9-pole D-Sub miniature socket and VGA 15-pole Accessories: 9-pole socket connector	1850 EB 0200	06	2 x BNC/TNC sockets for solder connection	1855 EB
02	15-pole D-Sub miniature socket Accessories: 15-pole socket connector	1851 EB 0201	07	BNC/TNC installation cable socket	1856 EB
03	25-pole D-Sub miniature socket Accessories: 25-pole socket connector	1852 EB 0202	08	2 x BNC/TNC installation cable socket	1857 EB
04	XLR installation audio socket, Type FP	1853 EB	09	2 x BNC/installation socket	1858 EB
05	XLR installation plug Audio, Type MP	1854 EB	10	2 x UHF socket	1859 EB
			11	Diode installation socket for screw mounting	1860 EB
			12	Diode installation socket/plug	1861 EB

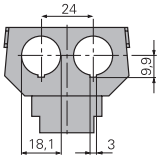
From the computer network to the patient call system: communication has many aspects and systems available today. That makes life easier, more mobile and more global.



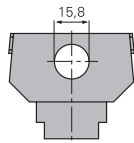
How it all connects

Different plugs and jacks from other companies can be capped using a cover plate that matches the switch range. Where this is not possible, special fixing plates, supporting frames and adapters can be used which ABB/Busch-Jaeger can supply in many variations. In this way visual continuity is ensured.

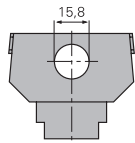
Connections create independence



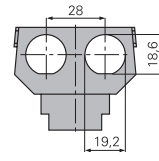
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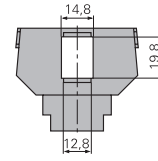
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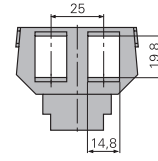
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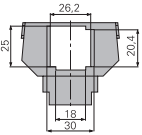
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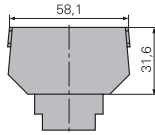
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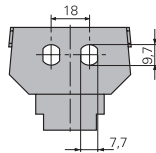
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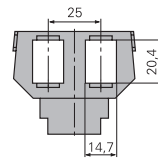
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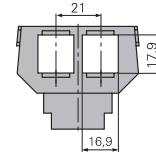
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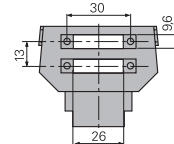
21



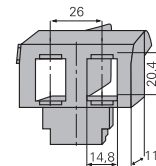
22



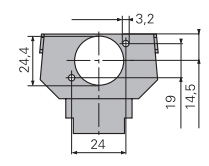
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24




25




26

13	2 x Diode installation socket/plug	1862 EB	
14	UHF socket	1863 EB	
15	Twinax installation socket	1864 EB	
16	2 x Twinax installation socket	1865 EB	
17	1 x 6-pole and 8-pole modular jack	1866 EB	
	Accessories: Modular jack 6-pole	0210	
	8-pole	0211	
18	2 x 6-pole and 8-pole modular jack	1867 EB	
	Accessories: Modular jack 6-pole	0210	
	8-pole	0211	
19	4-pole LAN data plug (local area network)	1868 EB	
20	Closed	1869 EB	
21	OWG installation connector 2 x ST	1870 EB	
22	2 x 6-pole and 8-pole modular jack	1871 EB	
23	2 x 6-pole and 8-pole modular jack	1872 EB	
24	OWG installation connector 2 x Duplex SC	1874 EB	
25	2 x 8-pole modular jack Cat. 5	1875 EB	
26	XLR installation plug/socket, Series D	1876 EB	




Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, cat. 3 ¹⁾ 1gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100


1) To fit cover plate 1803-xxx.

	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220-507	0230-0-0397	10


1) To fit cover plate 1803-xxx.

	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0216	0230-0-0276	1/10

1) To fit cover plate 1803-xxx.


	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0221-507	0230-0-0399	10

1) To fit cover plate 1803-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
		Busch-Duro 2000® SI	

212 white **1803-212** 1753-0-8949 10


214 alpine white **1803-214** 1753-0-8394 10

	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
		<i>alpha</i>	

20 platinum ¹⁾ **1803-20** 1753-0-8410 10
 21 bronze ¹⁾ **1803-21** 1753-0-8428 10
 22G ivory **1803-22G** 1710-0-2603 10
 24 studio white matt **1803-24** 1753-0-8436 10
 24G studio white **1803-24G** 1710-0-2025 10
 260 palladium ¹⁾ **1803-260** 1710-0-3322 10
 266 titanium ¹⁾ **1803-266** 1710-0-3348 10


	Cover plate		
		<i>impuls</i>	
72 ivory	1803-72	1753-0-0085	10
74 alpine white	1803-74	1753-0-8964	10
79 champagne metallic ¹⁾	1803-79	1753-0-8998	10
774 studio white matt ¹⁾	1803-774	1753-0-0194	10
775 black matt ¹⁾	1803-775	1753-0-0162	10
777 blackberry ¹⁾	1803-777	1753-0-0130	10
783 aluminium silver ¹⁾	1803-783	1753-0-0087	10

1) Surface painted.

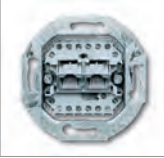
Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEVG 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	future® linear		
81 anthracite	1803-81	1710-0-3616	10
82 savanna/ ivory white	1803-82	1710-0-3147	10
83 aluminium silver ²⁾	1803-83	1710-0-3674	10
84 davos/studio white	1803-84	1710-0-3165	10/100
884 studio white matt ²⁾	1803-884	1710-0-3889	10
885 black matt ²⁾	1803-885	1710-0-3912	10
	solo®		
82 savanna/ ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
87 toscana/purple ¹⁾	1803-87	1710-0-3219	10
803 meteor/ grey metallic ²⁾	1803-803	1710-0-3852	10
815 sahara/yellow	1803-815	1710-0-3832	10
	Busch-axcent®		
84 davos/studio white	1803-84	1710-0-3165	10/100
	carat®		
81 anthracite	1803-81	1710-0-3616	10
82 savanna/ ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
	pure stainless steel ²⁾		
866 stainless steel	1803-866	1710-0-3763	10/100

1) Labelling sheets 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type


	Strain relief adapter For flush-mounted installation. with strain relief and cable guide With two cable binders. Suitable for all Universal data connecting unit sockets, part no.s 0220... and 0221...		
	0222-507	0230-0-0401	10

	Universal data connection box with down-leading outlet ¹⁾ 2 gang internally parallel connected With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0214	0230-0-0235	10/100

1) Suitable for cover plate 1803-02-xxx.

	Universal data connection box with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0215	0230-0-0243	10


1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220/12-507	0230-0-0398	10

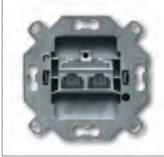
1) Suitable for cover plate 1803-02-xxx.

	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0217	0230-0-0284	10


1) Suitable for cover plate 1803-02-xxx.


	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. with claw		
	0221/12-507	0230-0-0400	10


1) Suitable for cover plate 1803-02-xxx.

	Data-connection boxes, RJ45, cat 6a, shielded ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Cable entry freely selectable. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Without claw. Installation depth: 38 mm		
	0218	0230-0-0376	1/10


1) Suitable for cover plate 1803-02-xxx.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
	Busch-Duro 2000® SI		
	212 white	1803-02-212	1753-0-8956
214 alpine white	Reflex SI		
	1803-02-214	1753-0-8402	10/100
215 black	1803-02-215	1753-0-9111	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
	<i>alpha</i>		
	20 platinum ¹⁾	1803-02-20	1753-0-8485
21 bronze ¹⁾	1803-02-21	1753-0-8493	10
22G ivory	1803-02-22G	1710-0-2611	10
24 studio white matt	1803-02-24	1753-0-8501	10
24G studio white	1803-02-24G	1710-0-2033	10
260 palladium ¹⁾	1803-02-260	1710-0-3321	10/100
266 titanium ¹⁾	1803-02-266	1710-0-3347	10/100

Product	Article-No.	Order-No.	Pack/Qty	
	<i>impuls</i>			
	72 ivory	1803-02-72	1753-0-0083	10
	74 alpine white	1803-02-74	1753-0-9004	10
	79 champagne metallic ¹⁾	1803-02-79	1753-0-9038	10
	774 studio white matt ¹⁾	1803-02-774	1753-0-0192	10
	775 black matt ¹⁾	1803-02-775	1753-0-0161	10
	777 blackberry ¹⁾	1803-02-777	1753-0-0129	10
	783 aluminium silver ¹⁾	1803-02-783	1753-0-0084	10


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	future® linear		
	81 anthracite	1803-02-81	1710-0-3615
82 savanna/ivory white	1803-02-82	1710-0-3146	10
83 aluminium silver ²⁾	1803-02-83	1710-0-3610	10/100
84 davos/studio white	1803-02-84	1710-0-3164	10/100
884 studio white matt ²⁾	1803-02-884	1710-0-3888	10
885 black matt ²⁾	1803-02-885	1710-0-3911	10
solo®			
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
87 toscana/purple ¹⁾	1803-02-87	1710-0-3218	10
803 meteor/grey metallic ²⁾	1803-02-803	1710-0-3853	10
815 sahara/yellow	1803-02-815	1710-0-3833	10
Busch-axcent®			
84 davos/studio white	1803-02-84	1710-0-3164	10/100
carat®			
81 anthracite	1803-02-81	1710-0-3615	10
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
pure stainless steel ²⁾			
866 stainless steel	1803-02-866	1710-0-3764	10/100


1) Labelling sheets 1799 18 and labelling software.

2) Surface painted.

^{*)} Phase-out type


Product	Article-No.	Order-No.	Pack/Qty	
	Telephone unit connection box 6 F+N For 1 telephone or 1 transmission unit (e.g. fax, answering machine, modem etc.) 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw			
	white	0241/02	0230-0-0385	10
	alpine white	0241/04	0230-0-0386	10
black	0241/05	0230-0-0387	10	


Product	Article-No.	Order-No.	Pack/Qty	
	Telephone unit connection box 2x6/6 NFF For 2 telephones and 1 auxiliary device or 1 data transmission unit (e.g. fax, answering machine, modem etc.) 2 x 6/6 pole for 2 subscriber lines. Design in accordance with DIN 41715. Screw contacts with claw			
	white	0242/02	0230-0-0388	10
	alpine white	0242/04	0230-0-0389	10
black	0242/05	0230-0-0390	10	

Product	Article-No.	Order-No.	Pack/Qty
	Telephone unit connection box 3x6 NFN		
	For 1 telephone and 2 auxiliary devices or 2 data transmission units (e.g. fax, answering machine, modem etc.)		
	3 x 6 pole for 1 subscriber line.		
	Design in accordance with DIN 41715. Screw contacts with claw		
white	0243/02	0230-0-0391	10
alpine white	0243/04	0230-0-0392	10
black	0243/05	0230-0-0393	10


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box 8(6)/ telephone unit 6F+N - connection box 1) 2 x 6-pole		
	with straight outlet, with screw contacts, Universal data-connection boxes: RJ 11/12, ISDN capable Cat. 3 in acc. with IEC 603-7/German Standard DIN EN 60603-7, Telecommunication outlet (telephone unit): for 1 telephone, 1 auxiliary device or 1 data transmission unit, with claw		
white	UAE 8(6)TAE 6 F+N	0230-0-0381	10/100

1) Suitable for cover plate 2539-xxx, 1766-xxx and 1746-2xx-FN.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate		
	for telephone connection unit For loudspeaker connection box Suitable for part number 0248/Ox-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	Busch-Duro 2000® SI		
212 white	2539-212	1724-0-0434	10/100
	Reflex SI		
214 alpine white	2539-214	1724-0-0913	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate		
	for telephone connection unit For loudspeaker connection box Suitable for part number 0248/Ox-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	<i>alpha</i>		
20 platinum 1)	1766-20	1753-0-2629	10
21 bronze 1)	1766-21	1753-0-2637	10
22G ivory	1766-22G	1710-0-2496	10
24 studio white matt	1766-24	1753-0-2645	10
24G studio white	1766-24G	1753-0-7743	10
260 palladium 1)	1766-260	1710-0-3310	10/100
266 titanium 1)	1766-266	1710-0-3336	10/100
	<i>impuls</i>		
72 ivory	1766-72	1753-0-0055	10
74 alpine white	1766-74	1753-0-4989	10
79 champagne metallic 1)	1766-79	1753-0-5465	10
774 studio white matt 1)	1766-774	1753-0-0176	10
775 black matt 1)	1766-775	1753-0-0148	10
777 blackberry 1)	1766-777	1753-0-0116	10
783 aluminium silver 1)	1766-783	1753-0-0056	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate		
	for telephone connection unit For loudspeaker connection box Suitable for part number 0248/Ox-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	future® linear		
81 anthracite	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
83 aluminium silver 1)	1766-83	1710-0-3659	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
884 studio white matt 1)	1766-884	1710-0-3926	10
885 black matt 1)	1766-885	1710-0-3903	10


	solo®		
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
87 toscana/purple 1)	1766-87	1710-0-3216	10
803 meteor/grey metallic 1)	1766-803	1710-0-3854	10
815 sahara/yellow	1766-815	1710-0-3834	10

	Busch-axcent®		
84 davos/studio white	1766-84	1710-0-3162	10/100

	carat®		
81 anthracite	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100

	pure stainless steel		
866 stainless steel	1766-866	1710-0-3765	10/100

1) Surface painted.
2) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1)		
	for telephone connection unit For loudspeaker connection box Suitable for part number 0248/Ox-101. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
20 platinum 2)	1746-20 FN	1753-0-1753	10
21 bronze 2)	1746-21 FN	1753-0-1761	10
22G ivory	1746-22G FN	1710-0-2488	10
24 studio white matt	1746-24 FN	1753-0-1779	10
24G studio white	1746-24G FN	1753-0-7719	10
260 palladium 2)	1746-260 FN	1710-0-3311	10
266 titanium 2)	1746-266 FN	1710-0-3337	10


1) See inserts telephone unit.
2) Real metal surface.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) Socket outlet		
	Quante telephone socket (TDO)		
	Busch-Duro 2000® SI		
212 white	1762-212-506	1724-0-0269	10/100
	Reflex SI		
214 alpine white	1762-214-506	1724-0-1705	10/100

1) Suitable insert: TDO 3x 10 OUP (for 1 telephone and 2 auxiliary devices).
2) Fig. similar.

Product	Article-No.	Order-No.	Pack/Qty
	Standard cover plate 1) 50 x 50 mm, For Quante telephone socket (TDO). Usable only in combination with adapter ring without hinged lid Art. No. 1746-212-101, 1746/10-22G and adapter ring with hinged lid Art. No. 1746-2x-101.		
212 white	1759-506	1724-0-0426	10


1) See Adapter rings for 50 x 50 mm covers.


	Cover plate As cover for telephone connector boxes (VDo). can be knocked out for single or double connection.		
	Busch-Duro 2000® SI		
212 white	2536-212	1724-0-0244	10
	Reflex SI		
214 alpine white	2536-214	1724-0-0921	10

	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
	future®linear		
81 anthracite	1745-81	1710-0-3624	10
82 savanna/ ivory white	1745-82	1710-0-3155	10
83 aluminium silver 1)	1745-83	1710-0-3675	10
84 davos/studio white	1745-84	1710-0-3173	10
884 studio white matt 1)	1745-884	1710-0-3874	10
885 black matt 1)	1745-885	1710-0-3896	10
	solo®		
82 savanna/ ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
87 toscana/purple 1)	1745-87	1710-0-3227	10
803 meteor/ grey metallic 1)	1745-803	1710-0-3855	10
815 sahara/yellow	1745-815	1710-0-3835	10
	Busch-axcent®		
84 davos/studio white	1745-84	1710-0-3173	10
	carat®		
81 anthracite	1745-81	1710-0-3624	10
82 savanna/ ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
	pure stainless steel		
866 stainless steel	1745-866	1710-0-3766	10


1) Surface painted.

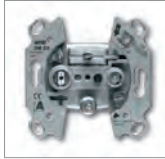
*) Phase-out type


	Cover plate Suitable for telecommunication (ADo), telephone sockets, as well as for teletypewriter, data transfer devices and modem plugs.		
	Busch-Duro 2000® SI		
212 white	2535-212	1724-0-0236	10
	Reflex SI		
214 alpine white	2535-214	1724-0-0905	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
	future® linear		
81 anthracite	2533-81	1724-0-4254	10
82 savanna/ ivory white	2533-82	1724-0-4255	10
83 aluminium silver 1)	2533-83	1724-0-4261	10
84 davos/studio white	2533-84	1724-0-4256	10
884 studio white matt 1)	2533-884	1724-0-4296	10
885 black matt 1)	2533-885	1724-0-4301	10
	carat®		
81 anthracite	2533-81	1724-0-4254	10
82 savanna/ ivory white	2533-82	1724-0-4255	10
84 davos/studio white	2533-84	1724-0-4256	10
	pure stainless steel		
866 stainless steel	2533-866	1724-0-4270	10

1) Surface painted.


	Satellite co-axial outlets Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	2 connectors/dead-end feeder		
	0230-101	0230-0-0250	10/100
	2 connectors/loop through type		
	0231-101	0230-0-0268	10

	Satellite co-axial outlets Radio/TV/SAT 3gang dead-end feeder broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0232-101	0230-0-0384	10/100


	Terminating resistor 75 Ohm		
	0239	0230-0-0201	10/100


	TV outlet 1) Single, non isolated for connection to a TV or FM co-axial aerial lead Rated frequency: 5-860 MHz BS 3041, IEC 60169-2		
212 white	1743-01-212-500	1724-0-2737	10
214 alpine white	1743-01-214-500	1724-0-2738	10

1) Fig. similar.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
	Busch-Duro 2000® SI		
212 white	2531-212	1724-0-0194	10/100
	Reflex SI		
214 alpine white	2531-214	1724-0-0897	10/100
215 black	2531-215	1724-0-1200	10

1) See inserts for satellite coaxial socket outlets.


	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
	<i>alpha</i>		
20 platinum ²⁾	1743-20	1753-0-1126	10
21 bronze ²⁾	1743-21	1753-0-1449	10
22G ivory	1743-22G	1710-0-2454	10
24 studio white matt	1743-24	1753-0-1589	10
24G studio white	1743-24G	1753-0-7628	10
260 palladium ²⁾	1743-260	1724-0-2791	10
266 titanium ²⁾	1743-266	1724-0-2796	10

	<i>impuls</i>		
72 ivory	1743-72	1753-0-0039	10
74 alpine white	1743-74	1753-0-4963	10
79 champagne metallic ³⁾	1743-79	1753-0-5440	10
774 studio white matt ³⁾	1743-774	1753-0-0168	10
775 black matt ³⁾	1743-775	1753-0-0140	10
777 blackberry ³⁾	1743-777	1753-0-0109	10
783 aluminium silver ³⁾	1743-783	1753-0-0040	10

1) See inserts for satellite coaxial socket outlets.

2) Real metal surface.

3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
	future® linear		
81 anthracite	1743-81	1724-0-4252	10
82 savanna/ ivory white	1743-82	1724-0-2758	10
83 aluminium silver ³⁾	1743-83	1724-0-4262	10
84 davos/studio white	1743-84	1724-0-2774	10/100
884 studio white matt ³⁾	1743-884	1724-0-4293	10/100
885 black matt ³⁾	1743-885	1724-0-4298	10/100

	solo®		
82 savanna/ ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
87 toscana/purple ³⁾	1743-87	1724-0-2769	10
803 meteor/ grey metallic ³⁾	1743-803	1724-0-4291	10
815 sahara/yellow	1743-815	1724-0-4288	10

	Busch-axcent®		
84 davos/studio white	1743-84	1724-0-2774	10/100
	carat®		
81 anthracite	1743-81	1724-0-4252	10
82 savanna/ ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100


	<i>pure stainless steel</i>		
866 stainless steel	1743-866	1724-0-4271	10/100

1) Third opening can be knocked out.


2) See inserts for satellite coaxial socket outlets.


3) Surface painted.

*) Phase-out type


	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
	Busch-Duro 2000® SI		
212 white	1743-03-212	1724-0-1747	10/100
	Reflex SI		
214 alpine white	1743-03-214	1724-0-1754	10/100

1) See inserts for satellite coaxial socket outlets.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
	<i>alpha</i>		
20 platinum ²⁾	1743-03-20-101	1724-0-2747	10
21 bronze ²⁾	1743-03-21-101	1724-0-2748	10
22G ivory	1743-03-22G	1724-0-2463	10
24 studio white matt	1743-03-24	1724-0-1853	10
24G studio white	1743-03-24G	1724-0-1911	10
260 palladium ²⁾	1743-03-260	1724-0-2792	10/100
266 titanium ²⁾	1743-03-266	1724-0-2797	10/100

	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
	<i>impuls</i>		
72 ivory	1743-03-72	1753-0-0036	10
74 alpine white	1743-03-74	1753-0-4773	10
79 champagne metallic ³⁾	1743-03-79	1753-0-5846	10
774 studio white matt ³⁾	1743-03-774	1753-0-0167	10
775 black matt ³⁾	1743-03-775	1753-0-0139	10
777 blackberry ³⁾	1743-03-777	1753-0-0108	10
783 aluminium silver ³⁾	1743-03-783	1753-0-0038	10

- 1) See inserts for satellite coaxial socket outlets.
- 2) Real metal surface.
- 3) Surface painted.

	Cover plate ¹⁾ 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet EVU 02 F, GEVU 15 S from Hirschmann. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.		
	Busch-Duro 2000 [®] SI ²⁾		
212 white	1743-04-212	1753-0-8626	10
	Reflex SI ³⁾		
214 alpine white	1743-04-214	1753-0-8642	10


- 1) See adapter ring 1746/10x.
- 2) Suitable for programs Busch-Duro 2000[®] SI: -212, *alpha nea*[®], *alpha exclusive*[®]: -22G, *future*[®], *future*[®] linear, *carat*[®]: -82, *impuls*: -72.
- 3) Compatible with ranges Reflex SI: Colour 214, *alpha nea*[®], *alpha exclusive*[®]: Colour 24G, *Busch-axcent*[®], *future*[®], *future*[®] linear, *carat*[®]: Colour 84 and *impuls*: Colour 74.

	Cover plate ¹⁾ 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet SAT400/ EAS/DC, EAS 405, 413 DAS from Ankaro. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.		
	Busch-Duro 2000 [®] SI ²⁾		
212 white	1743/10-04-212	1753-0-8634	10
	Reflex SI ³⁾		
214 alpine white	1743/10-04-214	1753-0-8659	10


- 1) See adapter ring 1746/10x.
- 2) Suitable for programs Busch-Duro 2000[®] SI: -212, *alpha nea*[®], *alpha exclusive*[®]: -22G, *future*[®], *future*[®] linear, *carat*[®]: -82, *impuls*: -72.
- 3) Compatible with ranges Reflex SI: Colour 214, *alpha nea*[®], *alpha exclusive*[®]: Colour 24G, *Busch-axcent*[®], *future*[®], *future*[®] linear, *carat*[®]: Colour 84 and *impuls*: Colour 74.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. With down-leading outlet. For IBM ACS-/Reichle & De-Massari dual connection moduls together with modul module supports 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
	Busch-Duro 2000 [®] SI		
212 white	1801-212	1753-0-8154	10
	Reflex SI		
214 alpine white	1801-214	1753-0-8162	10

- 1) Lettering sheets 1799, 1799 05 and lettering software.


	Cover plate ¹⁾ with labelling field. With down-leading outlet. For IBM ACS-/Reichle & De-Massari dual connection moduls together with modul module supports 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
	Busch-Duro 2000 [®] SI		
20 platinum ²⁾	1801-20	1753-0-9251	10
21 bronze ²⁾	1801-21	1753-0-9269	10
22G ivory	1801-22G	1710-0-2629	10
24 studio white matt	1801-24	1753-0-8139	10
24G studio white	1801-24G	1710-0-2694	10
260 palladium ²⁾	1801-260	1710-0-3319	10
266 titanium ²⁾	1801-266	1710-0-3345	10

- 1) Lettering sheets 1799, 1799 05 and lettering software.
- 2) Real metal surface.
- 3) Surface painted.


	Module carrier For Art. No. 1801-...		
alpine white	1801 EB-10	1764-0-0323	200
anthracite	1801 EB-16	1764-0-0331	1

	Cover plate ¹⁾ ²⁾ with labelling field. With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LWL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
	Busch-Duro 2000 [®] SI		
212 white	1802-212	1753-0-8170	10
	Reflex SI		
214 alpine white	1802-214	1753-0-8188	10

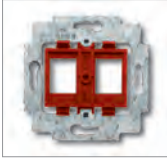
- 1) Lettering sheets 1799, 1799 05 and lettering software.
- 2) Thomas & Betts Clips 025-1099-1BK (black), IBM 58 G 6873 025-1099-1W (white), IBM 58 G 6965 IBM MiniC Clips 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ ²⁾ with labelling field. With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LWL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
20 platinum ³⁾	1802-20	1753-0-9335	10
21 bronze ⁴⁾	1802-21	1753-0-9343	10
22G ivory	1802-22G	1710-0-2637	10
24 studio white matt	1802-24	1753-0-8147	10
24G studio white	1802-24G	1710-0-2702	10
260 palladium ⁴⁾	1802-260	1710-0-3320	10
266 titanium ⁴⁾	1802-266	1710-0-3346	10

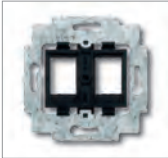
- 1) Lettering sheets 1799, 1799 05 and lettering software.
- 2) Thomas & Betts Clips
025-1099-1BK (black), IBM 58 G 6873
025-1099-1W (white), IBM 58 G 6965
IBM MiniC Clips
51 H 7903 (black),
51 H 7904 (white),
51 H 7961 (cream)
- 3) Real metal surface.
- 4) Surface painted.

	Supporting frame ¹⁾ ²⁾ With green insert For 2 modular jack inserts. For systems: CommScope (AVAYA / AT&T / Lucent Technologies), GigaSPEED, PowerSUM, 360 GS 10E bis MGS 600-BK, M1 BH-xx, MPS 100E-xx. With R&M adapter R310694 suitable for R&M connection modules R305111, R305112, R305113 and R305114. Pitch dimensions: (WxH) approx. 16.9 x 17.9 mm Without claw.		
	1810	1753-0-8048	10/100

- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
- 2) For further information, please refer on the Internet.

	Supporting frame ¹⁾ ²⁾ With red insert For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. For systems: AMP / tyco Electronics, BTR, EFB, Krone, Panduit, Quante, Radiall, Setec, Dr.-Ing. Sieger, Telena, Thomas & Betts For Telegärtner AMJ/UMJ connection modules/couplings. For 2 fiber optic modules of the following types: 3M-Volition, Krone, mvk Pitch dimensions: (WxH) approx. 14.8 x 19.4 mm Without claw.		
	1812	1753-0-8055	10/100


- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
- 2) For further information, please refer on the Internet.

Product	Article-No.	Order-No.	Pack/Qty
	Supporting frame ¹⁾ ²⁾ With black insert For MTRJ or 2 modular jack inserts. For systems: Ackermann, AMP / tyco Electronics (Slim Line (SL) -SM 2gang/switches: 110Connect Jacks, Toolless Jacks / Standard 110Connect Jacks), Brand-Rex, CombiNet, EFB Electronic, Telena. For 2 fiber optic modules of the following types: AMP / tyco Electronics MTRJ. Pitch dimensions: (WxH) approx. 14.8 x 20.4 mm Without claw.		
	1814	1753-0-8063	10/100

- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
- 2) For further information, please refer on the Internet.

	Supporting frame ¹⁾ ²⁾ With blue insert For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III. Pitch dimensions: (WxH) approx. 16.0 x 11.0 mm Without claw.		
	1816	1710-0-3100	10/100


- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
- 2) For further information, please refer on the Internet.

	Supporting frame ¹⁾ ²⁾ With orange base. For 2 modular jack inserts. For system: LexCom 150 and LexCom 250. Pitch dimensions: (WxH) approx. 15.4 x 15.4 mm. Without claw.		
	1819	1753-0-8056	10/100



- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
- 2) For further information, please refer on the Internet.


	Supporting frame ¹⁾ ²⁾ With grey base. For 2 modular jack inserts. For system: Panduit MiniCom (Cu. z.B. TX6 10 Gig Shielded Jack modules and fiber optic modules. Pitch dimensions: (WxH) approx. 15.9 x 18.7 mm. Without claw.		
	1820	1753-0-8057	10/100


- 1) Compatibility with other manufacturers not listed is to be checked in accordance with specified snap-in dimensions.
- 2) For further information, please refer on the Internet.


	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 41.5 x 10 mm.		
	Busch-Duro 2000® SI		
212 white	1800-212	1753-0-8022	10/100
	Reflex SI		
214 alpine white	1800-214	1753-0-8030	10/100


- 1) Lettering sheets 1799, 1799 05 and lettering software.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 41.5 x 10 mm.		
<i>alpha</i>			
20 platinum ²⁾	1800-20	1753-0-9178	10
21 bronze ²⁾	1800-21	1753-0-9186	10
22G ivory	1800-22G	1710-0-2645	10
24 studio white matt	1800-24	1753-0-8121	10
24G studio white	1800-24G	1710-0-2710	10
260 palladium ²⁾	1800-260	1710-0-3318	10
266 titanium ²⁾	1800-266	1710-0-3344	10
	<i>impuls</i>		
72 ivory	1800-72	1753-0-0081	10
74 alpine white	1800-74	1753-0-8667	10
79 champagne metallic ²⁾	1800-79	1753-0-8691	10
774 studio white matt ²⁾	1800-774	1753-0-0191	10
775 black matt ²⁾	1800-775	1753-0-0160	10
777 blackberry ²⁾	1800-777	1753-0-0127	10
783 aluminium silver ²⁾	1800-783	1753-0-0082	10
1) Lettering sheets 1799, 1799 05 and lettering software. 2) Surface painted.			


	Cover plate ¹⁾ with labelling field. For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816, 1818, 1819 and 1820. Size of labelling field: 60.2 x 9.2 mm.		
<i>future[®] linear</i>			
81 anthracite	1800-81	1710-0-3627	10
82 savanna/ivory white	1800-82	1710-0-3158	10
83 aluminium silver ²⁾	1800-83	1710-0-3676	10
84 davos/studio white	1800-84	1710-0-3176	10/100
884 studio white matt ²⁾	1800-884	1710-0-3887	10
885 black matt ²⁾	1800-885	1710-0-3910	10
<i>solo[®]</i>			
82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10/100
87 toscana/purple ¹⁾	1800-87	1710-0-3230	10
803 meteor/grey metallic ²⁾	1800-803	1710-0-3856	10
815 sahara/yellow	1800-815	1710-0-3836	10
<i>Busch-axcent[®]</i>			
84 davos/studio white	1800-84	1710-0-3176	10/100
<i>carat[®]</i>			
81 anthracite	1800-81	1710-0-3627	10
82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10/100
<i>pure stainless steel</i>			
866 stainless steel	1800-866	1710-0-3767	10
1) Labelling sheets 1799 18 and labelling software. 2) Surface painted. 3) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Universal module, RJ45, real Cat. 6a, shielded ¹⁾ 1gang For installation in installation adapter 0219/12 or 0219/13. Also suited for mounting into cover plate 2561 and bases 1812, 1866 EB, and 1867 EB. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Design according to E DIN IEC 60 603-7-5:2003-03. Housing made from diecast zinc. With integrated dust-protection cap (can be removed if necessary). Bend-radius optimised cable feed (30°). With insulation displacement connection Clearly colour-coded connection identification. For data cables with a diameter of 6 -10 mm. For wires of AWG 24-22. Protection class (Device): IP 21		
metal clad	0219	0230-0-0394	1/10
1) With assembly adapters appropriate for telephone unit cover plates 2539-21x and 1766-xxx.			

	Flush-mounted assembly adapter For the accommodation of one or two universal modules 0219. For flush-mounted installation. Suitable for telephone unit cover plates 2539-21x and 1766-xxx.		
metal clad	0219/12	0230-0-0395	1/10

	Channel assembly adapter For the accommodation of one or two universal modules 0219. For channel and under-floor installation. Suitable for telephone unit cover plates 2539-21x and 1766-xxx.		
metal clad	0219/13	0230-0-0396	1/10

	Stereo loudspeaker connection box ¹⁾ With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
white	0248/02-101	0230-0-0402	10/100
1) Suitable for cover telephone unit 1766-xxx and 2539-21x.			

	Stereo loudspeaker connection box ¹⁾ With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
alpine white	0248/04-101	0230-0-0403	10/100
1) Suitable for cover telephone unit 1766-xxx and 2539-21x.			

	Stereo loudspeaker connection box ¹⁾ With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
black	0248/05-101	0230-0-0404	10/100
1) Suitable for cover telephone unit 1766-xxx and 2539-21x.			

Product Article-No. Order-No. Pack/Qty



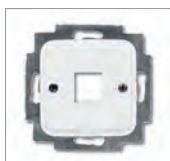
Modular-Jack insert
6-pole Cat. 3 (AMP-No. 216000-2)
For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in.
For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).

0210 0225-0-0078 10



Modular-Jack insert
8-pole Cat. 3 (AMP-No. 216005-4)
For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in.
For conductor cross-sections of 0.12 mm² (AWG 26) to 0.35 mm² (AWG 22).

0211 0225-0-0086 10



Cover plate
With metal mounting plate
For 1 modular jack insert.
Suitable for Art. Nos. 0210, 0211, and 0219.
Without claw.

Busch-Duro 2000® SI

212 white **2561-212** 1753-0-3825 10/100

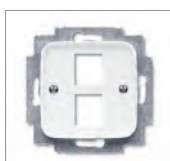
214 alpine white **2561-214** 1753-0-3833 10/100



Cover plate
With metal mounting plate
For 2 modular jack inserts.
Suitable for Art. Nos. 0210, 0211, and 0219.
Without claw.

20 platinum ¹⁾	2561-20	1753-0-3916	10
21 bronze ¹⁾	2561-21	1753-0-3924	10
22G ivory	2561-22G	1710-0-2504	10
24 studio white matt	2561-24	1753-0-3932	10
24G studio white	2561-24G	1753-0-7776	10
260 palladium ¹⁾	2561-260	1710-0-3314	10
266 titanium ¹⁾	2561-266	1710-0-3340	10

1) Surface painted.



Cover plate
With metal mounting plate
For 2 modular jack inserts.
Suitable for Art. No. 0210 and 0211.
Without claw.

Busch-Duro 2000® SI

212 white **2561-02-212** 1753-0-3957 10/100

214 alpine white **2561-02-214** 1753-0-3965 10



Cover plate
With metal mounting plate
For 2 modular jack inserts.
Suitable for Art. No. 0210 and 0211.
Without claw.

20 platinum ¹⁾	2561-02-20	1753-0-4047	10
21 bronze ¹⁾	2561-02-21	1753-0-4054	10
22G ivory	2561-02-22G	1710-0-2512	10
24 studio white matt	2561-02-24	1753-0-4062	10
24G studio white	2561-02-24G	1753-0-7800	10
260 palladium ¹⁾	2561-02-260	1710-0-3315	10
266 titanium ¹⁾	2561-02-266	1710-0-3341	10

1) Surface painted.

Product Article-No. Order-No. Pack/Qty



Intermediate ring
For using round combi-devices (45 mm diameter) in cover frame.

Busch-Duro 2000® SI

212 white **2519-212** 1726-0-0066 10

214 alpine white Reflex SI **2519-214** 1726-0-0025 10



Cover plate
For telecommunication.
With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.

Busch-Duro 2000® SI

212 white **1746-212-101** 1726-0-0173 10/100

214 alpine white Reflex SI **1746-214-101** 1726-0-0181 10/100



Cover plate
For telecommunication.
With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.

alpha


20 platinum ¹⁾	1746/10-20	1753-0-8550	10
21 bronze ¹⁾	1746/10-21	1753-0-8568	10
22G ivory	1746/10-22G	1710-0-2652	10
24 studio white matt	1746/10-24	1753-0-8576	10
24G studio white	1746/10-24G	1710-0-2744	10
260 palladium ¹⁾	1746/10-260	1710-0-3312	10
266 titanium ¹⁾	1746/10-266	1710-0-3338	10





impuls


72 ivory	1746/10-72	1753-0-0041	10
74 alpine white	1746/10-74	1753-0-9046	10
79 champagne metallic ¹⁾	1746/10-79	1753-0-9079	10
774 studio white matt ¹⁾	1746/10-774	1753-0-0170	10
775 black matt ¹⁾	1746/10-775	1753-0-0141	10
777 blackberry ¹⁾	1746/10-777	1753-0-0110	10
783 aluminium silver ¹⁾	1746/10-783	1753-0-0042	10


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	future® linear		
81 anthracite	1746/10-81	1710-0-3628	10
82 savanna/ ivory white	1746/10-82	1710-0-3521	10
83 aluminium silver ¹⁾	1746/10-83	1710-0-3677	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
884 studio white matt ¹⁾	1746/10-884	1710-0-3875	10
885 black matt ¹⁾	1746/10-885	1710-0-3897	10
	solo®		
82 savanna/ ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
87 toscana/purple ¹⁾	1746/10-87	1710-0-3525	10
803 meteor/ grey metallic ¹⁾	1746/10-803	1710-0-3857	10
815 sahara/yellow	1746/10-815	1710-0-3837	10
	Busch-axcent®		
84 davos/studio white	1746/10-84	1710-0-3522	10/100
	carat®		
81 anthracite	1746/10-81	1710-0-3628	10
82 savanna/ ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
	pure stainless steel		
866 stainless steel	1746/10-866	1710-0-3768	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	future® linear		
81 anthracite	1746-81	1710-0-3618	10
82 savanna/ ivory white	1746-82	1710-0-3149	10
83 aluminium silver ¹⁾	1746-83	1710-0-3678	10
84 davos/studio white	1746-84	1710-0-3167	10
884 studio white matt ¹⁾	1746-884	1710-0-3876	10
885 black matt ¹⁾	1746-885	1710-0-3898	10
	solo®		
82 savanna/ ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
87 toscana/purple ¹⁾	1746-87	1710-0-3221	10
803 meteor/ grey metallic ¹⁾	1746-803	1710-0-3858	10
815 sahara/yellow	1746-815	1710-0-3838	10
	Busch-axcent®		
84 davos/studio white	1746-84	1710-0-3167	10
	carat®		
81 anthracite	1746-81	1710-0-3618	10
82 savanna/ ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
	pure stainless steel		
866 stainless steel	1746-866	1710-0-3769	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747 SI-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ^{1) 2) 3)} For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GK-32	1710-0-2272	10
34 alpine white	2118 GK-34	1710-0-1860	10/100
35 anthracite	2118 GK-35	1710-0-1936	10
1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCLG-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147-..., 2529-..., 2530-..., 2095 UC-...			
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.			
3) Combinable only with covers for flush-mounted inserts			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	alpha		
20 platinum ¹⁾	1746-20-101	1753-0-5978	10
21 bronze ¹⁾	1746-21-101	1753-0-5986	10
22G ivory	1746-22G-101	1710-0-2470	10
24 studio white matt	1746-24-101	1753-0-5994	10
24G studio white	1746-24G-101	1753-0-7685	10
260 palladium ¹⁾	1746-260-101	1710-0-3313	10
266 titanium ¹⁾	1746-266-101	1710-0-3339	10
	impuls		
72 ivory	1746-72	1753-0-0043	10
74 alpine white	1746-74	1753-0-4997	10
79 champagne metallic ²⁾	1746-79	1753-0-5473	10
774 studio white matt ²⁾	1746-774	1753-0-0171	10
775 black matt ²⁾	1746-775	1753-0-0142	10
777 blackberry ²⁾	1746-777	1753-0-0111	10
783 aluminium silver ²⁾	1746-783	1753-0-0044	10
1) Real metal surface. 2) Surface painted.			


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ^{1) 2) 3)} Lockable, differing locks For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GKSL-32	1710-0-2298	10
34 alpine white	2118 GKSL-34	1710-0-1951	10
35 anthracite	2118 GKSL-35	1710-0-1977	10
1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCLG-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147-..., 2529-..., 2530-..., 2095 UC-...			
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.			
3) Combinable only with covers for flush-mounted inserts			


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ¹⁾ ²⁾ ³⁾ ⁴⁾ with labelling field. Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GKN-32	1710-0-2280	10
34 alpine white	2118 GKN-34	1710-0-1878	10
35 anthracite	2118 GKN-35	1710-0-1993	10
<p>1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,</p> <p>2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.</p> <p>3) Combinable only with covers for flush-mounted inserts</p> <p>4) See labelling sheet 1799 xx.</p>			


	Intermediate ring with hinged lid ¹⁾ ²⁾ ³⁾ ⁴⁾ Lockable, differing locks With labelling field. Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GKSLN-32	1710-0-2306	10
34 alpine white	2118 GKSLN-34	1710-0-1969	10
35 anthracite	2118 GKSLN-35	1710-0-1985	10
<p>1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,</p> <p>2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.</p> <p>3) Combinable only with covers for flush-mounted inserts</p> <p>4) See labelling sheet 1799 xx.</p>			


	Cover plate ¹⁾ with labelling field. With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
	Busch-Duro 2000® SI		
212 white	1769-212	1753-0-8782	10
	Reflex SI		
214 alpine white	1769-214	1753-0-8790	10
<p>1) Labelling sheets 1799, 1799 02 and labelling software.</p>			


	Cover plate ¹⁾ with labelling field. With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
20 platinum ²⁾	1769-20	1753-0-8832	10
21 bronze ²⁾	1769-21	1753-0-8840	10
22G ivory	1769-22G	1710-0-2678	10
24 studio white matt	1769-24	1753-0-8857	10
24G studio white	1769-24G	1710-0-2736	10
260 palladium ²⁾	1769-260	1710-0-3317	10
266 titanium ²⁾	1769-266	1710-0-3343	10
<p>1) Labelling sheets 1799, 1799 02 and labelling software.</p> <p>2) Real metal surface.</p> <p>3) Surface painted.</p>			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for 25-pole D-subminiature connectors. Without claw.		
	Busch-Duro 2000® SI ¹⁾		
212 white	2549-212	1724-0-0616	10
	Reflex SI		
214 alpine white	2549-214	1724-0-0962	10
<p>1) Suitable for data connector 0202.</p>			


	XLR centre plate ¹⁾ As cover for Neutrik data connectors, type FP. Without claw.		
	Busch-Duro 2000® SI		
212 white	2553-212	1724-0-0624	10
	Reflex SI		
214 alpine white	2553-214	1724-0-1127	10
<p>1) For Neutrik plug connectors of series D and Speakon, use DKS system with base plate 1876 EB.</p>			

	Cover plate With metal mounting plate loudspeaker inserts and cover. fixing claws Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
	Busch-Duro 2000® SI		
212 white	2147 U-212	1723-0-0063	10
	Reflex SI		
214 alpine white	2147 U-214	1723-0-0162	10
215 black	2147 U-215	1723-0-0170	10


	Cover plate With metal mounting plate loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm ² rigid.		
	<i>alpha</i>		
20 platinum ¹⁾	1751-20	1723-0-0113	10
21 bronze ¹⁾	1751-21	1723-0-0121	10
22G ivory	1751-22G	1723-0-0238	10
24 studio white matt	1751-24	1723-0-0139	10
24G studio white	1751-24G	1723-0-0204	10
260 palladium ¹⁾	1751-260	1723-0-0245	10/100
266 titanium ¹⁾	1751-266	1723-0-0246	10

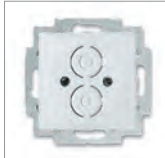
	<i>impuls</i>		
72 ivory	1751-72	1753-0-0048	10
74 alpine white	1751-74	1753-0-4971	10
79 champagne metallic ²⁾	1751-79	1753-0-5457	10
774 studio white matt ²⁾	1751-774	1753-0-0173	10
775 black matt ²⁾	1751-775	1753-0-0145	10
777 blackberry ²⁾	1751-777	1753-0-0113	10
783 aluminium silver ²⁾	1751-783	1753-0-0049	10
<p>1) Real metal surface.</p> <p>2) Surface painted.</p>			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm ² rigid.		
	future [®] linear		
81 anthracite	1751-81	1723-0-0253	10
82 savanna/ ivory white	1751-82	1723-0-0239	10
83 aluminium silver ¹⁾	1751-83	1723-0-0254	10
84 davos/studio white	1751-84	1723-0-0240	10/100
884 studio white matt ¹⁾	1751-884	1723-0-0260	10
885 black matt ¹⁾	1751-885	1723-0-0259	10
	solo [®]		
82 savanna/ ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
87 toscana/purple ¹⁾	1751-87	1723-0-0243	10
803 meteor/ grey metallic ¹⁾	1751-803	1723-0-0257	10
815 sahara/yellow	1751-815	1723-0-0256	10
	Busch-axcent [®]		
84 davos/studio white	1751-84	1723-0-0240	10/100
	carat [®]		
81 anthracite	1751-81	1723-0-0253	10
82 savanna/ ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
	pure stainless steel		
866 stainless steel	1751-866	1723-0-0255	10
	1) Surface painted. *) Phase-out type		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As a cover for volume controllers. Suitable for the "LR 15 mono BJ UP" devices of WHD.		
	future [®] linear		
82 savanna/ ivory white	1740 DR/03-82	1710-0-3807	10
83 aluminium silver ¹⁾	1740 DR/03-83	1710-0-3811	10
84 davos/studio white	1740 DR/03-84	1710-0-3808	10
884 studio white matt ¹⁾	1740 DR/03-884	1710-0-3870	10
885 black matt ¹⁾	1740 DR/03-885	1710-0-3892	10
	pure stainless steel		
866 stainless steel	1740 DR/03-866	1710-0-3812	10
	1) Surface painted.		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
	Busch-Duro 2000 [®] SI		
212 white	2530-212	1724-0-0186	10
	Reflex SI		
214 alpine white	2530-214	1724-0-1119	10



Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
20 platinum ¹⁾	1748-20	1753-0-1167	10
21 bronze ¹⁾	1748-21	1753-0-1480	10
22G ivory	1748-22G	1710-0-2546	10
24 studio white matt	1748-24	1753-0-1621	10
24G studio white	1748-24G	1753-0-7891	10
260 palladium ¹⁾	1748-260	1710-0-3323	10
266 titanium ¹⁾	1748-266	1710-0-3349	10
	1) Real metal surface.		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
	future [®] linear		
81 anthracite	1748-81	1710-0-3654	10
82 savanna/ ivory white	1748-82	1710-0-3655	10
83 aluminium silver ¹⁾	1748-83	1710-0-3673	10
84 davos/studio white	1748-84	1710-0-3656	10
884 studio white matt ¹⁾	1748-884	1710-0-3877	10
885 black matt ¹⁾	1748-885	1710-0-3899	10
	carat [®]		
81 anthracite	1748-81	1710-0-3654	10
82 savanna/ ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10
	pure stainless steel		
866 stainless steel	1748-866	1710-0-3760	10
	1) Surface painted.		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
	Busch-Duro 2000 [®] SI		
212 white	2529-212	1710-0-0698	10
	Reflex SI		
214 alpine white	2529-214	1710-0-1076	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
	future® linear		
81 anthracite	1750-81	1710-0-3617	10
82 savanna/ ivory white	1750-82	1710-0-3148	10
83 aluminium silver ¹⁾	1750-83	1710-0-3679	10
84 davos/studio white	1750-84	1710-0-3166	10
884 studio white matt ¹⁾	1750-884	1710-0-3879	10
885 black matt ¹⁾	1750-885	1710-0-3901	10
	solo®		
82 savanna/ ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
87 toscana/(purple ²⁾)	1750-87	1710-0-3220	10
803 meteor/ grey metallic ¹⁾	1750-803	1710-0-3859	10
815 sahara/yellow	1750-815	1710-0-3839	10
	Busch-axcent®		
84 davos/studio white	1750-84	1710-0-3166	10
	carat®		
81 anthracite	1750-81	1710-0-3617	10
82 savanna/ ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
	pure stainless steel		
866 stainless steel	1750-866	1710-0-3770	10
	¹⁾ Surface painted. ^{*)} Phase-out type		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
	Busch-Duro 2000® SI		
212 white	2527-212	1710-0-0623	10
	Reflex SI		
214 alpine white	2527-214	1710-0-0110	10
	¹⁾ Cover plate can also be used individually as cover for telephone connector boxes (VDo).		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
	alpha		
20 platinum ²⁾	1749-20	1710-0-0904	10
21 bronze ²⁾	1749-21	1710-0-0946	10
22G ivory	1749-22G	1710-0-2561	10
24 studio white matt	1749-24	1710-0-0979	10
24G studio white	1749-24G	1710-0-1209	10
260 palladium ²⁾	1749-260	1710-0-3316	10
266 titanium ²⁾	1749-266	1710-0-3342	10
	impuls		
			
72 ivory	1749-72	1753-0-0046	10
74 alpine white	1749-74	1753-0-5002	10
79 champagne metallic ³⁾	1749-79	1753-0-5481	10
774 studio white matt ³⁾	1749-774	1753-0-0172	10
775 black matt ³⁾	1749-775	1753-0-0143	10
777 blackberry ³⁾	1749-777	1753-0-0112	10
783 aluminium silver ³⁾	1749-783	1753-0-0047	10
	¹⁾ Cover plate can also be used individually as cover for telephone connector boxes (VDo). ²⁾ Real metal surface. ³⁾ Surface painted.		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
	future® linear		
81 anthracite	1749-81	1710-0-3614	10
82 savanna/ ivory white	1749-82	1710-0-3145	10
83 aluminium silver ²⁾	1749-83	1710-0-3665	10
84 davos/studio white	1749-84	1710-0-3163	10/100
884 studio white matt ²⁾	1749-884	1710-0-3878	10
885 black matt ²⁾	1749-885	1710-0-3900	10
	solo®		
82 savanna/ ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100
87 toscana/(purple ²⁾)	1749-87	1710-0-3217	10
803 meteor/ grey metallic ²⁾	1749-803	1710-0-3844	10
815 sahara/yellow	1749-815	1710-0-3824	10
	Busch-axcent®		
84 davos/studio white	1749-84	1710-0-3163	10/100
	carat®		
81 anthracite	1749-81	1710-0-3614	10
82 savanna/ ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100
	pure stainless steel		
866 stainless steel	1749-866	1710-0-3752	10
	¹⁾ Cover plate can also be used individually as cover for telephone connector boxes (VDo). ²⁾ Surface painted. ^{*)} Phase-out type		


Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
	Busch-Duro 2000® SI		
212 white	2095 UC-212	2495-0-0026	10
	Reflex SI		
214 alpine white	2095 UC-214	2495-0-0059	10/100

	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
	future® linear		
81 anthracite	2095 UC-81	2495-0-0084	10
82 savanna/ ivory white	2095 UC-82	2495-0-0085	10
83 aluminium silver 1)	2095 UC-83	2495-0-0089	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
884 studio white matt 1)	2095 UC-884	2495-0-0091	10
885 black matt 1)	2095 UC-885	2495-0-0092	10
	carat®		
81 anthracite	2095 UC-81	2495-0-0084	10
82 savanna/ ivory white	2095 UC-82	2495-0-0085	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
	pure stainless steel		
866 stainless steel	2095 UC-866	2495-0-0090	10

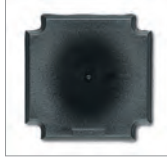
	Potential balancing plug Suitable for plug 2095 UC-212 and built-in jack 0471-0-0037 acc. to German Standard DIN 42801. For potential balancing jack cover plate (connection up to 6 mm ² crimped or soldered)		
	0299-0-0032	0299-0-0032	10


	Built-in jack For potential balancing jack cover plate and installation in cover plates. For devices of 19 mm diameter.		
	0471-0-0037	0471-0-0037	10


	Cover plate With metal mounting plate With screw-type terminal. As cover for devices with a diameter of 19 mm, especially for potential balancing jack 0471-0-0037. Without claw.		
	Busch-Duro 2000® SI		
212 white	2534-212	1724-0-0228	10
	Reflex SI		
214 alpine white	2534-214	1724-0-1168	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
	Busch-Duro 2000® SI		
212 white	2533-212	1724-0-0210	10
	Reflex SI		
214 alpine white	2533-214	1724-0-1150	10
yellow	2533-214-15	1724-0-2696	10/100

	FM box Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Upper part of housing and hinged lid made of diecast aluminium. Installation housing made from extra-durable high-performance plastic. Wall-flush installation. With 2 M 20 entries. Protection class (Device): IP 41		
grey	1705 U-101	1799-0-0913	10/10


	Socket fixing plate For FM case 1705 U-101.		
	For blank cover plate.		
	1710	1764-0-0224	10
	For diode jacks.		
	1711	1764-0-0232	10
	For 25-pole D-subminiature connectors.		
	1712	1764-0-0240	10
	For 2 modular jack inserts 0210 and 0211.		
	1713	1764-0-0257	10
	For XLR panel jacks, series D		
	1714	1764-0-0265	10

Product	Article-No.	Order-No.	Pack/Qty
	Socket fixing plate For cover plate and SM box 1758-... for communication devices.		
	9-pole D-type data connector		
	1850 EB	1764-0-0018	10
	15-pole D-type data connector		
	1851 EB	1764-0-0026	10/100
	25-pole D-Type data connector		
	1852 EB	1764-0-0034	10/100
	XLR built-in jack Neutrik type FP		
	1853 EB	1764-0-0042	10
	XLR built-in jack Neutrik type MP		
	1854 EB	1764-0-0059	10
	2x BNC/TNC jacks for solder connection		
1855 EB	1764-0-0067	10/100	
BNC/TNC panel-type cable jack			
1856 EB	1764-0-0075	10	
2x BNC/TNC panel-type cable jack			
1857 EB	1764-0-0083	10	
2x BNC panel jacks			
1858 EB	1764-0-0091	10/100	


	Socket fixing plate For cover plate and SM box 1758-... for communication devices.		
	2x UHF jacks		
	1859 EB	1764-0-0109	10
	Panel-type diode jack for screw connection		
	1860 EB	1764-0-0117	10
	Panel-type diode jack/plug		
	1861 EB	1764-0-0125	10
	2x Panel-type diode jack/plug		
	1862 EB	1764-0-0133	10
	UHF jacks		
	1863 EB	1764-0-0141	10
	Twinax panel jack		
1864 EB	1764-0-0158	10	
2x Twinax panel jack			
1865 EB	1764-0-0166	10	
1x 6 and 8-pole modular jack, Cat 3, suitable for item nos. 0210, 0211, and 0219.			
1866 EB	1764-0-0174	10/100	
2x 6 and 8-pole modular jack, Cat 3, suitable for item nos. 0210, 0211, and 0219.			
1867 EB	1764-0-0182	10/100	


Product	Article-No.	Order-No.	Pack/Qty
	Socket fixing plate For cover plate and SM box 1758-... for communication devices.		
	Closed/blank plate.		
	1869 EB	1764-0-0208	10/100
	Bushing pockets for optical waveguides 2x Simplex ST		
	1870 EB	1764-0-0216	10/100
	2x 6 and 8-pole modular jack, Cat 3, suitable for AMP Nos. 555225 and 555235		
	1871 EB	1764-0-0273	10/100
	2x 6 and 8-pole modular jack, Cat. 5, unshielded, suitable for Lucent Technologies (formerly AT&T) unshielded Cat. 5/6, types: MPS 100E, MGS 200		
	1872 EB	1764-0-0281	10/100
	Bushing pockets for optical waveguides 2x Duplex SC		
	1874 EB	1764-0-0307	10/100
	2x 8-pole modular jack, Cat. 5E and Cat. 6, shielded/unshielded, suitable for AMP nos. 569013-1, 569015-1, 1116515-1, 406372-1, 1375055-x, 1375188-x, 1375189-x, 1375191-x, and 1339015-1. 1)		
1875 EB	1764-0-0315	10	
For communication devices from Neutrik: XLR panel jack/plug, Series D - loudspeaker connectors, Speakon system.			
1876 EB	1764-0-0332	10	

1) Larger construction.


	Cover plate 1) With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
	Busch-Duro 2000® SI		
	212 white	1758-212	1724-0-1002
	Reflex SI		
214 alpine white	1758-214	1724-0-1663	10/100

1) Labelling sheets 1799,1799 02,1799 19 and labelling software.


	Cover plate 1) With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.			
	<i>alpha</i>			
	20 platinum 2)	1758-20	1724-0-1010	10
	21 bronze 2)	1758-21	1724-0-1028	10
	24 studio white matt	1758-24	1724-0-1036	10
	24G studio white	1758-24G	1724-0-2067	10
	260 palladium 2)	1758-260	1724-0-2793	10
266 titanium 2)	1758-266	1724-0-2798	10	

	<i>impuls</i>			
	72 ivory	1758-72	1753-0-0053	10
	74 alpine white	1758-74	1753-0-5010	10
	79 champagne metallic 2)	1758-79	1753-0-5499	10
	774 studio white matt 2)	1758-774	1753-0-0175	10
	775 black matt 2)	1758-775	1753-0-0147	10
	777 blackberry 2)	1758-777	1753-0-0115	10
	783 aluminium silver 2)	1758-783	1753-0-0054	10


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
	future [®] linear		
81 anthracite	1758-81	1724-0-4253	10
82 savanna/ ivory white	1758-82	1724-0-2759	10
83 aluminium silver ²⁾	1758-83	1724-0-4263	10
84 davos/studio white	1758-84	1724-0-2761	10/100
884 studio white matt ³⁾	1758-884	1724-0-4307	10
885 black matt ²⁾	1758-885	1724-0-4299	10
	solo [®]		
82 savanna/ ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
87 toscana/purple ¹⁾	1758-87	1724-0-2770	10
803 meteor/ grey metallic ²⁾	1758-803	1724-0-4292	10
815 sahara/yellow	1758-815	1724-0-4289	10
	Busch-axcent [®]		
84 davos/studio white	1758-84	1724-0-2761	10/100
	carat [®]		
81 anthracite	1758-81	1724-0-4253	10
82 savanna/ ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
	pure stainless steel		
866 stainless steel	1758-866	1724-0-4272	10


- 1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.
*) Phase-out type

	Box ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ with labelling field. larger installation depth for data communication system, suitable for DCS base 1850 built-in ... 1872 built-in and 1876 built-in, With labelling field. Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 45 mm		
53 grey / blue-green	1758 WN-53	1724-0-2751	10
54 alpine white	1758 WN-54	1724-0-4264	10

- 1) Not suitable for DCS base 1874 (built-in), 1875 built-in
2) See lettering sheets 1799-13 and lettering software.
3) DCS base not included
4) IP 44 only with closed hinged lid.
5) Not suited for universal modules 0219.

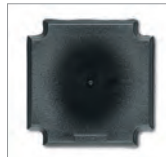
Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO[®] socket outlet ¹⁾ Suitable for wall installation. Shuttered. Upper part of housing and hinged lid made of diecast aluminium. Installation housing made from extra-durable high-performance plastic. Wall-flush installation. With 2 M 20 entries. With screwless terminals. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 41		
grey	20 EFDB2	2011-0-3871	1/10













- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


	SCHUKO[®] socket outlet ¹⁾ ²⁾ Suitable for wall installation. Made of diecast aluminium. Wall-flush installation. 2 entries PG 16. With screw-type terminals. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 41		
grey	2300 EFD2-101	2011-0-2423	1/10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Use adapter for metric pipes, e.g. Kleinhuis 1897P16M20 or 1897P16M25.
*) Phase-out type

	FM box Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Upper part of housing and hinged lid made of diecast aluminium. Installation housing made from extra-durable high-performance plastic. Wall-flush installation. With 2 M 20 entries. Protection class (Device): IP 41		
grey	1705 U-101	1799-0-0913	10/10

	Socket fixing plate For FM case 1705 U-101.		
	For blank cover plate.		
	1710	1764-0-0224	10
	For diode jacks.		
	1711	1764-0-0232	10
	For 25-pole D-subminiature connectors.		
	1712	1764-0-0240	10
	For 2 modular jack inserts 0210 and 0211.		
	1713	1764-0-0257	10
	For XLR panel jacks, series D		
	1714	1764-0-0265	10


Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For call module with call push button and plug contact. With red call push button. Suitable for Ackermann insert nos. 73071 E, 73071 E2 73073 E, and 73075 A.				Cover plate As cover for call unit as plug contacts. Suitable for Ackermann insert No. 73020 D operating current and 73021 D stand-by current.		
212 white	Busch-Duro 2000® SI 2548-071 E-212	1724-0-2711	10	212 white	Busch-Duro 2000® SI 2548-020 D-212	1724-0-2698	10
214 alpine white	Reflex SI 2548-071 E-214	1724-0-2726	10	214 alpine white	Reflex SI 2548-020 D-214	1724-0-2713	10
	Cover plate For call module with call push button and plug contacts. With red call push button. Suitable for Ackermann insert nos. 73071 D, 73071 D2, 73073 D, and 73075 B.				Cover plate As cover for call unit as diagnostic/plug contact. Suitable for Ackermann insert No. 73020 E for operating and stand-by current systems.		
212 white	Busch-Duro 2000® SI 2548-071 D-212	1724-0-2710	10	212 white	Busch-Duro 2000® SI 2548-020 E-212	1724-0-2700	10
214 alpine white	Reflex SI 2548-071 D-214	1724-0-2725	10	214 alpine white	Reflex SI 2548-020 E-214	1724-0-2715	10
	Cover plate For call push button With red call push button. Suitable for Ackermann insert nos. 73022 A and 73022 A2.				Cover plate As cover for call unit as diagnostic plug contact. Suitable for Ackermann insert No. 73020 F for operating and stand-by current systems.		
212 white	Busch-Duro 2000® SI 2548-022 A-212	1724-0-2702	10	212 white	Busch-Duro 2000® SI 2548-020 F-212	1724-0-2701	10
214 alpine white	Reflex SI 2548-022 A-214	1724-0-2717	10	214 alpine white	Reflex SI 2548-020 F-214	1724-0-2716	10
	Cover plate As cover for call push button "doctor call". With blue call push button. Suitable for Ackermann insert nos. 73022 A and 73022 A2.				Cover plate As cover for call unit as diagnostic plug contacts. Suitable for Ackermann insert No. 73075 C, insert No. 73020 G operating current and insert No. 73021 G stand- by current.		
212 white	Busch-Duro 2000® SI 2548-022 AR-212	1724-0-2703	10	212 white	Busch-Duro 2000® SI 2548-021 G-212	1724-0-2699	10
214 alpine white	Reflex SI 2548-022 AR-214	1724-0-2718	10	214 alpine white	Reflex SI 2548-021 G-214	1724-0-2714	10
	Cover plate For call push button with plug contact. With red call push button. Suitable for Ackermann insert No. 73022 B operating current and insert No. 73023 B stand-by current.				Cover plate As cover for call/cancel button. With red call push button. With green cancel button. Suitable for Ackermann insert No. 73642 B and 73642 B2.		
212 white	Busch-Duro 2000® SI 2548-022 B-212	1724-0-2709	10	212 white	Busch-Duro 2000® SI 2548-642 B-212	1724-0-2706	10
214 alpine white	Reflex SI 2548-022 B-214	1724-0-2724	10	214 alpine white	Reflex SI 2548-642 B-214	1724-0-2721	10
	Cover plate As cover for pull-cord switch. Suitable for Ackermann insert No. 70046 A3.				Cover plate As cover for cancel button with LED telltale lamp. With yellow cancel button. Suitable for Ackermann insert No. 73642 D.		
212 white	Busch-Duro 2000® SI 2548-046 A-212	1724-0-2697	10	212 white	Busch-Duro 2000® SI 2548-642 D-212	1724-0-2705	10
214 alpine white	Reflex SI 2548-046 A-214	1724-0-2712	10	214 alpine white	Reflex SI 2548-642 D-214	1724-0-2720	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for cancel button with LED telltale lamp. With green cancel button. Suitable for Ackermann insert No. 73642 C.		
	Busch-Duro 2000® SI		
212 white	2548-642 C-212	1724-0-2704	10
	Reflex SI		
214 alpine white	2548-642 C-214	1724-0-2719	10


	Cover plate As cover for cancel button. With yellow and green cancel button. Suitable for Ackermann insert No. 73642 E.		
	Busch-Duro 2000® SI		
212 white	2548-642 E-212	1724-0-2708	10
	Reflex SI		
214 alpine white	2548-642 E-214	1724-0-2723	10


	Cover plate As cover for duty room unit. With green presence button. With white acknowledgement button. Suitable for Ackermann insert No. 73642 B and 73642 B2.		
	Busch-Duro 2000® SI		
212 white	2548-642 BD-212	1724-0-2707	10
	Reflex SI		
214 alpine white	2548-642 BD-214	1724-0-2722	10


Further special types and covers are available for the "clino-opt 99®" system on request.

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate Suitable for Ackermann insert No. 71197 A and bus end-band separation or spare unit system "clino opt 99®" Ackermann insert No. 72642 B.		
	Busch-Duro 2000® SI		
212 white	2548-212-50 A	1753-0-1019	10
	Reflex SI		
214 alpine white	2548-214-50 A	1753-0-2389	10

	Cover plate As cover for call push button with pneumatic operation. Suitable for Ackermann insert no. 70006 A operating current, 70006 B standby current, and 70006 C operating/standby current.		
	Busch-Duro 2000® SI		
212 white	2548-212-52 P	1753-0-2116	10
	Reflex SI		
214 alpine white	2548-214-52 P	1753-0-2876	10

	Cover plate As cover for connector contact. Suitable for Ackermann insert No. 73020 C.		
	Busch-Duro 2000® SI		
212 white	2548-212-52 A	1753-0-1027	10
	Reflex SI		
214 alpine white	2548-214-52 A	1753-0-2348	10




	Cover plate As cover for radio installation. Suitable for Ackermann insert No. 73120 A.		
	Busch-Duro 2000® SI		
212 white	2548-212-53 A	1753-0-1035	10
	Reflex SI		
214 alpine white	2548-214-53 A	1753-0-2355	10






	Cover plate As cover for radio installation with small audio system. Suitable for Ackermann insert nos. 73120 H, 73120 H1 and 73120 C.		
	Busch-Duro 2000® SI		
212 white	2548-212-53 B	1753-0-2124	10
	Reflex SI		
214 alpine white	2548-214-53 B	1753-0-2884	10

Light and sound call systems
TOTAL WALTHER
ZETTLER® VarioLine


Light and sound call systems
ZETTLER® 800 light call system



Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for call push button for patients or WC call.		
	Busch-Duro 2000® SI		
212 white	1790-581-212	1710-0-2843	10
214 alpine white	Reflex SI		
	1790-581-214	1710-0-2918	10
	Cover plate As cover for call push button: patient call/nurse emergency call and presence push button.		
	Busch-Duro 2000® SI		
212 white	1790-582-212	1710-0-2850	10
214 alpine white	Reflex SI		
	1790-582-214	1710-0-2926	10
	Cover plate As cover for call push button: patient call, call-cancel button and universal plug-and-socket device.		
	Busch-Duro 2000® SI		
212 white	1790-583-212	1710-0-2868	10
214 alpine white	Reflex SI		
	1790-583-214	1710-0-2934	10
	Cover plate As cover for call push button: patient call and universal plug-and-socket device.		
	Busch-Duro 2000® SI		
212 white	1790-584-212	1710-0-2876	10
214 alpine white	Reflex SI		
	1790-584-214	1710-0-2942	10
	Cover plate As cover for universal plug-and-socket device. For connecting: keys with max. 2 call and 2 light push buttons, diagnosis and perfusion devices or automatic calling devices, e.g. switching watchdogs.		
	Busch-Duro 2000® SI		
212 white	1790-585-212	1710-0-2884	10
214 alpine white	Reflex SI		
	1790-585-214	1710-0-2959	10
	Cover plate Neutral.		
	Busch-Duro 2000® SI		
212 white	1790-580-212	1710-0-2835	10
214 alpine white	Reflex SI		
	1790-580-214	1710-0-2900	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate *) As cover for push button. Suitable for Zettler insert No. 110.001, 110.004, 110.008, 110.011 and 110.014.		
	Busch-Duro 2000® SI		
212 white	1790-001-212	1753-0-0177	10
214 alpine white	Reflex SI		
	1790-001-214	1753-0-2405	10
*) Phase-out type			
	Cover plate *) As cover for call push button with 6-pole connector contact. Suitable for Zettler insert No. 110.002.		
	Busch-Duro 2000® SI		
212 white	1790-002-212	1753-0-0268	10
214 alpine white	Reflex SI		
	1790-002-214	1753-0-2413	10
*) Phase-out type			
	Cover plate *) As cover for 4-pole connection unit and diagnostic call. Suitable for Zettler insert No. 110.040.		
	Busch-Duro 2000® SI		
212 white	1790-040-212	1753-0-0276	10
214 alpine white	Reflex SI		
	1790-040-214	1753-0-2421	10
*) Phase-out type			
	Cover plate *) As cover for call/cancel button, WC call. Suitable for Zettler insert No. 110.009.		
	Busch-Duro 2000® SI		
212 white	1790-009-212	1753-0-0284	10
214 alpine white	Reflex SI		
	1790-009-214	1753-0-2439	10
*) Phase-out type			
	Cover plate *) As cover for 28-pole connection unit and control covers. Suitable for Zettler insert 110.041.		
	Busch-Duro 2000® SI		
212 white	1790-041-212	1753-0-0292	10
214 alpine white	Reflex SI		
	1790-041-214	1753-0-2447	10
*) Phase-out type			



Product	Article-No.	Order-No.	Pack/Qty
	Cover plate^{*)} As cover for pneumatic push switch, with indicator. Suitable for Zettler insert No. 110.007.		
	Busch-Duro 2000® SI		
212 white	1790-007-212	1753-0-0755	10
214 alpine white	Reflex SI 1790-007-214	1753-0-2454	10

Product	Article-No.	Order-No.	Pack/Qty
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^{*)} Phase-out type

Special connectors. Live under difficult circumstances.

The specialists. Sometimes, a normal SCHUKO® plug does not make sense. In this case, however, Busch-Perilex®, Busch-Terko®, or Busch-Nema will certainly provide a suitable solution whose design fits every home installation.





Special connectors

- 01 2gang combination switch/Busch-Terko® socket outlet.
Switch series Busch-Duro 2000® SI.
Colour: white.
- 02 Busch-Perilex® 2064 SR W-500
- 03 Busch-Terko® 2334 UC-212
- 04 Busch-Nema 3015 EUC-212
-
- » Materials
Cover: thermosetting plastic/thermoplastic cover (PC),
impact-proof and fracture-resistant (thermoplastic only),
UV-resistant, free of PVC and halogen

Contents

Special connectors

Special connectors
(Busch-Perilex®, Busch-Terko®,
Busch-Nema, Socket outlets with
earthing pin, socket for stoves)

p. 272

Busch-Perilex® three-phase current connectors according to DIN 49445 through 49448

Because of their design these connectors are suited for every standard home installation. They are available for flush and surface mounting, for dry and wet rooms, as well as for indoor and outdoor use.



02



03



04










Busch-Terko® – the system with angled contacts

Because of their angled contacts these devices are protected against incorrect polarity. They are used wherever devices have to be unplugged, where different voltages and frequencies are employed and where confusion must be avoided.

Busch-Nema connectors

This series is available in two different basic types. All of them conform to the UL standard and are used wherever this U.S. standard is demanded - for example in U.S. military installations.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet 3-pole, N, E with metal mounting plate rectangular Rated voltage: 415 V~ Rated current: 16 A 1)				Angled plug With bend proof Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	2064 SR W-500	2510-0-0113	10/50	white RAL 1013	2064 SWLW	2590-0-0164	10/100
white RAL 1013	Round, 25 A 2365 SRW	2520-0-0047	1/10	white RAL 1013	Angle plug, 25 A 2365 SWLW	2591-0-0063	100
	Box for flush mounted socket outlet 2365 SR W 3095-1	1747-0-0062	100				
1) For 70 mm wall box.							
	Insulated Wall Box For Perilex socket outlet 2064 UG-101 and 2064 SR W-500.						
	Insulated wall box						
	3064	2561-0-0017	10				
	Socket outlet rectangular Rated voltage: 415 V~ Rated current: 16 A						
white RAL 1013	2064 JW-500	2540-0-0045	10/100				
white RAL 1013	Round, 25 A 2365 JW	2550-0-0028	1/10				
	Socket outlet With thermoplastic hinged lid rectangular PVC entry Rated voltage: 415 V~ Rated current: 16 A Protection class (Device): IP 44						
grey RAL 7035	2064 AG	2581-0-0098	10/100				
	Conduit adapter With central entry. Rated voltage: 415 V~ Rated current: 16 A						
white RAL 1013	2364 KUW	2595-0-0023	10				
grey RAL 7035	PVC, 16 A 2064 KUPVC	2595-0-0080	10				
black	Rubber, 16 A 2064 KUGI	2595-0-0072	10				
	Plug With central entry. Rated voltage: 415 V~ Rated current: 16 A						
white RAL 1013	2364 SW	2590-0-0024	100				
grey RAL 7035	PVC, 16 A 2064 SPVC	2590-0-0172	10				

Product	Article-No.	Order-No.	Pack/Qty
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Combination socket outlet 1)
 Busch Duro 2000® SI
 Rated voltage: 250 V~
 Rated current: 16 A

212 white	2334 UC-212	2310-0-0159	10
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1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Socket outlet 1)
 Rated voltage: 250 V~
 Rated current: 16 A

white RAL 1013	2334 JW	2340-0-0024	10/100
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1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Plug 1)
 Lateral entry.
 Rated voltage: 250 V~
 Rated current: 16 A

white RAL 1013	34 W-101	2390-0-0060	20
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1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Socket outlet 1) 2)
 With hinged lid.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

grey	2334 AG	2381-0-0010	10
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1) IP 44 only with plug connector 34 WJ.
 2) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Plug 1)
 With rubber cover
 With central entry.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

black	34 WJ	2390-0-0045	10/100
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1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.

Product	Article-No.	Order-No.	Pack/Qty
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Oven connection unit
 Connector blocks with 5 double terminals, removable.
 For commercially available boxes.
 Rated cross-section 2,5 mm²
 Rated voltage: 400 V~





alpine white	3741 UJ	1712-0-0165	80
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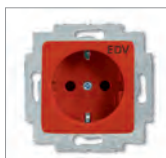


Flush mounted and SM oven connection unit
 Rated cross-section 2,5 mm²
 with break-proof lid and snap closure,
 Screw and claw fixation for 60 mm and 70 mm flush-mounted boxes,
 removable claw,
 Strain relief for cable up to 5 x 2,5 mm²
 Rated voltage: 400 V~

alpine white	3746 U-101	1712-0-0182	5/60
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Product	Article-No.	Order-No.	Pack/Qty
	Hanging service module 1) not included Box colour: black. Covers: yellow. Without cover plates.		
black	0239-0-0012	0239-0-0012	1
1) Components not provided by BJE.			
	Hanging service module 1) fitted with 4 SCHUKO®-socket outlets with earthing contact socket Box colour: black. Covers: yellow.		
black	0239-0-0038	0239-0-0038	1
1) Prewired on 2 terminals.			
	Additional partition		
yellow	0239-0-0053	0239-0-0053	1
	Cover Perforated, diameter: 45 mm		
yellow	0239-0-0061	0239-0-0061	50
yellow	Perforated, diameter: 70 mm 0239-0-0079	0239-0-0079	50
yellow	Non-perforated. 0239-0-0087	0239-0-0087	50
chrome	Chain for fixation, running metre 0239-0-0095	0239-0-0095	1

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet with screwless terminal 1) DP (2 P + E) For trunking installations of 45 mm diameter. With circular cover plate. Rated voltage: 250 V~ Rated current: 16 A		
white	20 EUCO	2011-0-1458	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet 1) 2) With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCQ-212	2011-0-2720	10
green (SV) RAL 6018	20 EUCQ-13-212	2011-0-2860	10
orange (ZSV) RAL 2004	20 EUCQ-14-212	2011-0-2878	10
1) Can only be used in SI frames with adapter 1746-.... 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			
	SCHUKO® socket outlet 1) 2) 3) With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUCQ-214	2011-0-2829	10
217 red	20 EUCQ-217	2011-0-2852	10
1) Can only be used in SI frames with adapter 1746-.... 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 3) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch Duro 2000® SI.			
	SCHUKO® socket outlet 1) 2) With marking "EDV" With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 EUCQ/DV-214	2011-0-2902	10
217 red	20 EUCQ/DV-217	2011-0-2886	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Can only be used in SI frames with adapter 1746-....			

For further SCHUKO® socket outlets, refer to the flush and surface mounted lines.

Busch-iceLight®.

The new dimension of light.

Function turns into emotion. By means of light from the Flush-mounted box. Because Busch-iceLight® supports the harmonious interaction of light, architecture and function. At the same time it completely blends with the existing ABB/Busch-Jaeger switch ranges of solo®, future® linear, carat®, Busch-axcent®. Thereby extending the options for creating, illuminating, providing orientation and informing. In the private, business and semi-public sectors.



01



Busch-iceLight®

- 01 Busch-iceLight® – Wall module ambient
Insert, 2067/11 U
Wall module, 2068/11-84,
incl. standard insert
 - 02 Busch-iceLight® – Wall module orientation
Insert, 2067/12 U
Wall module, 2068/14-84
Pictogram, 2144/59-19
 - 03 Busch-iceLight® – Ceiling module
Insert, 2067/11 U
Ceiling module, 2068/21
-
- » Busch-iceLight® – Switch ranges: solo®, future®
linear, carat®, Busch-axcent®, pure stainless steel,
Reflex SI and Busch-Duro® 2000 SI

Contents Busch-iceLight®

Inserts	p. 282
Wall module	p. 282
Ceiling module	p. 283
Insert	p. 283

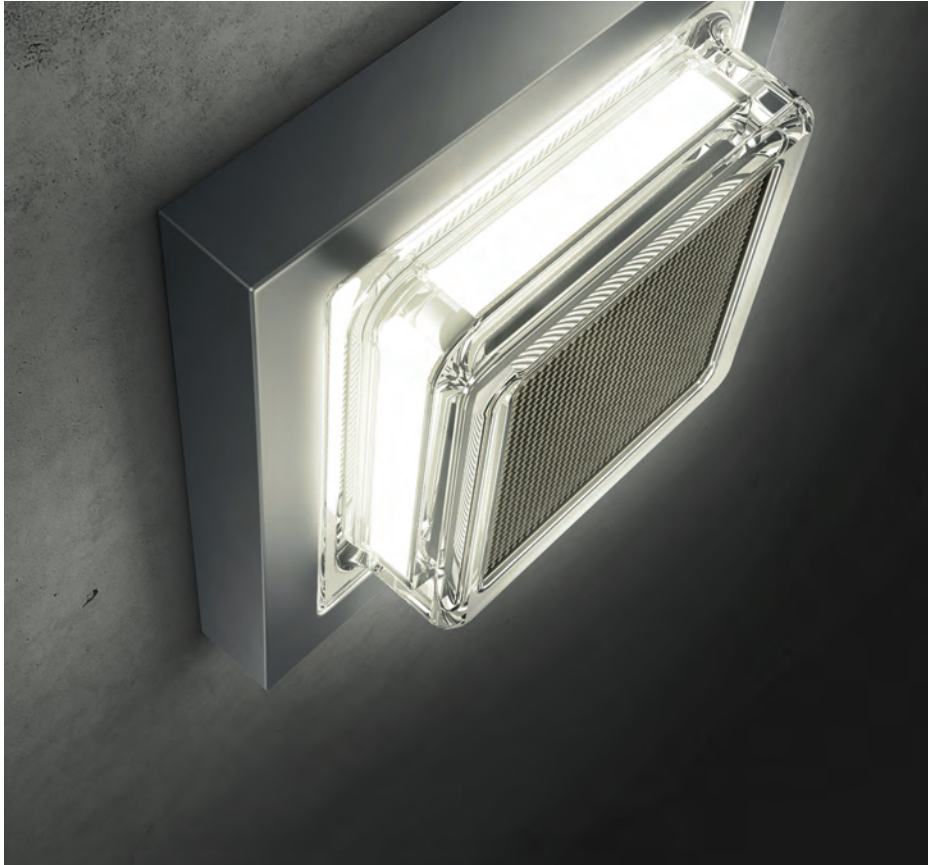


02



03

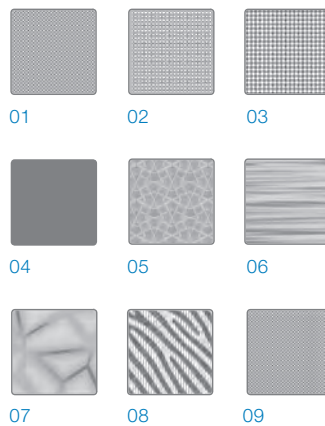




Hadi Teherani, star architect and creative head of the "Hadi Teherani AG" designer team, founded in 2003, is well-known for innovative and emotional design of products and interior design. For ABB/Busch-Jaeger he developed the LED Flush-mounted light system, Busch-iceLight®, which in combination with the matching switch design sets new standards in the interaction of light and architecture.

Busch-iceLight® – ambient

Personal ideas create a personal atmosphere. Now possible with the adjustable design covers. Because the high-quality inserts are available in 9 different grids and decors. This is how Busch-iceLight® individually creates a personal atmosphere. And lends light a new, many-faceted character.

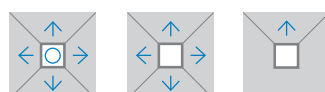


Insert – patterns

- 01 Insert hole pattern, square
- 02 Insert hole pattern, net
- 03 Insert hole pattern, diamond
- 04 Insert closed
- 05 Insert decoration 21
- 06 Insert decoration 22
- 07 Insert decoration 23
- 08 Insert decoration 24
- 09 Insert, standard

Busch-iceLight® – Wall module ambient

- » Design covers made of real metal
- » Nine grid/decors
- » One, four and five lighting directions



Lighting directions

Light in compact areas, set into the scene with feeling.



Busch-iceLight® – orientation

Busch-iceLight® – Orientation fulfils three tasks. Fast orientation. Clear information. High-quality design covers made from real metal with pictograms being illuminated from behind create distinction. For optimum readability the graphic symbols are displayed negative. Currently there are 30 versions available – for almost all requirements in the commercial or semi-public sector – additional design covers are available on request.



Busch-iceLight® – wall module, orientation

» Five lighting directions





Busch-iceLight® – ambient ceiling light



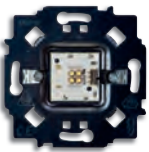
Light from the ceiling. It can be more than just to light up the room. When it accentuates the expression of the architecture. When it enhances the personal touch. Just like Busch-iceLight®. Because it radiates light in its purest form. And it can be

discreetly integrated. Individually in small rooms or as a series for large ceiling areas. Functional for the entrance area, hallway or stairs. Colourful for bathroom and toilet. Wherever – Busch-iceLight® radiates the essential.

Busch-iceLight® – Ceiling module

- » For ambience lighting
- » Colourful or functional
- » One light outlet, downward
- » Room lighting
- » Dimensions (H x W x D): 86 mm x 86 mm x 45 mm

Overview of inserts

Modules	Switchover between 100 % and 25 % via slide switch	Current consumption:		Colour temperature				Can be combined with		
		350 mA	40 mA	Warm white 2.700 K	Warm white 3.000 K	Neutral white 4.000 K	Cold white 6.500 K	Wall module One light direction 2068/11-84 2068/11-214	Wall module Five light direction 2068/14-84 2068/14-214	Ceiling module 2068/21
 2067/11 U Power module	x	x		x				x	x	x
2067/12 U Power module	x	x				x		x	x	x
2067/13 U Night light			x		x			x	x	o
2067/14 U Night light			x				x	x	x	o

x: Combination possible.
o: Combination possible; however, not practical due to the minimal luminosity



Applications

The matching atmosphere in the bathroom is created by the ceiling light. The lighting can be switched on prior to or after the film as a soft basic light.

Busch-iceLight® offers orientation in the dark. The light module with one light direction, which shines downward, is mounted 30 cm above floor height. The path can be illuminated by using several light modules.

Pictograms can be inserted for orientation. This offers orientation twice: on the one hand, one is informed, and, on the other hand, basic illumination is available at night.

Ambience



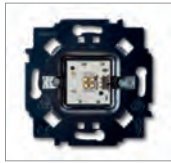
Orientation



Information



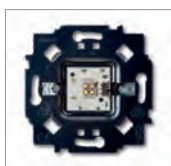
Product	Article-No.	Order-No.	Pack/Qty
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Flush-mounted LED insert 1) 2)
Power module
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 High brightness, e.g. for the display of information.
 Colour temperature: 2,700 K (warm white)
 Not dimmable.
 Light intensity can be switched between 100% and 25% using front service switch.
 System power consumption: 5 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 350 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/11 U 1510-0-0001 1

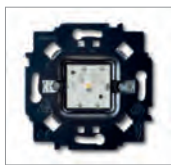
- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Flush-mounted LED insert 1) 2)
Power module
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 High brightness, e.g. for the display of information.
 Colour temperature: 4,000 K (neutral white)
 Not dimmable.
 Light intensity can be switched between 100% and 25% using front service switch.
 System power consumption: 5 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 350 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/12 U 1510-0-0002 1/10

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Flush-mounted LED insert 1) 2)
Night light
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 For low brightness (night light).
 Colour temperature: 3,000 K (warm white)
 Not dimmable.
 System power consumption: 0.15 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 40 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/13 U 1510-0-0012 1/10

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.

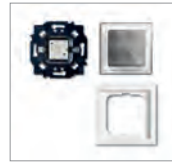


Flush-mounted LED insert 1) 2)
Night light
 For Busch-iceLight wall and ceiling module Type 2068/xx.
 For low brightness (night light).
 Colour temperature 6,500 K (cold white)
 Not dimmable.
 System power consumption: 0.15 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 40 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

2067/14 U 1510-0-0013 1/10

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-iceLight® Night light set 1) 2)
Complete set
 Complete set consists flush-mounted LED insert Night light (cold white) 2067/14 U.
 Wall module with one lighting direction, design future® linear 2068/11-84.
 Cover frame design future® linear 1721-184K.
 With one lighting direction.
 Not dimmable.
 For low brightness (night light).
 Colour temperature 6,500 K (cold white)
 System power consumption: 0.15 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 40 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 EN 62031/VDE 0715-5 of Jan. 2009

NEW
2069/11-84 1510-0-0015 1

- 1) Use relay inserts when switching through movement sensors or comfort switches.
 2) For switching the LED flush mounted insert use switches without orientation light only.



Busch-iceLight® set ceiling module 1)
Complete set
 Consisting of LED/FM insert, power module (neutral white) 2067/12 U.
 Consisting of ceiling module, one light direction 2068/21.
 For ambient lightning.
 Light outlet downward.
 Not dimmable.
 Light intensity can be switched between 100% and 25% using front service switch.
 System power consumption: 5 W
 Rated voltage: 230 V~, + 10% / - 10%
 Current consumption of LED: 350 mA (secondary)
 Secondary: SELV
 Rated frequency: 50 Hz/60 Hz
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 40 °C
 Dimensions: (L x W x D): 86 mm x 86 mm x 45 mm

NEW
2069/21 1510-0-0018 1

- 1) Mounting only using the socket screws of commercial hollow wall or flush-mounted sockets



Wall module solo/future® linear
1 lighting direction
 For ambient and orientation lightning.
 Light outlet top or bottom.
 Suitable for decorative insert types 2144-19, 2144/1x-19, and 2144/2x-19.
 Standard decorative insert 2144-19 premounted when delivered.
 Dimensions: (L x W x D): 63 mm x 63 mm x 15 mm
2068/11-84 1510-0-0005 1/10

Reflex SI
NEW
2068/11-214 1510-0-0003 1/10
alpha exclusive®
2068/11-24 1510-0-0004 1/10

Product	Article-No.	Order-No.	Pack/Qty
	Wall module solo/future® linear 5 lighting directions/Infolight For ambient, orientation lightning and Infolight. Light outlet on all four sides and front. Suitable for decorative insert and pictogram types 2144/xx-19 and 2144-19. Standard decorative insert 2144-19 premounted when delivered. Dimensions: (L x W x D): 63 mm x 63 mm x 15 mm	2068/14-84	1510-0-0008 1/10
	Reflex SI NEW	2068/14-214	1510-0-0006 1/10
	<i>alpha exclusive®</i>	2068/14-24	1510-0-0007 1/10

	Ceiling module 1) 1 lighting direction For ambient lightning. Light outlet downward. Dimensions: (L x W x D): 86 mm x 86 mm x 45 mm	2068/21	1510-0-0014 1/10
	1) Mounting only using the socket screws of commercial hollow wall or flush-mounted sockets		

	Ceiling module Reflex SI flush-type For ambient lightning. Light outlet downward. Flat type of construction, nearly flush with cover frame. Dimensions: (L x W x D): 54 mm x 54 mm x 10 mm	2068/22-214	1510-0-0016 1
	NEW		

	Ceiling module solo/future® linear flush-type For ambient lightning. Light outlet downward. Flat type of construction, nearly flush with cover frame. Dimensions: (L x W x D): 63 mm x 63 mm x 9 mm	2068/22-84	1510-0-0017 1
	NEW		

	Insert Standard insert For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144-19	1714-0-0305 10
	19 metal clad		

	Insert Hole pattern, square For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/11-19	1714-0-0301 10
	19 metal clad		

	Insert Hole pattern, net For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/12-19	1714-0-0302 10
	19 metal clad		

	Insert Hole pattern, diamond For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/13-19	1714-0-0304 10
	19 metal clad		

	Insert Closed For 2068/1x Prevents a forward light outlet. Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/14-19	1714-0-0306 10
	19 metal clad		

	Insert Decoration 21 For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/21-19	1714-0-0307 10
	19 metal clad		

















	Insert Decoration 22 For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/22-19	1714-0-0308 10
	19 metal clad		

	Insert Decoration 23 For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/23-19	1714-0-0309 10
	19 metal clad		

	Insert Decoration 24 For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/24-19	1714-0-0310 10
	19 metal clad		

	Insert "Busch-Jaeger" logo For 2068/1x Size of insert: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/34-19	1714-0-0303 10
	19 metal clad		

	Pictogram Ladies'/mens' toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.	2144/41-19	1799-0-0925 10
	19 metal clad		

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Pictogram Ladies' toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Quiet, please! For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/42-19	1799-0-0926	10	19 metal clad	2144/50-19	1799-0-0934	10
	Pictogram Men's toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Please do not disturb! For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/43-19	1799-0-0927	10	19 metal clad	2144/51-19	1799-0-0935	10
	Pictogram Handicapped toilet For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Directional For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/44-19	1799-0-0928	10	19 metal clad	2144/52-19	1799-0-0936	10
	Pictogram Diaper changing room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Entry prohibited For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/45-19	1799-0-0929	10	19 metal clad	2144/53-19	1799-0-0937	10
	Pictogram Bathroom/shower For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Stairs For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/46-19	1799-0-0930	10	19 metal clad	2144/54-19	1799-0-0938	10
	Pictogram No smoking For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Elevator For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/47-19	1799-0-0931	10	19 metal clad	2144/55-19	1799-0-0939	10
	Pictogram Photography prohibited For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Output For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/48-19	1799-0-0932	10	19 metal clad	2144/56-19	1799-0-0940	10
	Pictogram Mobile telephones prohibited For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Parking lot For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/49-19	1799-0-0933	10	19 metal clad	2144/57-19	1799-0-0941	10

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Pictogram Please wait! For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Conference room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/58-19	1799-0-0942	10	19 metal clad	2144/66-19	1799-0-0950	10
	Pictogram Information point For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Restaurant For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/59-19	1799-0-0943	10	19 metal clad	2144/67-19	1799-0-0951	10
	Pictogram Cloakroom For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Breakfast room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/60-19	1799-0-0944	10	19 metal clad	2144/68-19	1799-0-0952	10
	Pictogram Break room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Kitchenette For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/61-19	1799-0-0945	10	19 metal clad	2144/69-19	1799-0-0953	10
	Pictogram WLAN zone For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.				Pictogram Smokers' room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.		
19 metal clad	2144/62-19	1799-0-0946	10	19 metal clad	2144/70-19	1799-0-0954	10
	Pictogram Nurse For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.						
19 metal clad	2144/63-19	1799-0-0947	10				
	Pictogram Doctor For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.						
19 metal clad	2144/64-19	1799-0-0948	10				
	Pictogram Seminar room For 2068/14-xxx Size of pictogram: 43.3 x 43.3 mm. Material: metal. Anti fingerprint.						
19 metal clad	2144/65-19	1799-0-0949	10				



Audio

Music in each and every room.

Busch-AudioWorld®. Would you like to hear the latest news or your favourite songs all over the house? Almost too good to be true. It can be used in each room with the simplicity of a light switch and even as an intercom.



01



Audio

- 01 3gang combination with Busch-iDock*, DigitalRadio and loudspeaker. Switch series solo®. Colour: davos/studio white.
- 02 Amplifier
- 03 Intercom amplifier
- 04 Microphone console

Contents Audio

Busch-iDock	p. 294
DigitalRadio and loudspeaker with cover plates	p. 295
Central unit	p. 296
MDRC power pack	p. 296
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Cover plates	p. 297
Installation loudspeaker 13 cm (5") and cover plate	p. 298
Connecting units for Busch-AudioWorld®	p. 298
Loudspeaker connecting units and cover plates	p. 299
Cover plate with rotary knob for volume control	p. 301

02



03

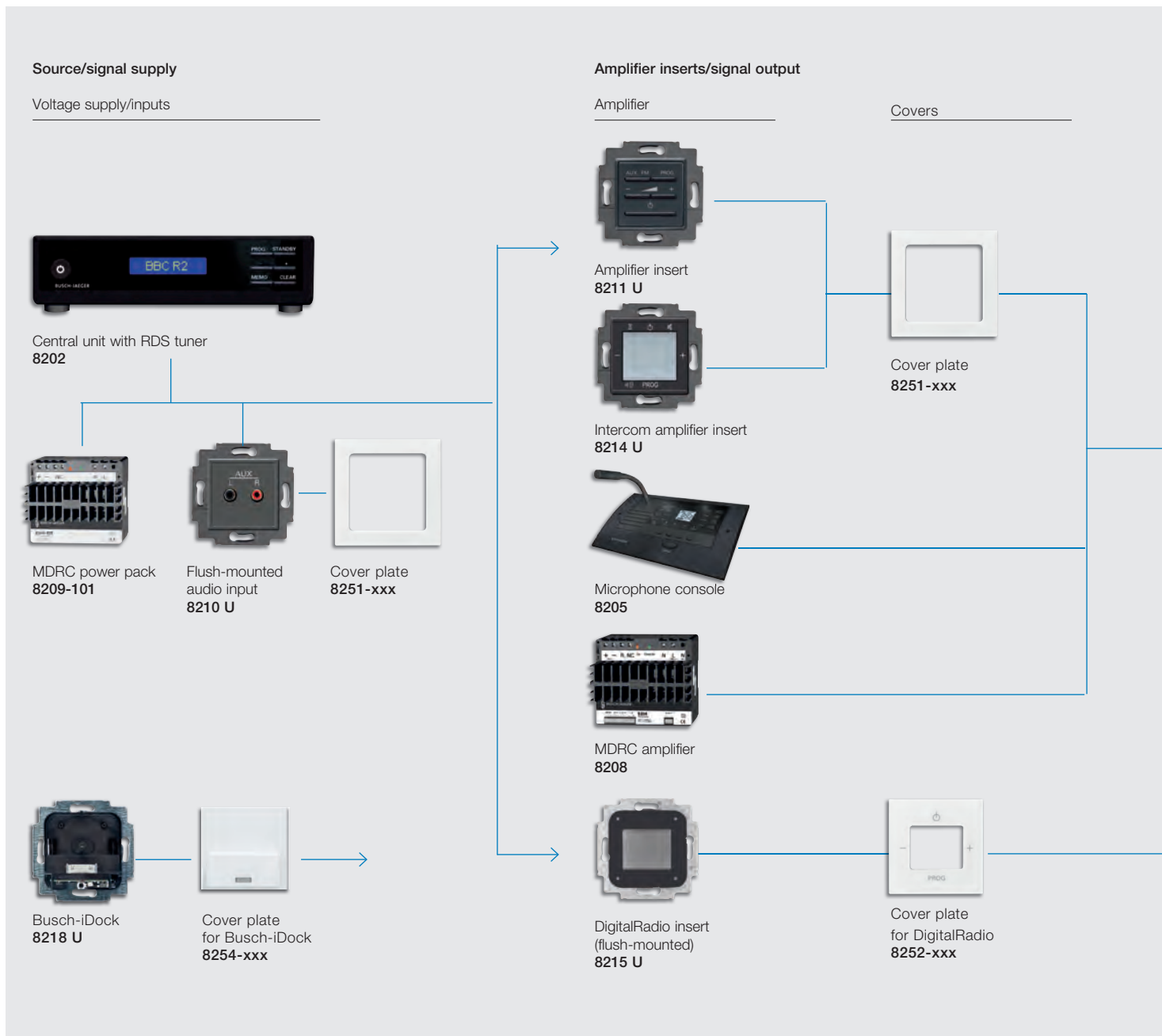


04



* "Made for iPod" and "Made for iPhone" means that an electronic accessory has been designed to connect specifically to iPod or iPhone and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.



Complete set Busch-iDock 8230-84

- » Complete set for mono operation ready for installation
- » Busch-iDock
- » DigitalRadio
- » Loudspeaker insert
- » Cover plate for Busch-iDock
- » Cover plate for DigitalRadio
- » Cover plate for Loudspeaker insert
- » 3gang cover frame future® linear

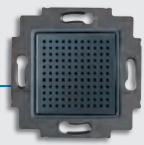


Complete set DigitalRadio 8220-84

- » Complete set for mono operation ready for installation
- » DigitalRadio
- » Loudspeaker insert
- » Cover plate for DigitalRadio
- » Cover plate for Loudspeaker insert
- » 2gang cover frame future® linear

Loudspeaker

Loudspeakers



Loudspeaker insert 5 cm (2")
8221 U



Built-in loudspeaker 13 cm (5")
8222 EB

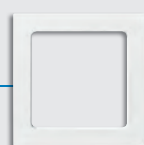


Wet room loudspeaker
13 cm (5")
8224 EB



Loudspeaker insert 5 cm (2")
for DigitalRadio
8223 U

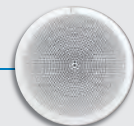
Loudspeaker covers



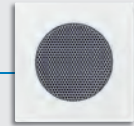
Cover plate
8251-xxx



Loudspeaker grid, metal
8228



Loudspeaker grid,
plastic
8227



Cover plate for
loudspeaker insert 5 cm (2")
8253-xxx

The ABB/Busch-Jaeger audio system of unlimited opportunities

According to the requirements, the system components can be individually combined and supplemented.

For pure voice transmission, the intercom amplifier inserts are used. These allow announcements to be made in specific pre-defined rooms. Typical areas of application are waiting rooms.

To listen to music in larger rooms, the central unit with RDS tuner already offers extensive accessories like its own power pack and audio output.

Virtuos. Solo or as duet. The Busch-iDock offers each iPod or iPhone a fixed place in the home. The Busch-iDock with its simple elegance blends with every environment. With the Apple remote control the iPod or the iPhone are easy to operate from a distance. Even MP3 players from other manufacturers can be connected to a 3.5 mm jack socket. The Busch-iDock offers excellent interplay with the DigitalRadio or the integration with Busch-AudioWorld®.

For smaller rooms, like waiting rooms, or at home in the kitchen or bathroom, the DigitalRadio is the perfect solution for a space-saving stand-alone alternative with the 5 cm (2") loudspeaker insert.

All components can be combined with each other and with other devices, of course, and are available in almost all ABB/Busch-Jaeger switch designs.



Busch-iDock

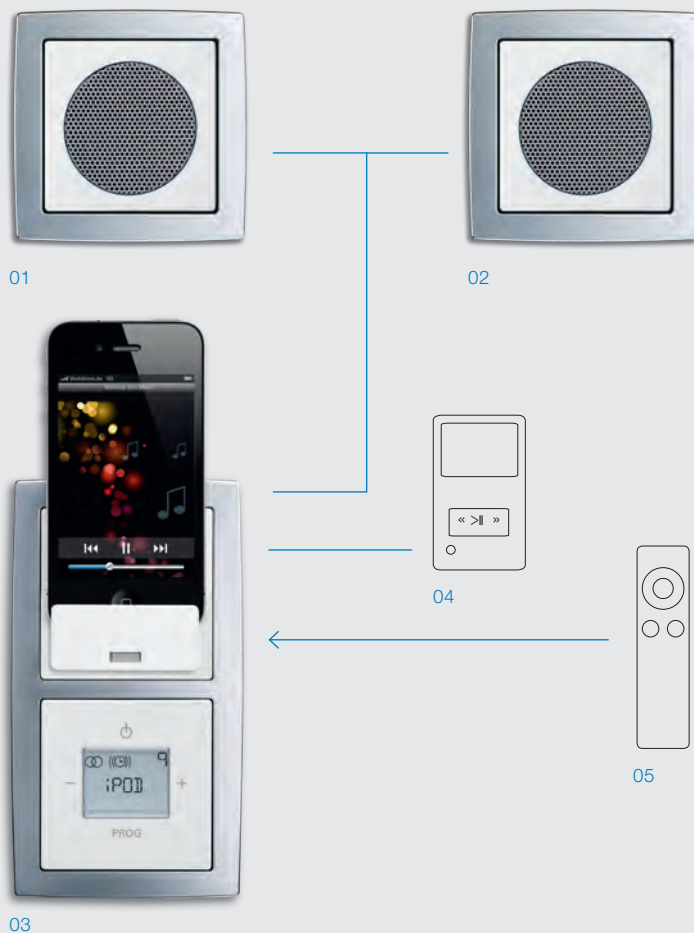
- » Integrated charger for iPhone, iPod or iPod touch models with Apple connector
 - » Docking station can be used as a stand-alone charger without a jumble of cables
 - » The mobile device is therefore stored at a fixed place
 - » The battery will always be fully charged
- Article-No. 8218 U
Article-No. 8254-xx
Switch series: future® linear

Busch-iDock

Integration of Busch-iDock

- » Apple connector for iPod, iPod touch or the iPhone
- » Additional options for connecting other MP3 players via 3.5 mm jack sockets
- » The iPhone, the iPod or iPod touch are charged via the Apple connector
- » The docking station can also be used alone as charging station
- » Wireless control is possible via the Apple remote control (obtain from Apple)
- » If the Apple connector is not used, the DigitalRadio can be operated with the remote control unit
- » The music fed in via the iDock docking station can be used as a source for the entire AudioWorld system and played in several rooms.

- 01 Loudspeaker insert
8223 U
8253-xxx
- 02 Loudspeaker insert
8223 U
8253-xxx
- 03 Busch-iDock
8218 U
8254-xx
DigitalRadio
8215 U
8252-xxx
- 04 MP3 player connection
via 3.5 mm jack plug
- 05 Apple remote control



Central unit with integrated stereo radio receiver 8202

The heart of Busch-AudioWorld® is a compact central unit designed as mini hi-fi component. This central module has a stereo radio tuner that can save up to eight radio stations. In addition, it has a connection for external music sources, which is usually used for the stereo system. The entire system can be easily commissioned: an eight-wire telephone line (J-Y[ST]-Y 4 x 2 x 0.8)

suffices for the transmission from the central unit to the amplifier inserts. After the connection of the central unit and the saving of the desired radio station on the unit itself, the control is implemented solely via the amplifier inserts in the individual rooms. The volume can be controlled separately in each room, independently of the settings on the system.



Performance overview DigitalRadio

- » Can be integrated into Busch-AudioWorld® systems similar to amplifier insert (without possibility of controlling the central unit)
- » Excellent stereo radio
- » Powerful digital amplifier
- » Only one flush-mounted wall box for the radio insert
- » The loudspeaker and radio insert can be mounted in combination or separately.
- » Optional external antenna, or use the internal antenna
- » Display with background light
- » Timer: alarm and snooze function
- » Parallel input for light switch
- » Menu and user guidance using "floating rocker" principle
- » Dynamic menu design, i.e. hiding of the clock and alarm function
- » Suitable for all ABB/Busch-Jaeger switch ranges

Busch-AudioWorld®

3gang combination

Busch-Comfort switch (with relay insert)

6816 U

6815-xx

DigitalRadio

8215 U

8252-xx

Loudspeaker

8223 U

8253-xx

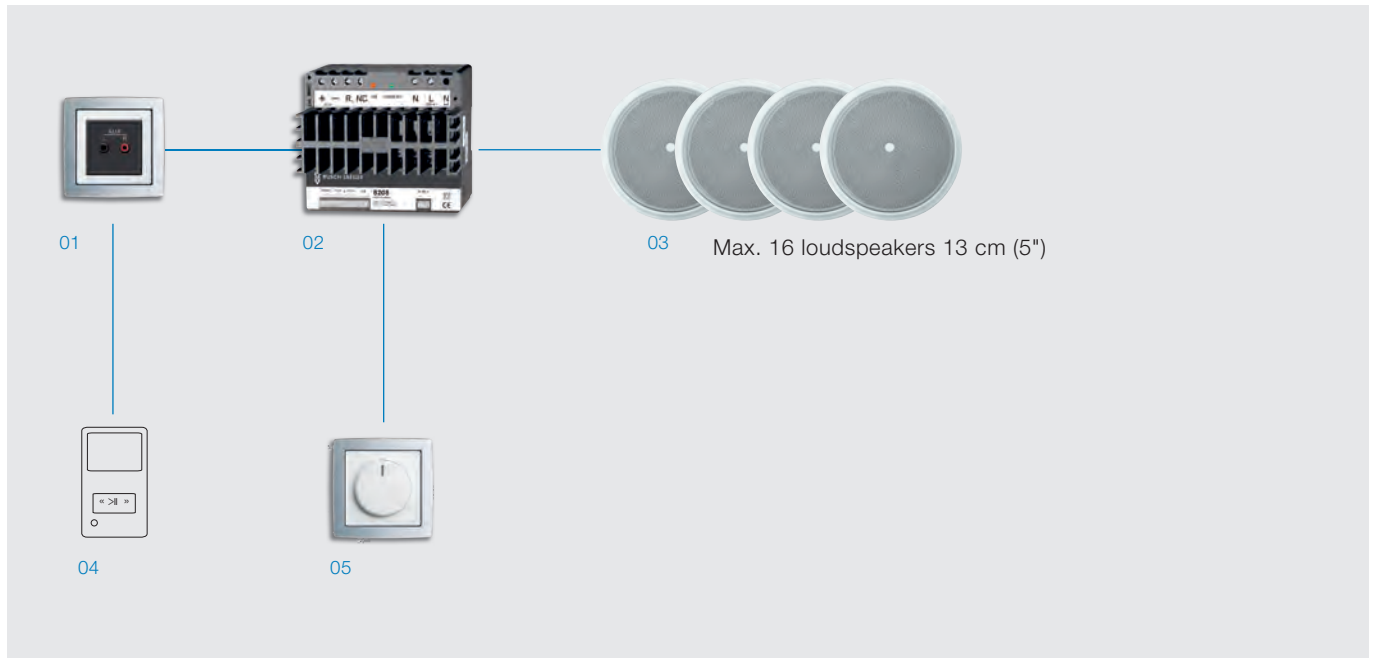
Frame

1723-80

Switch range: solo®



Good sound in all rooms – the fully integrated hi-fi system.



Example for application: shops, medical practices

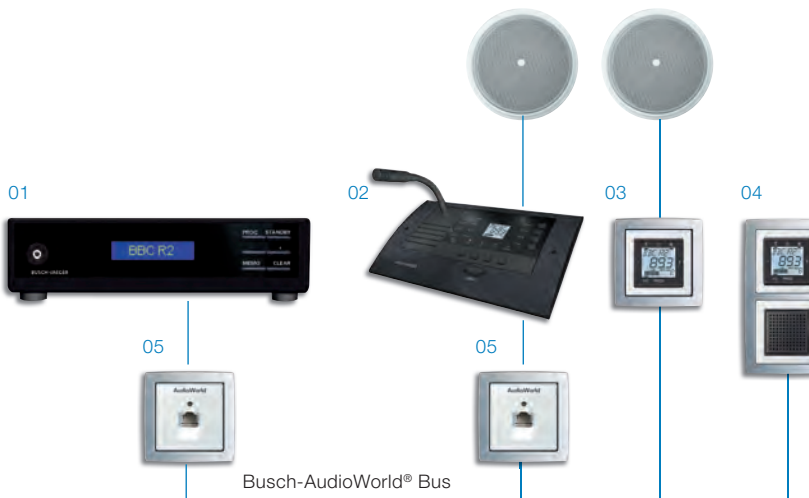
- 01 Audio input (Flush-mounted)
8210 U
8251-xx
- 02 MDRC amplifier 8208
- 03 Max. 16 loudspeakers
8222 EB
8228
- 04 External music source
- 05 Busch-Electronic potentiometer
2112-101
6540-xx-101



The system can be operated in different ways: e.g. via the push-buttons of an Amplifier insert, via special KNX actuators or via the Busch-electronic potentiometer, as shown in the picture above. The potentiometer looks like a normal dimmer. Operation of the

MDRC amplifier via the electronic potentiometer is just as simple as it looks: turning the rotary knob first activates the MDRC amplifier and then the volume is adjusted.

Targeted dialogue in individual rooms – sound plus individual communication




Example for application, medical practices, law offices

- 01 Central unit, 8202
- 02 Microphone console, 8205
- 03 Intercom amplifier
8214 U, 8251-xx
- 04 Intercom amplifier and loudspeaker
8214 U, 8251-xx
8221 U, 8251-xx
- 05 RJ 45 connection units
0213, 1803-xx


In addition to playing music in medical or law firms, the intercom function is a useful way of communication.

Patience relax while listening to the background music and time is passing by quickly. Suitable speakers can be installed in the waiting room. With the central microphone unit, selective announcements can be made to the



waiting room or the individual treatment rooms. The individually assignable buttons of the central microphone unit guarantee easy, fast operation. Of course, it is also possible to respond from the treatment rooms via the intercom amplifier insert e.g. to get the nurses assistance.

Product	Article-No.	Order-No.	Pack/Qty
	FT DigitalRadio 1) Complete set Ready-to-install complete set for mono operation. Consists of FT DigitalRadio 8215 U. Consists of speaker insert 8223 U. Consists of cover plate for FT DigitalRadio insert 8253-84. Consists of cover plate for speaker insert 8253-84. Consists of 2gang future® linear cover frame 1722-184K. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	84 davos/studio white 8220-84	8200-0-0111	1/10

1) No claw. Screw-fixing via keyholes.


	Busch-iDock 1) Complete set Ready-to-install complete set for mono operation. Consisting of Busch-iDock 8218 U. Consists of FT DigitalRadio 8215 U. Consists of speaker insert 8223 U. Consisting of the cover plate for Busch-iDock 8254-84. . Consists of cover plate for FT DigitalRadio insert 8253-84. Consists of cover plate for speaker insert 8253-84. Consisting of 3-gang future® linear cover frames. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	84 davos/studio white 8230-84	8200-0-0132	1/10

1) No claw. Screw-fixing via keyholes.

	Busch-iDock 1) 2) 3) 4) iPod®/iPhone® docking station for models with a dock connector. The music playback takes place through Busch-DigitalRadio 8215 U. Can be integrated as music source in Busch-AudioWorld® systems. With charging function of the contacted Apple® device. With IR receiver to control the contacted device via the Apple® Remote. Acknowledgement of the received IR commands through the integrated LED. With control function for Busch-DigitalRadio 8215 U. With AUX input (3.5 mm stereo jack) for additional playback devices. Can be installed as 1gang and in multiple combinations. *Apple, iPod, and iPhone are registered trademarks of Apple Inc. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	 8218 U	8200-0-0142	1/10

- 1) No claw. Screw-fixing via keyholes.
- 2) Remote control not included in delivery.
- 3) A list of the currently compatible Apple products can be called up at www.busch-jaeger.de.
- 4) *Made for iPod® and *Made for iPhone® means that an electronic accessory has been specially designed for connection to an iPod or iPhone and meets the respective Apple performance specifications that have been confirmed by the designer.
Apple is not responsible for the function of this device or its conformity with safety standards and regulatory standards.


	Cover plate For Busch-iDock 8218 U. Busch-Duro 2000® SI		
	212 white 8254-212	8200-0-0143	10
214 alpine white 8254-214	Reflex SI	8200-0-0144	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-iDock 8218 U. <i>alpha</i>		
	20 platinum 1) 8254-20	8200-0-0145	10
21 bronze 1) 8254-21	8200-0-0146	10	
22G ivory 8254-22G	8200-0-0147	10	
24G studio white 8254-24G	8200-0-0148	10	
260 palladium 1) 8254-260	8200-0-0149	10	
266 titanium 1) 8254-266	8200-0-0150	10	


1) Surface painted.

	Cover plate For Busch-iDock 8218 U. <i>future® linear</i>		
	81 anthracite 8254-81	8200-0-0151	10
82 savanna/ivory white 8254-82	8200-0-0133	10	
83 aluminium silver 8254-83	8200-0-0134	10	
84 davos/studio white 8254-84	8200-0-0135	10	
884 studio white matt 1) 8254-884	8200-0-0139	10	
885 black matt 1) 8254-885	8200-0-0140	10	
	<i>solo®</i>		
82 savanna/ivory white 8254-82	8200-0-0133	10	
84 davos/studio white 8254-84	8200-0-0135	10	
87 toscana/purple 1) 8254-87	8200-0-0136	10	
803 meteor/grey metallic 1) 8254-803	8200-0-0137	10	
815 sahara/yellow 8254-815	8200-0-0138	10	
	<i>Busch-axcent®</i>		
84 davos/studio white 8254-84	8200-0-0135	10	
	<i>carat®</i>		
81 anthracite 8254-81	8200-0-0151	10	
82 savanna/ivory white 8254-82	8200-0-0133	10	
84 davos/studio white 8254-84	8200-0-0135	10	

- 1) Surface painted.
*) Phase-out type

	Cover plate 1) For Busch-iDock 8218 U. <i>pure stainless steel</i>		
	866 stainless steel 8254-866	8200-0-0141	10

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
 <p>FT DigitalRadio 1) 2) 3) Standalone RDS stereo radio with display for flush-mounted assembly. Reception frequency: 87.50 MHz - 108.00 MHz. With external input for a Busch-AudioWorld® channel. For mono/stereo operation. 8 radio stations storable. With time display. With alarm function. With automatic switch-off function (automatic sleep mode). With extension input to remote-controlled ON/OFF switches. With integrated antenna. With additional connection for external antenna. Permitted speaker impedance: 4 - 8 Ohm Can be installed as 1gang and in multiple combinations. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Installation depth: 34 mm</p>	8215 U	8200-0-0041	1/10

1) No claw. Screw-fixing via keyholes.
 2) Passender Lautsprecher-Einsatz 8223 U.
 3) Can also be combined with built-in loudspeaker (8222 EB) and moisture-proof loudspeaker (8224 EB).


 <p>Loudspeaker insert 1) 5 cm (2") For FT DigitalRadio 8215 U. With broadband characteristics. With flat plug connector. Incl. speaker connection cable. Rated output: 2 W (RMS) Frequency response: 200 - 20,000 Hz Impedance: 4 Ohm Protection class (Device): IP 20, SELV Installation depth: 32 mm</p>	8223 U	8200-0-0042	1/10
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1) No claw. Screw-fixing via keyholes.


Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For FT DigitalRadio 8215 U. Busch-Duro 2000® SI</p>	212 white	8252-212	8200-0-0048 10
	214 alpine white	8252-214	8200-0-0049 10

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For FT DigitalRadio 8215 U. alpha</p>	20 platinum 1)	8252-20	8200-0-0065 10
	21 bronze 1)	8252-21	8200-0-0066 10
	22G ivory	8252-22G	8200-0-0067 10
	24 studio white matt	8252-24	8200-0-0068 10
	24G studio white	8252-24G	8200-0-0069 10
	260 palladium 1)	8252-260	8200-0-0074 10
	266 titanium 1)	8252-266	8200-0-0075 10


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For FT DigitalRadio 8215 U. future® linear</p>	81 anthracite	8252-81	8200-0-0050 10
	82 savanna/ivory white	8252-82	8200-0-0051 10
83 aluminium silver 1)	8252-83	8200-0-0052 10	
84 davos/studio white	8252-84	8200-0-0053 10	
884 studio white matt 1)	8252-884	8200-0-0122 10	
885 black matt 1)	8252-885	8200-0-0125 10	
solo®			
82 savanna/ivory white	8252-82	8200-0-0051 10	
84 davos/studio white	8252-84	8200-0-0053 10	
87 toscana/purple 1)	8252-87	8200-0-0056 10	
803 meteor/grey metallic 1)	8252-803	8200-0-0112 10	
815 sahara/yellow	8252-815	8200-0-0113 10	
Busch-axcent®			
84 davos/studio white	8252-84	8200-0-0053 10	
carat®			
81 anthracite	8252-81	8200-0-0050 10	
82 savanna/ivory white	8252-82	8200-0-0051 10	
84 davos/studio white	8252-84	8200-0-0053 10	
pure stainless steel 1)			
866 stainless steel	8252-866	8200-0-0059 10	

1) Surface painted.
 *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For FT DigitalRadio 8215 U. impuls</p>	72 ivory	8252-72	8200-0-0061 10
	74 alpine white	8252-74	8200-0-0062 10
79 champagne metallic 1)	8252-79	8200-0-0063 10	
774 studio white matt 1)	8252-774	8200-0-0129 10	
775 black matt 1)	8252-775	8200-0-0127 10	
777 blackberry 1)	8252-777	8200-0-0114 10	
783 aluminium silver 1)	8252-783	8200-0-0064 10	

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For loudspeaker insert 8223 U. Busch-Duro 2000® SI</p>	212 white	8253-212	8200-0-0076 1/10
	214 alpine white	8253-214	8200-0-0077 1/10

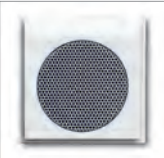
Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate For loudspeaker insert 8223 U.			
	<i>alpha</i>			
	20 platinum ¹⁾	8253-20	8200-0-0093	1/10
	21 bronze ¹⁾	8253-21	8200-0-0094	1/10
	22G ivory	8253-22G	8200-0-0095	1/10
	24 studio white matt	8253-24	8200-0-0096	1/10
	24G studio white	8253-24G	8200-0-0097	1/10
260 palladium ¹⁾	8253-260	8200-0-0102	1/10	
266 titanium ¹⁾	8253-266	8200-0-0103	1/10	

1) Surface painted.


	Cover plate For loudspeaker insert 8223 U.			
	<i>future® linear</i>			
	81 anthracite	8253-81	8200-0-0078	1/10
	82 savanna/ ivory white	8253-82	8200-0-0079	1/10
	83 aluminium silver ¹⁾	8253-83	8200-0-0080	1/10
	84 davos/studio white	8253-84	8200-0-0081	1/10
	884 studio white matt ¹⁾	8253-884	8200-0-0123	1/10
	885 black matt ¹⁾	8253-885	8200-0-0126	1/10
	<i>solo®</i>			
	82 savanna/ ivory white	8253-82	8200-0-0079	1/10
	84 davos/studio white	8253-84	8200-0-0081	1/10
	87 toscana/purple ¹⁾	8253-87	8200-0-0084	1/10
	803 meteor/ grey metallic ¹⁾	8253-803	8200-0-0115	1/10
	815 sahara/yellow	8253-815	8200-0-0116	1/10
	<i>Busch-axcent®</i>			
84 davos/studio white	8253-84	8200-0-0081	1/10	
<i>carat®</i>				
81 anthracite	8253-81	8200-0-0078	1/10	
82 savanna/ ivory white	8253-82	8200-0-0079	1/10	
84 davos/studio white	8253-84	8200-0-0081	1/10	
<i>pure stainless steel ¹⁾</i>				
866 stainless steel	8253-866	8200-0-0087	1/10	


1) Surface painted.

¹⁾ Phase-out type


	Cover plate For loudspeaker insert 8223 U.			
	<i>impuls</i>			
	72 ivory	8253-72	8200-0-0089	1/10
	74 alpine white	8253-74	8200-0-0090	1/10
	79 champagne metallic ¹⁾	8253-79	8200-0-0091	1/10
	774 studio white matt ¹⁾	8253-774	8200-0-0130	1/10
	775 black matt ¹⁾	8253-775	8200-0-0128	1/10
	777 blackberry ¹⁾	8253-777	8200-0-0117	1/10
	783 aluminium silver ¹⁾	8253-783	8200-0-0092	1/10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Base station With RDS tuner, stereo, 2 channels For setting up multi-room public address systems. With integrated RDS tuner. Reception frequency: 87.50 MHz - 108.00 MHz. 8 radio stations storable. 2 separate stereo audio channels. 1 additional channel for voice messages. With intercom management function. With 2 external AUX inputs. For 4 Busch-AudioWorld® system amplifiers. Extendable via the MDRC power pack 8209-101. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz/60 Hz Rated current: 1.2 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 53 mm x 203 mm x 201 mm		
	8202	8200-0-0118	1

	MDRC power pack ¹⁾ For extending the maximum number of system amplifiers at one base station. For 5 additional Busch-AudioWorld® system amplifiers. Parallel connection possible to base station and to each other. Can be used in "standalone" mode, i.e. without base station. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz/60 Hz Rated current: 1.5 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 110 mm x 125 mm x 70 mm Module width: 7 MW		
	8209-101	8200-0-0106	1/10

1) Max. 3 MDRC power packs per system.

	MDRC (modular DIN rail component) amplifier Busch-AudioWorld® system amplifier. Can be operated in booster mode with system amplifier 8205, 8211 U, or 8214 U. Can be operated in "standalone" mode with one audio input 8210 U. For increasing the output power to 2 x 10 W. Can be used in bridge operation. For extending the number of speakers at one amplifier insert. For max. 16 Busch-AudioWorld® speakers. Permitted speaker impedance: 2 - 16 Ohm With integrated 1-10 V interface for volume control. Can be combined with Busch electronic potentiometer insert 2112 U-101. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz Rated current: 1.5 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 110 mm x 125 mm x 70 mm Module width: 7 MW		
	8208	8200-0-0107	1/10


Product	Article-No.	Order-No.	Pack/Qty
 <p>Microphone console Busch-AudioWorld® system amplifier. For language announcements to 15 individual call zones. With additional broadcast function With 8 direct buttons for pre-selecting call zones With gooseneck microphone. For individual volume control. For switching between Busch-AudioWorld® system channel 1 and 2. For switching of the central radio channel. Optional deactivation of announcements (do not disturb). For mono/stereo operation. With noise control function. With time display. With acoustic monitoring function (baby monitor). Permitted speaker impedance: 8 - 16 Ohm Rated voltage: 15 V- Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 85 mm x 248 mm x 175 mm Installation depth: 85 mm</p>	8205	8200-0-0120	1

 <p>Intercom amplifier insert 1) With display Busch-AudioWorld® system amplifier. For individual volume control. For language announcements to 15 individual call zones. With additional broadcast function For switching between Busch-AudioWorld® system channel 1 and 2. For switching of the central radio channel. Optional deactivation of announcements (do not disturb). For mono/stereo operation. With noise control function. With time display. With alarm function. With automatic switch-off function (automatic sleep mode). With acoustic monitoring function (baby monitor). Permitted speaker impedance: 8 - 16 Ohm Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 36 mm</p>	8214 U	8200-0-0119	1/10
	81 anthracite		


1) No claw. Screw-fixing via keyholes.

 <p>Amplifier insert 1) For individual volume control. With switchover between radio and external music source. For switching of the central radio channel. For mono/stereo operation. With automatic loudness function. Optional automatic switch-off after 30 min. (Sleep function). Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 32 mm</p>	8211 U	8200-0-0010	1/10
	81 anthracite		


1) No claw. Screw-fixing via keyholes.


 <p>Audio input 1) For feeding external music sources into the Busch-AudioWorld® public address system. For 1 stereo audio channel For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For MDRC amplifier 8208. Can be combined with FT DigitalRadio (8215 U). Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 34 mm</p>	8210 U	8200-0-0108	1
	81 anthracite		

1) No claw. Screw-fixing via keyholes.


Product	Article-No.	Order-No.	Pack/Qty
 <p>Loudspeaker insert 1) 5 cm (2") For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screwless terminals. Rated output: 2 W (RMS) Frequency response: 150 - 16,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Installation depth: 34 mm</p>	8221 U	8200-0-0012	1/10
	81 anthracite		

1) No claw. Screw-fixing via keyholes.


 <p>Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. Busch-Duro 2000® SI</p>	8251-212	8200-0-0018	10
	212 white		
<p>Reflex SI</p>	8251-214	8200-0-0019	10
	214 alpine white		


 <p>Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. <i>alpha</i></p>	8251-20	8200-0-0020	10
	20 platinum 1)		
<p>8251-21</p>	8251-21	8200-0-0021	10
	21 bronze 1)		
<p>8251-22G</p>	8251-22G	8200-0-0022	10
	22G ivory		
<p>8251-24</p>	8251-24	8200-0-0023	10
	24 studio white matt		
<p>8251-24G</p>	8251-24G	8200-0-0024	10
	24G studio white		
<p>8251-260</p>	8251-260	8200-0-0029	10
	260 palladium 1)		
<p>8251-266</p>	8251-266	8200-0-0030	10
	266 titanium 1)		


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. future® linear		
81 anthracite	8251-81	8200-0-0031	10
82 savanna/ ivory white	8251-82	8200-0-0032	10
83 aluminium silver ¹⁾	8251-83	8200-0-0039	10
84 davos/studio white	8251-84	8200-0-0033	10
884 studio white matt ¹⁾	8251-884	8200-0-0121	10
885 black matt ¹⁾	8251-885	8200-0-0124	10
	solo®		
82 savanna/ ivory white	8251-82	8200-0-0032	10
84 davos/studio white	8251-84	8200-0-0033	10
87 toscana/purple ¹⁾	8251-87	8200-0-0036	10
803 meteor/ grey metallic ¹⁾	8251-803	8200-0-0105	10
815 sahara/yellow	8251-815	8200-0-0104	10
	Busch-axcent®		
84 davos/studio white	8251-84	8200-0-0033	10
	carat®		
81 anthracite	8251-81	8200-0-0031	10
82 savanna/ ivory white	8251-82	8200-0-0032	10
84 davos/studio white	8251-84	8200-0-0033	10
	pure stainless steel ¹⁾		
866 stainless steel	8251-866	8200-0-0040	10


¹⁾ Surface painted.
^{*)} Phase-out type


	Built-in loudspeakers 13 cm (5") For amplifier inserts 8211 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screw-type terminals. Rated output: 6 W (RMS) Frequency response: 72 - 12,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Temperature range (Device): 5 °C to 40 °C Dimensions: (L x W x D): 148 mm x 148 mm x 69 mm		
	8222 EB	8200-0-0013	1/5


	Loudspeaker grid metal For built-in loudspeaker: 8222 built-in. With central fixation screw. With screw cover. Protection class (Device): IP 20 Dimensions: (L x W x D): 185 mm x 185 mm x 15 mm		
white	8228	8200-0-0014	1/10


	Moist atmosphere speaker 13 cm (5") For amplifier inserts 8211 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screw-type terminals. Rated output: 7 W (RMS) Frequency response: 84 - 16,500 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Temperature range (Device): -20 °C to 55 °C Dimensions: (L x W x D): 148 mm x 148 mm x 69 mm		
	8224 EB	8200-0-0109	1/5

Product	Article-No.	Order-No.	Pack/Qty
	Loudspeaker grid Plastic material For built-in speakers 8222 EB and moist atmosphere speakers 8224 EB. With central fixation screw. Protection class (Device): IP 20 Dimensions: (L x W x D): 190 mm x 190 mm x 11 mm		
white	8227	8200-0-0110	1/10


	Flush-mounted wall box For built-in speakers 8222 EB and moist atmosphere speakers 8224 EB. For flush-mounted assembly. Drilling measurements: 174 mm. Dimensions: (L x W x D): 174 mm x 174 mm x 84 mm Installation depth: 84 mm		
	8229/1	8200-0-0015	1/10

	Hollow-wall installation ring For built-in speakers 8222 EB and moist atmosphere speakers 8224 EB. For mounting in hollow walls/ceilings. With spring claws. Drilling measurements: 160 mm. Dimensions: (L x W x D): 174 mm x 174 mm x 105 mm Installation depth: 110 mm		
	8229/2	8200-0-0016	1/10

	Blind plate For covering premounted flush-mounted wall box 8229/1. For covering premounted hollow wall installation ring 8229/2. With rotary fixation. Dimensions: (L x W x D): 170 mm x 170 mm x 31 mm		
white	8229/3	8200-0-0017	1/5

	Universal data connection unit, cat. 3 ¹⁾ 1 gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100

¹⁾ To fit cover plate 1803-xxx.

	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
	Busch-Duro 2000® SI		
212 white	1803-212	1753-0-8949	10
	Reflex SI		
214 alpine white	1803-214	1753-0-8394	10

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate

As cover for universal data connection boxes.
 Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.),
 0221-507 (Cat. 6), data technology and comparable types
 from the company Rutenbeck.
 Brand-Rex (WAEGV 8 EKR/EK).
 BTR (universal data connecting unit design and IAE design).
 Telegärtner (AMJ 45, UMJ 45).
 With down-leading outlet.

alpha

20 platinum ¹⁾	1803-20	1753-0-8410	10
21 bronze ¹⁾	1803-21	1753-0-8428	10
22G ivory	1803-22G	1710-0-2603	10
24 studio white matt	1803-24	1753-0-8436	10
24G studio white	1803-24G	1710-0-2025	10
260 palladium ¹⁾	1803-260	1710-0-3322	10
266 titanium ¹⁾	1803-266	1710-0-3348	10



impuls

72 ivory	1803-72	1753-0-0085	10
74 alpine white	1803-74	1753-0-8964	10
79 champagne metallic ¹⁾	1803-79	1753-0-8998	10
774 studio white matt ¹⁾	1803-774	1753-0-0194	10
775 black matt ¹⁾	1803-775	1753-0-0162	10
777 blackberry ¹⁾	1803-777	1753-0-0130	10
783 aluminium silver ¹⁾	1803-783	1753-0-0087	10

1) Surface painted.



Cover plate ¹⁾

As cover for universal data connection boxes.
 Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.),
 0221-507 (Cat. 6), data technology and comparable types
 from the company Rutenbeck.
 Brand-Rex (WAEGV 8 EKR/EK).
 BTR (universal data connecting unit design and IAE design).
 Telegärtner (AMJ 45, UMJ 45).
 With down-leading outlet.
 With labelling field.
 Size of labelling field: 60.2 x 9.2 mm.

future® linear

81 anthracite	1803-81	1710-0-3616	10
82 savanna/ivory white	1803-82	1710-0-3147	10
83 aluminium silver ²⁾	1803-83	1710-0-3674	10
84 davos/studio white	1803-84	1710-0-3165	10/100
884 studio white matt ²⁾	1803-884	1710-0-3889	10
885 black matt ²⁾	1803-885	1710-0-3912	10

solo®

82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100

87 toscana/purple ¹⁾	1803-87	1710-0-3219	10
803 meteor/grey metallic ²⁾	1803-803	1710-0-3852	10
815 sahara/yellow	1803-815	1710-0-3832	10

Busch-axcent®

84 davos/studio white	1803-84	1710-0-3165	10/100
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carat®

81 anthracite	1803-81	1710-0-3616	10
82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100

pure stainless steel ²⁾

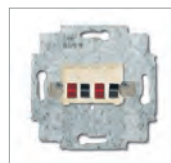
866 stainless steel	1803-866	1710-0-3763	10/100
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1) Labelling sheets 1799 18 and labelling software.

2) Surface painted.

³⁾ Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Stereo loudspeaker connection box ¹⁾

With clamp terminals (with screw terminals on the back).
 With 4 terminals.
 Cable cross-section max. 10 mm².
 Pooling with coloured marking.
 with claw

white	0248/02-101	0230-0-0402	10/100
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1) Suitable for cover telephone unit 1766-xxx and 2539-21x.



Stereo loudspeaker connection box ¹⁾

With clamp terminals (with screw terminals on the back).
 With 4 terminals.
 Cable cross-section max. 10 mm².
 Pooling with coloured marking.
 with claw

alpine white	0248/04-101	0230-0-0403	10/100
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1) Suitable for cover telephone unit 1766-xxx and 2539-21x.



Stereo loudspeaker connection box ¹⁾

With clamp terminals (with screw terminals on the back).
 With 4 terminals.
 Cable cross-section max. 10 mm².
 Pooling with coloured marking.
 with claw

black	0248/05-101	0230-0-0404	10/100
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1) Suitable for cover telephone unit 1766-xxx and 2539-21x.



Cover plate

for telephone connection unit
 For loudspeaker connection box
 Suitable for part number 0248/0x-101.
 For data modules.
 Suitable for Art. No. 0219/12 and 0219/13.
 For modular outlets with 90° RJ45 outlet from Telegärtner
 (type MJ and WE).

212 white	2539-212	1724-0-0434	10/100
214 alpine white	2539-214	1724-0-0913	10/100

Busch-Duro 2000® SI

Reflex SI



Product	Article-No.	Order-No.	Pack/Qty
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Cover plate

for telephone connection unit
For loudspeaker connection box
Suitable for part number 0248/0x-101.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

alpha

20 platinum ¹⁾	1766-20	1753-0-2629	10
21 bronze ¹⁾	1766-21	1753-0-2637	10
22G ivory	1766-22G	1710-0-2496	10
24 studio white matt	1766-24	1753-0-2645	10
24G studio white	1766-24G	1753-0-7743	10
260 palladium ¹⁾	1766-260	1710-0-3310	10/100
266 titanium ¹⁾	1766-266	1710-0-3336	10/100


impuls

72 ivory	1766-72	1753-0-0055	10
74 alpine white	1766-74	1753-0-4989	10
79 champagne metallic ¹⁾	1766-79	1753-0-5465	10
774 studio white matt ¹⁾	1766-774	1753-0-0176	10
775 black matt ¹⁾	1766-775	1753-0-0148	10
777 blackberry ¹⁾	1766-777	1753-0-0116	10
783 aluminium silver ¹⁾	1766-783	1753-0-0056	10

1) Surface painted.


Cover plate

for telephone connection unit
For loudspeaker connection box
Suitable for part number 0248/0x-101.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

future® linear

81 anthracite	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
83 aluminium silver ¹⁾	1766-83	1710-0-3659	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
884 studio white matt ¹⁾	1766-884	1710-0-3926	10
885 black matt ¹⁾	1766-885	1710-0-3903	10

solo®

82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
87 toscana/purple ¹⁾	1766-87	1710-0-3216	10
803 meteor/grey metallic ¹⁾	1766-803	1710-0-3854	10
815 sahara/yellow	1766-815	1710-0-3834	10

Busch-axcent®

84 davos/studio white	1766-84	1710-0-3162	10/100
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carat®

81 anthracite	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100

pure stainless steel

866 stainless steel	1766-866	1710-0-3765	10/100
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1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate

With metal mounting plate
loudspeaker inserts and cover.
fixing claws
Conductor cross-sections up to 4 mm² rigid.
With screw-type terminal.

Busch-Duro 2000® SI

212 white	2147 U-212	1723-0-0063	10
	Reflex SI		
214 alpine white	2147 U-214	1723-0-0162	10
215 black	2147 U-215	1723-0-0170	10


Cover plate

With metal mounting plate
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.

alpha

20 platinum ¹⁾	1751-20	1723-0-0113	10
21 bronze ¹⁾	1751-21	1723-0-0121	10
22G ivory	1751-22G	1723-0-0238	10
24 studio white matt	1751-24	1723-0-0139	10
24G studio white	1751-24G	1723-0-0204	10
260 palladium ¹⁾	1751-260	1723-0-0245	10/100
266 titanium ¹⁾	1751-266	1723-0-0246	10


impuls

72 ivory	1751-72	1753-0-0048	10
74 alpine white	1751-74	1753-0-4971	10
79 champagne metallic ²⁾	1751-79	1753-0-5457	10
774 studio white matt ²⁾	1751-774	1753-0-0173	10
775 black matt ²⁾	1751-775	1753-0-0145	10
777 blackberry ²⁾	1751-777	1753-0-0113	10
783 aluminium silver ²⁾	1751-783	1753-0-0049	10

1) Real metal surface.
2) Surface painted.

Product Article-No. Order-No. Pack/Qty

Product Article-No. Order-No. Pack/Qty



**Cover plate
With metal mounting plate**
fixing claws
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.

future® linear

81	anthracite	1751-81	1723-0-0253	10
82	savanna/ ivory white	1751-82	1723-0-0239	10
83	aluminium silver ¹⁾	1751-83	1723-0-0254	10
84	davos/studio white	1751-84	1723-0-0240	10/100
885	black matt ¹⁾	1751-885	1723-0-0259	10
884	studio white matt ¹⁾	1751-884	1723-0-0260	10
solo®				
82	savanna/ ivory white	1751-82	1723-0-0239	10
84	davos/studio white	1751-84	1723-0-0240	10/100
87	toscana/purple ¹⁾	1751-87	1723-0-0243	10
803	meteor/ grey metallic ¹⁾	1751-803	1723-0-0257	10
815	sahara/yellow	1751-815	1723-0-0256	10
Busch-axcent®				
84	davos/studio white	1751-84	1723-0-0240	10/100
carat®				
81	anthracite	1751-81	1723-0-0253	10
82	savanna/ ivory white	1751-82	1723-0-0239	10
84	davos/studio white	1751-84	1723-0-0240	10/100
<i>pure stainless steel</i>				
866	stainless steel	1751-866	1723-0-0255	10

¹⁾ Surface painted.
^{*)} Phase-out type



**Cover plate
With rotary control, with marking**
As a cover for volume controllers.
Suitable for the "LR 15 mono BJ UP" devices of WHD.

future® linear

82	savanna/ ivory white	1740 DR/03-82	1710-0-3807	10
83	aluminium silver ¹⁾	1740 DR/03-83	1710-0-3811	10
84	davos/studio white	1740 DR/03-84	1710-0-3808	10
884	studio white matt ¹⁾	1740 DR/03-884	1710-0-3870	10
885	black matt ¹⁾	1740 DR/03-885	1710-0-3892	10
<i>pure stainless steel</i>				
866	stainless steel	1740 DR/03-866	1710-0-3812	10

¹⁾ Surface painted.



Dimmer. Dawn and dusk.

In nature, the most beautiful light occurs in the twilight hours. At home, dimmers can help to create highly pleasant lighting effects that set the stage for every room. Our broad range of devices offers the right solution for each and every situation.



01



Dimmer

- 01 2gang combination dimmer/socket outlet with shutter.
Switch series solo®.
Colour: davos studio white.
- 02 Busch-Memory 2gang dimmer
- 03 IR sensor with 1gang control element
- 04 Busch-Universal Master Dimmer®

Contents Dimmer

Dimmer overview	p. 307
Flush-mounted dimmers	p. 308
Cover plates	p. 310
Control elements	p. 312
IR control elements	p. 313
Comfort timer	p. 314
Dimmer MDRC	p. 315
Control module	p. 315
Light sensor	p. 315



02



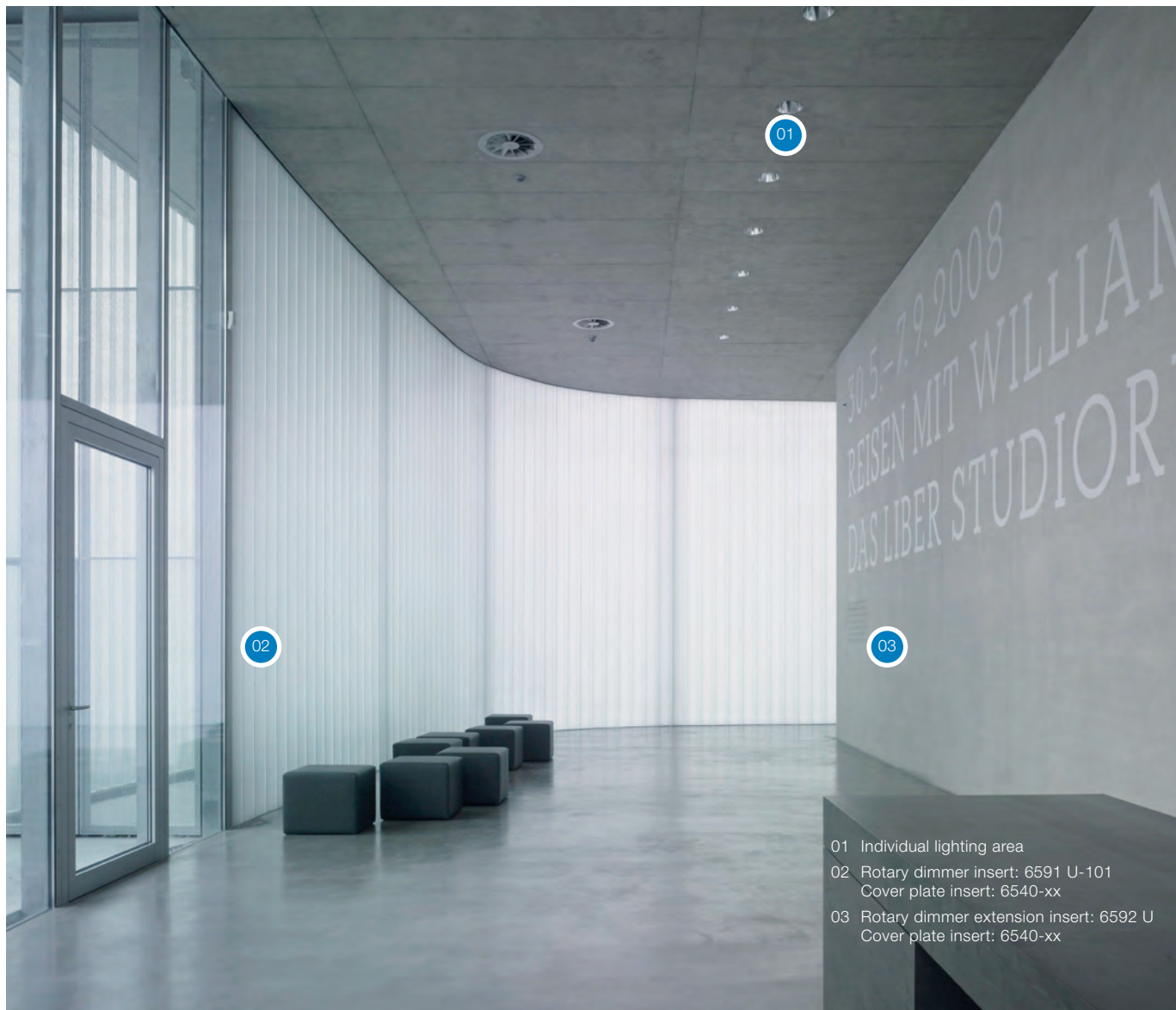
03



04

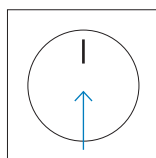
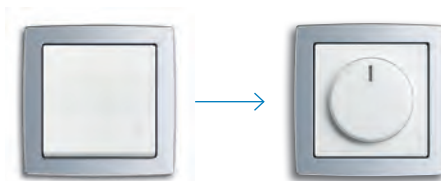


Wherever you want it, it's there: Busch-Dimmer®

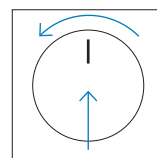


- 01 Individual lighting area
- 02 Rotary dimmer insert: 6591 U-101
Cover plate insert: 6540-xx
- 03 Rotary dimmer extension insert: 6592 U
Cover plate insert: 6540-xx

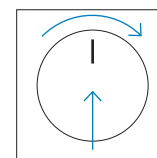
Come on in: through whichever door you enter a room – a rotary control element is already waiting for you. This works without a problem, also in the case of the existing two-way and single-gang wiring thanks to a maximum of up to five rotary dimmer extension. In operation, there is no difference between the actual dimmer and the extension and the universal dimmer will work with many types of loads.



Last brightness
Turn on the device with the last brightness used as follows: Just press the rotary button.

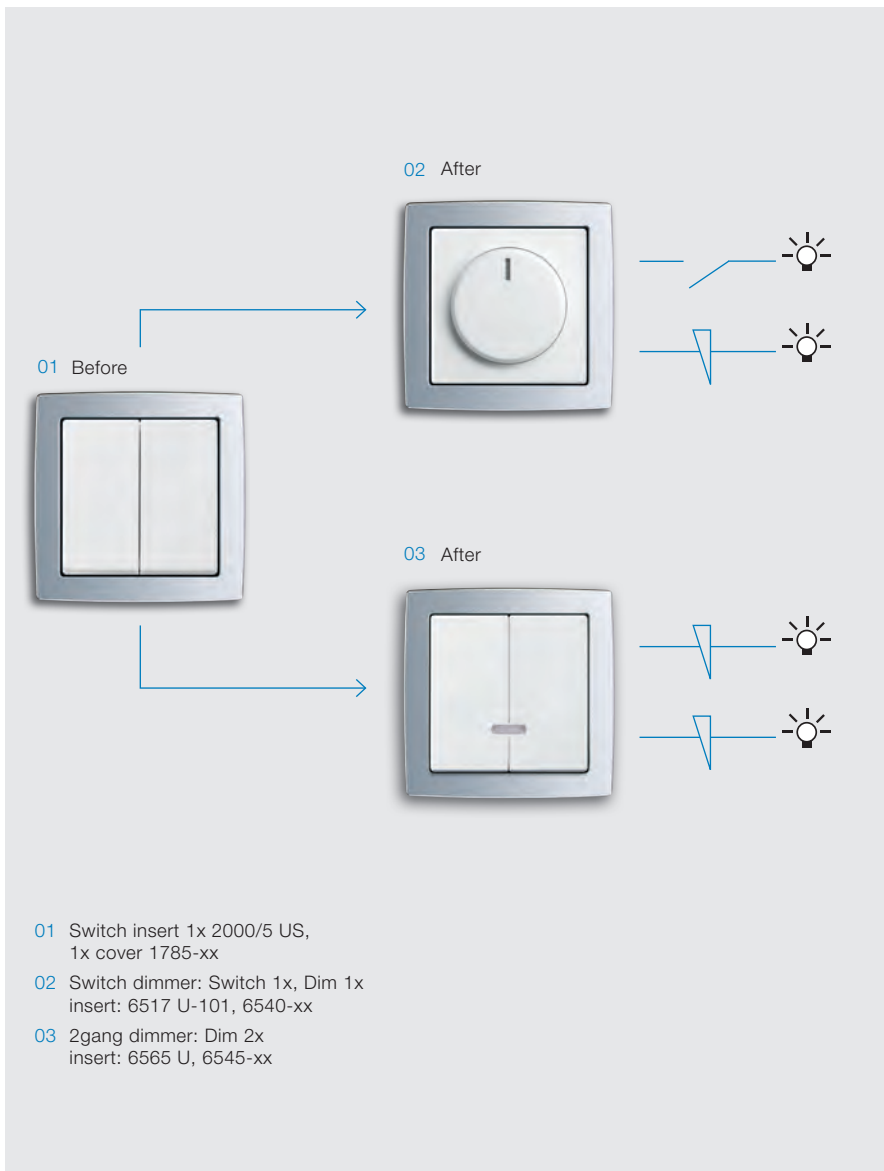


Minimum brightness
To dim completely: Turn the rotary button one quarter turn to the left. Press the rotary button.



Maximum brightness
You want it to be as bright as possible immediately: Turn the rotary button one quarter turn to the right. Press the rotary button.

Double comfort for retrofitting



Even with a 2gang switch (switch with two rockers), you can retrofit a dimmer without structural changes. There are two possibilities in this case.

You would like to dim one lamp while switching on the other as usual? The switch dimmer is ideal. It looks like a normal rotary dimmer, but that's where the resemblance ends. If you turn it, you dim one lamp, but if you press it, you switch the second lamp on or off.

You would like to dim two lights independently of each other and thus provide an individual lighting atmosphere? The 2gang dimmer is the perfect solution.

One lamp is controlled with each rocker half. A brief press turns the light on and off, while a longer one the lamp dims up or down.

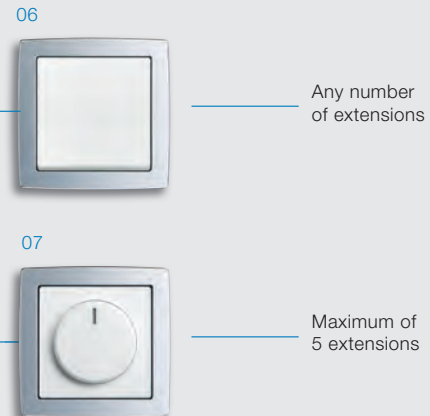


There, wherever you need it: Busch-Dimmer®

Versatility and mounting-friendliness: the power modules are controlled using a cable included in delivery and only have to be plugged in, thus which prevents wiring mistakes.

The cover located on the dimmer can be exchanged for plug-in modules. You can choose between a push-switch control element, a rotary control element, and a timer control element. Centralised control is thus possible.

In addition, up to five rotary dimmer extensions or an unlimited number of conventional NO contact push-switches can be integrated.








Up to six capacity boosters can be connected to a master dimmer. In this way, loads up to 3,000 W/VA can be controlled via a single lamp wire. This is particularly helpful for renovation since it is often the case that no additional wires should be laid.

Operation principle

- 01 Busch-Universal master dimmer capacity booster insert: 6584
- 02 Busch-Universal master dimmer insert: 6583-500
- 03 Push button cover insert: 6543/10-500
- 04 Rotary knob cover insert: 6543/11-500
- 05 Busch-Timer® control cover insert: 6543/12-500
- 06 Push-switch extension insert: 2020 US
- 07 Rotary dimmer extension insert: 6592 U

As much output as necessary – not more and not less. For perfect operation, MDRC dimmers should be placed with 1/2 module width distance in between to prevent over heating of the device.

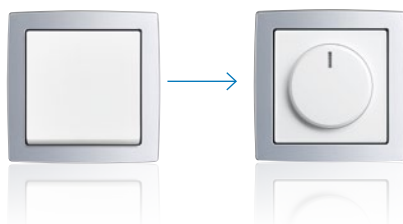


Busch-Dimmer®		Output		Lighting					Cover plate			
Version	Insert:	Min.	Max.	 Incandescent lamp	 230 V halogen	 Conventional transformer Package/Toroidal	 Busch-Electronic transformer	 ECG (1-10 V)				
Flush-mounted rotary dimmer	2200 UJ-212	60 W	400 W	X	X				2110 C-21x	-	-	-
	2247 U ³⁾	20 VA	500 VA	X	X	X ¹⁾			2115-21x	6540-2xx	6540-7xx	6540-8xx-102
	2250 U ³⁾	60 W	600 W	X	X				2115-21x	6540-2xx	6540-7xx	6540-8xx-102
	6520 U	200 W/WA	1.000 W/WA	X	X	X ¹⁾			2115-21x	6540-2xx	6540-7xx	6540-8xx-102
	6513 U-102 ^{3/4)}	40 W/WA	420 W/WA	X	X		X ²⁾		2115-21x	6540-2xx	6540-7xx	6540-8xx-102
	6517 U-101	60 W	400 W/WA	X	X	X ¹⁾			2115-21x	6540-2xx	6540-7xx	6540-8xx-102
	6519 U ⁴⁾	40 W/WA	550 W/WA	X	X		X ²⁾		2115-21x	6540-2xx	6540-7xx	6540-8xx-102
Universal dimmer Extension for connection to 6591 U	6591 U-101 ^{4/5)}	60 W/WA	420 W/WA	X	X	X ¹⁾	X ²⁾		2115-21x	6540-2xx	6540-7xx	6540-8xx-102
	6592 U	-	-						2115-21x	6540-2xx	6540-7xx	6540-8xx-102
Electr. Potentiometer	2112 U-101	-	4 A cos φ 0,9 3 A cos φ 0,5					X	2115-21x	6540-2xx	6540-7xx	6540-8xx-102
Touch dimmer	6560 U-101 ⁵⁾	20 VA	500 VA	X	X	X ¹⁾			6543-21x	6543-2xx	6543-7xx	6543-8xx
Universal dimmer insert as above – Capacity booster	6593 U ^{4/5/6/8)}	60 W/WA	420 W/WA ⁸⁾	X	X	X ¹⁾	X ²⁾		6543-21x	6543-2xx	6543-7xx	6543-8xx
	6594 U	200 W/WA	315 W/WA	X	X	X ¹⁾	X ²⁾		6543-21x	6543-2xx	6543-7xx	6543-8xx
Memory 2gang-1way dimmer	6565 U ²⁾	40 W/WA	315 W/WA	X	X		X ²⁾		6545-21x	6545-2xx	6545-7xx	6545-8xx
Memory touch-type controller	6550 U-101 ^{5/6)}	-	4 A cos φ 0,9 3 A cos φ 0,5					X	6543-21x	6543-2xx	6543-7xx	6543-8xx
Modular DIN-rail dimmer	2247 ³⁾	20 VA	500 VA	X	X	X ¹⁾			1) In the case of convention transformers, take 20% transformer losses into consideration. 2) In the case of convention transformers, take 5% transformer losses into consideration. 3) With power network isolating terminal. 4) With electronic fuse. 5) Extension use possible (NO contact push-switch 2020 US or 2021/6 UK, unit). 6) Insert with IR control element 6066-XX-101 possible. 7) Output can be expanded by several power modules. Actuation through control modules 6597, 6197/11-102-500, 6997/60-500 possible. 8) Output can be expanded using an Flush-mounted power module 6594 U.			
	2250 KB ³⁾	60 VA	600 W	X	X							
	6560-101	20 VA	500 VA	X	X	X ¹⁾						
	6513-102 ^{3/4)}	40 W	420 W	X	X		X ²⁾					
Universal master dimmer	6583 ⁴⁾	60 W/WA	500 W/WA ⁷⁾	X	X	X ¹⁾	X ²⁾					
as above – Capacity booster	6584	200 W/WA	420 W/WA ⁷⁾	X	X	X ¹⁾	X ²⁾					
Control module	6597	for central control of Universal Central Dimmers 6583-500		X	X		X ²⁾					
Memory touch-type controller	6550 ⁵⁾	-	4 A cos φ 0,9 3 A cos φ 0,5					X				
Electr. potentiometer	2112-101	-	4 A cos φ 0,9 3 A cos φ 0,5					X				
Modular DIN-rail dimmer Multichannel												
Universal dimmer actuator ABB i-bus® KNX 4x 210 W/WA	6197/12-500	each 10 W/WA	4x 210 W/WA in parallel 1x 840 W/WA	X	X	X ¹⁾	X ²⁾					
Universal dimmer actuator ABB i-bus® KNX 4x 315 W/WA	6197/13-500	each 40 W/WA	each 315 W/WA in parallel 1x 1260 W/WA	X	X	X ¹⁾	X ²⁾					
Universal dimmer actuator ABB i-bus® KNX 6x 315 W/WA	6197/14-500	each 40 W/WA	each 315 W/WA in parallel 1x 1890 W/WA	X	X	X ¹⁾	X ²⁾					
Universal dimmer actuator ABB i-bus® KNX 4x 600 W/WA	6197/15-500	each 40 W/WA	each 600 W/WA in parallel 1x 2400 W/WA	X	X	X ¹⁾	X ²⁾					
Universal dimmer actuator ABB i-bus® KNX 1x 1260 W/WA	6197/52-500	100 W/WA	1260 W/WA	X	X	X ¹⁾	X ²⁾					
Universal dimmer actuator ABB i-bus® KNX 1x 2400 W/WA	6197/53-500	200 W/WA	2400 W/WA	X	X	X ¹⁾	X ²⁾					



- 01 Light switch insert: 2000/6 US
- 02 Rotary dimmer insert: 6591 U-101

01 Before


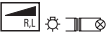
02 After



Easy made Comfort: your standard switch can usually be exchanged for the Busch-Dimmer® without a problem.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer® 1) Complete unit in SI design with leading edge control For incandescent lamps and 230 V tungsten halogen lamps. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W IEC 60669-2-1, British Standard EN 60669-2-1		
212 white	 2200 UJ-212	6514-0-0012	1/10
212 white	2110 C-212	1717-0-0065	10



1) Non-illuminable.

	Busch-Rotary switch dimmer insert 1) 2) For use in 2 gang connections 1 channel designed as dimmer. 1 channel designed as switch contact (1-gang 2-way contact element) with leading edge control For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated current 6A (changeover contact switch output). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6517 U-101-500	6517-0-0018	1/10



1) In the case of conventional transformers, take ~20% transformer loss into account.
2) Can be used to replace a 2gang 1way switch.

	Busch Memory 2gang Dimmer 1) 2) 3) For use in 2 gang connections For switching and dimming 2 independent devices. With trailing edge control. 2gang 1way For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Compatible with control covers 6545-xxx. without cover, without cover plate Outputs: 2 independent dimmer channels. Rated power: 40-315 W/VA per channel. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz IEC 60669-2-1, British Standard EN 60669-2-1		
	 6565 U-500	6565-0-0057	1/10


1) Not suitable with conventional transformers.
2) In case of electronic transformers, 5 % transformer losses.
3) Does not provide an extension input.

	Busch-Dimmer® insert 1) 2) 3) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W IEC 60669-2-1, British Standard EN 60669-2-1		
	 2250 U	6515-0-0704	1/10



1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) Also applicable for 1gang 2way installations.
3) Provided with terminal for net disconnection devices.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer® insert 1) 2) 3) 4) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 2247 U-500	6512-0-0302	1/10



1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.

	Busch-Dimmer® insert 1) 2) 3) 4) With rotary control, soft-catch and with leading edge control. For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer. Without cover plate. With adjustable minimum brightness. Rated voltage: 127 V~ Rated frequency: 60 Hz Rated power: 20 - 250 W IEC 60669-2-1, British Standard EN 60669-2-1		
	 2247 U-127	6512-0-0297	1/10

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.

	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6513 U-102-500	6513-0-0586	1/10

1) Not suitable with conventional transformers.
2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
3) In case of electronic transformers, 5 % transformer losses.
4) Provided with terminal for net disconnection devices.
5) Also applicable for 1gang 2way installations.

	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 550 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6519 U	6519-0-0011	1

1) Not suitable with conventional transformers.
2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
3) In case of electronic transformers, 5 % transformer losses.
4) Provided with terminal for net disconnection devices.
5) Also applicable for 1gang 2way installations.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Dimmer® insert 1) 2) 3) 4) 5)
 With rotary control, 2way On-Off switching and soft-catch. Leading Edge control.
 For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
 Short-circuit protected, overload-protected.
 With adjustable minimum brightness.
 Without cover plate.
 Without claw.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 200 - 1000 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1



6520 U-500 6520-0-0227 1/10

- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Provided with terminal for net disconnection devices.
- 4) Also applicable for 1gang 2way installations.
- 5) Should be mounted in a separate wallbox.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Memory touch-dimmer 1)
 With light-level memory and leading edge control.
 For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
 Compatible with control covers 6543-xxx-10x.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Parallel operation of several transformers and/or incandescents lamps possible.
 Without control cover.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 20 - 500 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1

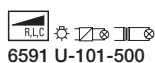


6560 U-101 6560-0-1205 1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.



Busch-Universal rotary dimmer insert 1) 2) 3) 4) 5)
 with soft-catch with intelligence for universal operation
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 Short-circuit protected, overload-protected.
 Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
 Operation via rotary-type remote control 6592 U possible.
 Without cover plate.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 60 - 420 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1



6591 U-101-500 6513-0-0588 1/10

- 1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In the case of conventional transformers, take ~20% transformer loss into account.
- 4) Control covers 2115-xxx and 6540-xxx.
- 5) Cannot be combined with a 2way switch.



Busch-Universal master dimmer Insert 1) 2) 3) Touch Dimmer
 with light-level memory and intelligence for universal operation
 Selectable Soft-ON/OFF function and memory function.
 Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 Short-circuit protected, overload-protected.
 With touch control.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Without control cover.
 For control cover with control lamp 6543-xxx-10x.
 For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
 For Comfort timer control element 6455.
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
 Combinable with Busch Watchdog extension insert 6805 U.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 60 - 420 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1



6593 U-500 6590-0-0171 1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.



Busch-Universal rotary dimmer extension, Insert 1) 2)
 for connection to 6591 U-101,
 To be used with Busch-Universal master dimmer 6583.
 with soft-catch
 A maximum of 5 multi-way extensions can be connected to a 6591U-101,
 Without cover plate.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz



6592 U-500 6513-0-0590 1


- 1) Control covers 2115-xxx and 6540-xxx.
- 2) Required for illuminating the N-connection control element.

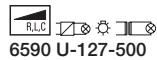


Busch-Universal master dimmer capacity booster
 The control is effected by a Busch-Universal master dimmer 6593 U or Busch-Universal rotary dimmer 6591 U-101
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx.
 Without cover plate.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 200 - 315 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1





6594 U-500 6590-0-0172 1

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Universal dimmer Insert ^{1) 2) 3)} With light-level memory, adjustable minimum brightness and with intelligence for universal operation. For incandescent lamps, 127 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Electronic transformers. Compatible with control covers 6543-xxx-10x/6066-xx-10x/6810-xxx-10x/6800-xxx-10x(M)/6455/6813-10x. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Without control cover. Rated voltage: 127 V~, +10 % / -10 % Rated frequency: 60 Hz Rated power: 100 - 210 W/VA		




6590 U-127-500 6590-0-0156 1/10


- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) Not for use with power boosters.

	Busch-Electronic potentiometer ^{1) 2) 3)} With rotary control. For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	2112 U-101-500	6599-0-2873	1/10


- 1) Non-illuminable.
- 2) Use cover plates 2115 J-.../2115-.../6540-...
- 3) Making-current limiters have to be provided in case of too high making currents.

	Busch-Memory touch-type controller ^{1) 2)} 3 wire connection (neutral conductor required). For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For LED control via control gears Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6550 U-101-500	6550-0-0042	1

- 1) Non-illuminable.
- 2) with integrated making-current limiter

Product	Article-No.	Order-No.	Pack/Qty
	Cover ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U. Busch-Duro 2000® SI		
212 white	2115 J-212	6599-0-1326	10
214 alpine white	Reflex SI 2115 J-214	6599-0-0229	10


1) Replacement neon lamp, Art. No. 3855.

	Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U. Busch-Duro 2000® SI		
212 white	2115-212	6599-0-1334	10/100
214 alpine white	Reflex SI 2115-214	6599-0-0237	10/100

1) Replacement neon lamp, Art. No. 3855.



	Cover plate With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U. <i>alpha ¹⁾</i>		
20 platinum ²⁾	6540-20	6599-0-1458	10
21 bronze ²⁾	6540-21	6599-0-1490	10
22G ivory	6540-22G	6599-0-2803	10
24 studio white matt	6540-24	6599-0-1540	10
24G studio white	6540-24G	6599-0-2324	10
260 palladium ²⁾	6540-260	6599-0-2852	10/100
266 titanium ²⁾	6540-266	6599-0-2855	10
	<i>impuls ³⁾</i>		
72 ivory	6540-72	6599-0-2916	1
74 alpine white	6540-74	6599-0-2084	1
79 champagne metallic ⁴⁾	6540-79	6599-0-2159	1
774 studio white matt ⁴⁾	6540-774	6599-0-2970	1
775 black matt ⁴⁾	6540-775	6599-0-2974	1
777 blackberry ⁴⁾	6540-777	6599-0-2932	1
783 aluminium silver ⁴⁾	6540-783	6599-0-2917	1

1) Replacement neon lamp, Art. No. 3855.
2) Real metal surface.
3) Replacement neon lamp 3856.
4) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary knob, with indication lamp Elevated knob. For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
			future® linear ¹⁾
81 anthracite	6540-81-102	6599-0-2950	10
82 savanna/ ivory white	6540-82-102	6599-0-2951	10/100
83 aluminium silver ²⁾	6540-83-102	6599-0-2952	10/100
84 davos/studio white	6540-84-102	6599-0-2953	10/100
884 studio white matt ³⁾	6540-884-102	6599-0-2961	10
885 black matt ²⁾	6540-885-102	6599-0-2966	10/100
			solo® ¹⁾
82 savanna/ ivory white	6540-82-102	6599-0-2951	10/100
84 davos/studio white	6540-84-102	6599-0-2953	10/100
87 toscana/purple ¹⁾	6540-87-102	6599-0-2956	10
803 meteor/ grey metallic ²⁾	6540-803-102	6599-0-2980	10
815 sahara/yellow	6540-815-102	6599-0-2981	10
			Busch-axcent® ¹⁾
84 davos/studio white	6540-84-102	6599-0-2953	10/100
			carat® ¹⁾
81 anthracite	6540-81-102	6599-0-2950	10
82 savanna/ ivory white	6540-82-102	6599-0-2951	10/100
84 davos/studio white	6540-84-102	6599-0-2953	10/100
			pure stainless steel ³⁾
866 stainless steel	6540-866-102	6599-0-2959	10/100

- 1) Replacement neon lamp, Art. No. 3855.
 2) Surface painted.
 3) Replacement neon lamp 3856.
 *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
			Busch-Duro 2000® SI
212 white	2114-212	6599-0-1193	10
			Reflex SI
214 alpine white	2114-214	6599-0-0195	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
			alpha
20 platinum ¹⁾ ²⁾	6541-20	6599-0-1466	10
21 bronze ¹⁾ ²⁾	6541-21	6599-0-1524	10
22G ivory	6541-22G	6599-0-2795	10
24 studio white matt	6541-24	6599-0-1557	10
24G studio white	6541-24G	6599-0-2332	10
260 palladium ¹⁾ ²⁾	6541-260	6599-0-2853	10
266 titanium ¹⁾ ²⁾	6541-266	6599-0-2856	10
			impuls
			
72 ivory	6541-72	6599-0-2918	10
74 alpine white	6541-74	6599-0-2076	10
79 champagne metallic ³⁾	6541-79	6599-0-2142	10
774 studio white matt ³⁾	6541-774	6599-0-2971	10
775 black matt ³⁾	6541-775	6599-0-2975	10
777 blackberry ³⁾	6541-777	6599-0-2933	10
783 aluminium silver ³⁾	6541-783	6599-0-2919	10


- 1) Not suitable for room thermostat 6134/10.
 2) Real metal surface.
 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01.		
			future® linear
81 anthracite	6541-81	6599-0-2882	10
82 savanna/ ivory white	6541-82	6599-0-2832	10
83 aluminium silver ¹⁾	6541-83	6599-0-2885	10
84 davos/studio white	6541-84	6599-0-2835	10
884 studio white matt ¹⁾	6541-884	6599-0-2962	10
885 black matt ¹⁾	6541-885	6599-0-2967	10
			solo®
82 savanna/ ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
87 toscana/purple ¹⁾	6541-87	6599-0-2844	10
803 meteor/ grey metallic ¹⁾	6541-803	6599-0-2940	10
815 sahara/yellow	6541-815	6599-0-2936	10
			Busch-axcent®
84 davos/studio white	6541-84	6599-0-2835	10
			carat®
81 anthracite	6541-81	6599-0-2882	10
82 savanna/ ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
			pure stainless steel ¹⁾
866 stainless steel	6541-866	6599-0-2924	10

- 1) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U		
	Busch-Duro 2000® SI		
212 white	6543-212-102	6599-0-2815	1/10
214 alpine white	Reflex SI		
	6543-214-102	6599-0-2816	1/10

- 1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.


	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
	<i>alpha</i>		
20 platinum 4)	6543-20-102	6599-0-2820	1/10
21 bronze 4)	6543-21-102	6599-0-2821	1/10
22G ivory	6543-22G-102	6599-0-2822	1/10
24 studio white matt	6543-24-102	6599-0-2823	1/10
24G studio white	6543-24G-102	6599-0-2824	1/10
260 palladium 4)	6543-260-102	6599-0-2869	1/10
266 titanium 4)	6543-266-102	6599-0-2870	1/10



impuls

72 ivory	6543-72-101	6599-0-2920	1
74 alpine white	6543-74-101	6599-0-2597	1
79 champagne metallic 5)	6543-79-101	6599-0-2621	1
774 studio white matt 5)	6543-774-101	6599-0-2972	1
775 black matt 5)	6543-775-101	6599-0-2976	1
777 blackberry 5)	6543-777-101	6599-0-2934	1
783 aluminium silver 5)	6543-783-101	6599-0-2921	1

- 1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Real metal surface.
5) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
	future® linear		
81 anthracite	6543-81-101	6599-0-2881	1/10
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
83 aluminium silver 4)	6543-83-101	6599-0-2887	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
884 studio white matt 4)	6543-884-101	6599-0-2963	1/10
885 black matt 4)	6543-885-101	6599-0-2968	1/10

solo®			
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
87 toscana/purple 1)	6543-87-101	6599-0-2843	1/10
803 meteor/grey metallic 4)	6543-803-101	6599-0-2942	1/10
815 sahara/yellow	6543-815-101	6599-0-2938	1/10

Busch-axcent®			
84 davos/studio white	6543-84-101	6599-0-2834	1/10
carat®			
81 anthracite	6543-81-101	6599-0-2881	1/10
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10

pure stainless steel			
866 stainless steel	6543-866-101	6599-0-2926	1/10

- 1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Surface painted.
*) Phase-out type

	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
	Busch-Duro 2000® SI		
212 white	6545-212	6599-0-2888	1/10
214 alpine white	Reflex SI		
	6545-214	6599-0-2889	1/10

- 1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack/Qty
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**Control element 1)
With neon lamp.**
Combinable with Busch Memory 2gang Dimmer 6565 U.
alpha

20 platinum ²⁾	6545-20	6599-0-2890	1/10
21 bronze ²⁾	6545-21	6599-0-2891	1/10
22G ivory	6545-22G	6599-0-2892	1/10
24 studio white matt	6545-24	6599-0-2893	1/10
24G studio white	6545-24G	6599-0-2894	1/10
260 palladium ²⁾	6545-260	6599-0-2899	1/10
266 titanium ²⁾	6545-266	6599-0-2900	1/10



impuls

72 ivory	6545-72	6599-0-2922	1
74 alpine white	6545-74	6599-0-2903	1
79 champagne metallic ³⁾	6545-79	6599-0-2905	1
774 studio white matt ³⁾	6545-774	6599-0-2973	1
775 black matt ³⁾	6545-775	6599-0-2977	1
777 blackberry ³⁾	6545-777	6599-0-2935	1
783 aluminium silver ³⁾	6545-783	6599-0-2923	1

- 1) Replacement neon lamp 3857.
2) Real metal surface.
3) Surface painted.



**Control element 1)
With neon lamp.**
Combinable with Busch Memory 2gang Dimmer 6565 U.
future® linear

81 anthracite	6545-81	6599-0-2906	1/10
82 savanna/ivory white	6545-82	6599-0-2907	1/10
83 aluminium silver ²⁾	6545-83	6599-0-2914	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
884 studio white matt ²⁾	6545-884	6599-0-2964	1/10
885 black matt ²⁾	6545-885	6599-0-2969	1/10

solo®

82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
87 toscana/purple ¹⁾	6545-87	6599-0-2911	1/10
803 meteor/grey metallic ²⁾	6545-803	6599-0-2943	1/10
815 sahara/yellow	6545-815	6599-0-2939	1/10

Busch-axcent®

84 davos/studio white	6545-84	6599-0-2908	1/10
<i>carat®</i>			
81 anthracite	6545-81	6599-0-2906	1/10
82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10

pure stainless steel

866 stainless steel	6545-866	6599-0-2927	1/10
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- 1) Replacement neon lamp 3857.
2) Surface painted.
3) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**IR control element 1)
With marking, illuminated**
For Busch-Universal master dimmer insert 6593 U.
For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.
For Busch Universal 2gang 1way insert 6402 U.
for Busch-Universal touch-type controller 6550 U-101
Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

alpha

20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white matt	6066-24-102-500	6020-0-1371	1
24G studio white	6066-24G-102-500	6020-0-1372	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10



impuls

72 ivory	6066-72-101	6020-0-1385	1
74 alpine white	6066-74-101-500	6020-0-1190	1
79 champagne metallic ²⁾	6066-79-101	6020-0-0606	1
774 studio white matt ²⁾	6066-774-101	6020-0-1405	1
775 black matt ²⁾	6066-775-101	6020-0-1401	1
777 blackberry ²⁾	6066-777-101	6020-0-1391	1
783 aluminium silver ²⁾	6066-783-101	6020-0-1386	1

- 1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.



**IR control element 1)
With marking, illuminated**
For Busch-Universal master dimmer insert 6593 U.
For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.
For Busch Universal 2gang 1way insert 6402 U.
for Busch-Universal touch-type controller 6550 U-101
Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

future® linear

81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
83 aluminium silver ²⁾	6066-83	6020-0-1383	1/10
84 davos/studio white	6066-84	6020-0-1334	1/10
884 studio white matt ²⁾	6066-884	6020-0-1397	1/10
885 black matt ²⁾	6066-885	6020-0-1399	1/10

solo®

82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
87 toscana/purple ¹⁾	6066-87	6020-0-1340	1/10
803 meteor/grey metallic ²⁾	6066-803	6020-0-1395	1/10
815 sahara/yellow	6066-815	6020-0-1393	1/10

Busch-axcent®

84 davos/studio white	6066-84	6020-0-1334	1/10
<i>carat®</i>			
81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10


pure stainless steel

866 stainless steel	6066-866	6020-0-1389	1/10
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- 1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
3) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Comfort timer control element ¹⁾ For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. In combination with Busch-Universal-dimmer insert 6593 U or Busch-Memory touch-type controller 6550 U-101 brightness can be set individually for each switching time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C</p>	6455-500	6410-0-0373	1/10


1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Dimmer[®] ¹⁾ ²⁾ ³⁾ With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W Module width: 3 MW IEC 60669-2-1, British Standard EN 60669-2-1</p>	2250 KB	6531-0-0032	1/10


1) Also applicable for 1gang 2way installations.
 2) Provided with terminal for net disconnection devices.
 3) 1 MW ± 18 mm.

 <p>Busch-Dimmer[®] ¹⁾ ²⁾ ³⁾ ⁴⁾ With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA Module width: 3 MW IEC 60669-2-1, British Standard EN 60669-2-1</p>	2247-500	6512-0-0248	1
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1) In the case of conventional transformers, take ~20% transformer loss into account.
 2) Provided with terminal for net disconnection devices.
 3) Also applicable for 1gang 2way installations.
 4) 1 MW ± 18 mm.

 <p>Busch-Dimmer[®] ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ With rotary control and soft-catch, with trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/VA Module width: 3 MW IEC 60669-2-1, British Standard EN 60669-2-1</p>	6513-102-500	6513-0-0543	1
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1) Also applicable for 1gang 2way installations.
 2) In case of electronic transformers, 5 % transformer losses.
 3) Provided with terminal for net disconnection devices.
 4) Not suitable with conventional transformers.
 5) 1 MW ± 18 mm.

 <p>Busch-Electronic potentiometer ¹⁾ ²⁾ For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 700 W/VA Module width: 3 MW</p>	2112-101-500	6599-0-2563	1
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1) Making-current limiters have to be provided in case of too high making currents.
 2) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Memory touch-type controller ^{1) 2) 3)}
 For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears
 Operation only possible via conventional push button (2020 US/2021/6 UK).
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 700 W
 Module width: 2 MW

	6550	6550-0-0016	1
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- 1) Illumination of the push switch is only possible with N-conductor terminal.
- 2) Suitable for ECG by Philips, Siemens and similar 0/1-10V control input.
- 3) 1 MW \pm 18 mm.



Busch-Universal master dimmer ^{1) 2) 3) 4) 5)}
 Universal Central Dimmer modular.
 For switching and dimming of incandescent lamps, 230 V halogen incandescent lamps and low-voltage halogen lamps with conventional or electronic transformers.
 With light-level memory, adjustable minimum brightness and with intelligence for universal operation.
 Capacity expansion via output-side parallel-connected load line (with RJ 12 plug) with a power module 6584 (max. 6 pcs = 3000 W/VA total wattage).
 Compatible with control module 6597 and ABB Powernet KNX in combination with control module 6997/60.
 Operation using a plug-in push switch/rotary and timer control cover 6543/10, ..11, --12 and/or a conventional push switch (2020 US or 2021/6 UK or Rotary Dimmer insert for combination with flush-mounted inserts 6592 U.
 Low-noise, short-circuit protected, overload-protected.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 60 - 500 W/VA
 Temperature range (Device): 0 °C to 45 °C
 Module width: 2 MW

	6583-500	6590-0-0178	1/10
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- 1) Illumination of the push switch is only possible with N-conductor terminal.
- 2) Not suitable for generator networks.
- 3) 1 MW \pm 18 mm.
- 4) In case of electronic transformers, 5 % transformer losses.
- 5) In the case of conventional transformers, take ~20% transformer loss into account.



Busch-Universal master dimmer capacity booster ^{1) 2)}
 To be used with Busch-Universal master dimmer 6583.
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 A combination of up to 6 power electronic modules (3,000 W/VA) possible.
 With ready-made line with jack (RJ12) for connecting to central dimmer 6583.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 200 - 420 W/VA
 Module width: 2 MW

	6584-500	6590-0-0179	1/10
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- 1) For greater loads, it is mandatory to provide for sufficient ventilation.
- 2) 1 MW \pm 18 mm.



Push button cover
 To be used with Busch-Universal master dimmer 6583.
 Can be combined by replacing the cover of the master dimmer.

6543/10-500	6590-0-0181	1/10
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Product	Article-No.	Order-No.	Pack/Qty
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Rotary knob cover
 To be used with Busch-Universal master dimmer 6583.
 Can be combined by replacing the cover of the master dimmer.

6543/11-500	6590-0-0183	1/10
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Busch-Timer[®] control cover
 For time-controlled switching of the Busch-Universal master dimmer 6583.
 Annual Timer with max. 48 timer programmes.
 Optional special programmes.
 Can be combined by replacing the cover of the master dimmer.

6543/12-500	6590-0-0185	1/10
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Busch-Memory touch-dimmer ^{1) 2)}
 With light-level memory and leading edge control.
 For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
 Parallel operation of several transformers and/or incandescent lamps possible.
 Operation only possible via conventional push button (2020 US/2021/6 UK).
 Parallel operation of several transformers and/or incandescent lamps possible.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 20 - 500 W/VA
 Module width: 3 MW

	6560-101	6560-0-1206	1
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- 1) Illumination of the push switch is only possible with N-conductor terminal.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) 1 MW \pm 18 mm.



Control unit for universal dimmer, MDRC ¹⁾
 To be used with Busch-Universal master dimmer 6583.
 For controlling up to 2 x 9 groups.
 On-site operation via control input 0-10 V DC/0-20mA or conventional push switches (2020 US, 2021/6 UK).
 Special adjustable functions, e.g. cleaning light, vacation, group control, etc.
 Up to 6 devices cascable.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Inputs: 2
 Control/Signal outputs: 2, electronic output, with pulse-width modulated
 max. length: 2 m
 Protection class (Device): IP 20
 Module width: 2 MW



6597-500	6590-0-0155	1/10
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- 1) 1 MW \pm 18 mm.



Brightness sensor
 For control unit 6597.

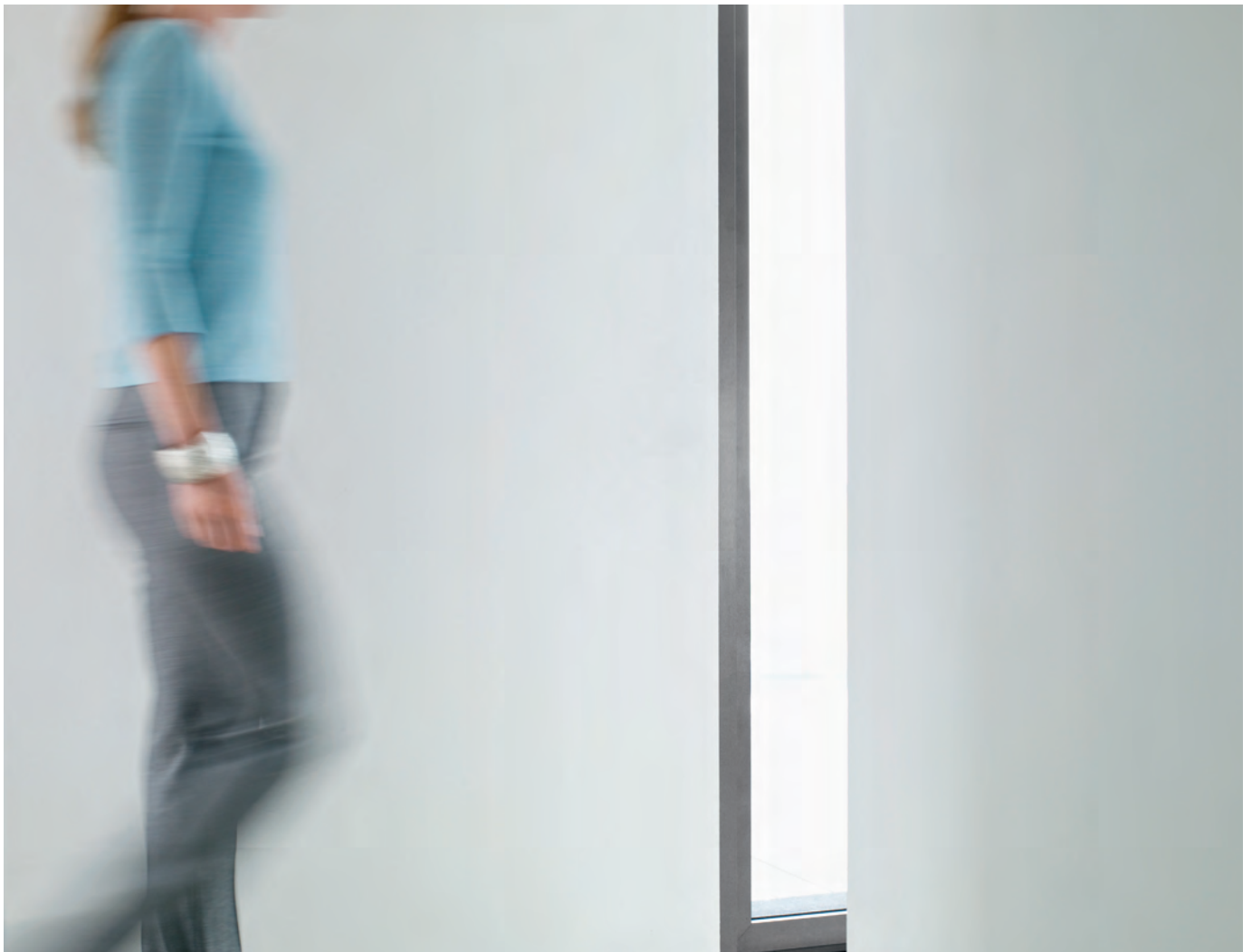
6598	6590-0-0168	10
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Product	Article-No.	Order-No.	Pack/Qty
	IR dimmer 1-10 V For luminaries. For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 500 W Temperature range (Device): 0 °C to 60 °C		
	 6045-500	6020-0-1265	

Product	Article-No.	Order-No.	Pack/Qty
	Label holder For Busch-Jaeger MDRC components. For clipping onto the respective grooves on the device 3099-0-0306	3099-0-0306	
	Labelling sheet to match label-holder 3099-0-0306. Sheet of 250 labels. 3099-0-0314	3099-0-0314	1/20

Movement detector. A watchdog that never sleeps.

It welcomes visitors and deters burglars. It sees everything and can turn night into day, if needed. The new generation of Busch-Watchdog stands for state-of-the-art, comprehensive detection and many useful service functions.



01



Movement detector

- 01 Busch-Watchdog 220 WaveLINE.
Colour: white
- 02 Busch-Watchdog Presence tech
BasicLINE Corridor
- 03 Busch-Watchdog 180 flush-mounted comfort
sensor. Switch series solo®.
Colour: davos studio white.
- 04 Busch-Comfort switch.
Switch series solo®. Colour: davos studio white.



*Certified for barrier-free living.

Contents Movement detector

Busch-Watchdog, surface-mounted*	p. 328
Corner adapter	p. 330
IR remote control	p. 330
Busch-Watchdog presence tech	p. 332
Busch-Watchdog, flush-mounted*	p. 334
Twilight switch	p. 337
Busch-Comfort switch	p. 338



02



03



04



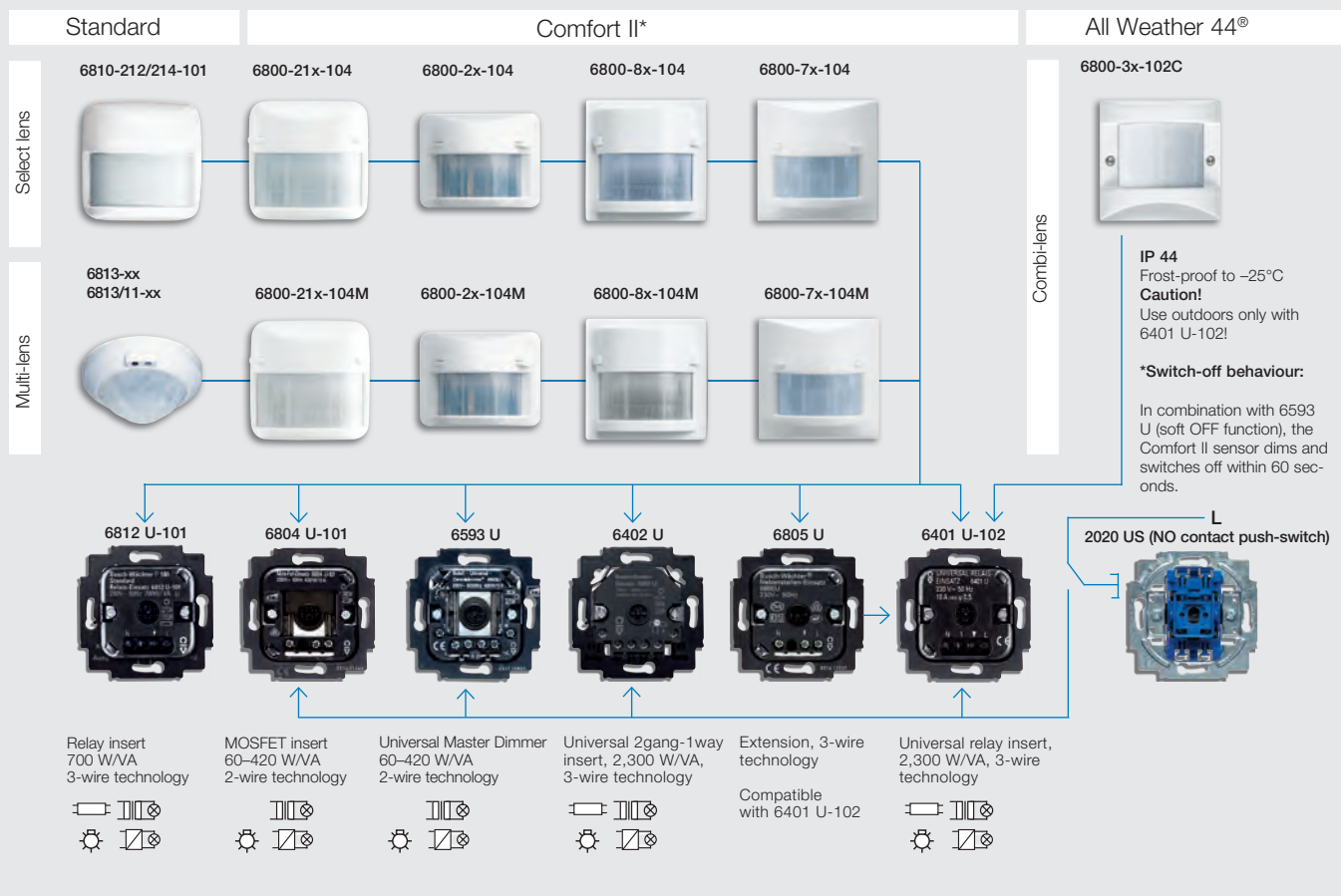
This switch can sense your needs.

A flush-mounted movement detector is, for all intents and purposes, just a light switch – one you don't have to

press. It activates when it gets dark and it senses body heat. It will switch on automatically to show you the

way – perfect! When you have no free hands.

Selection guide: the Busch-Watchdog flush-mounted range



Slide switch

Always on, always off, or automatic mode can be individually selected using the slide switch. Optionally, the slide switch can be fixed to automatic mode using a screw on the back side, e.g. in public buildings.

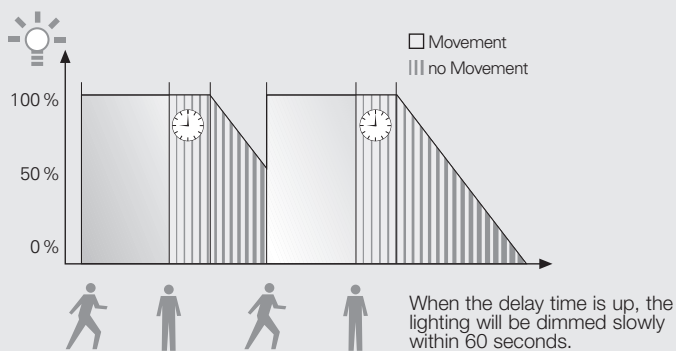
Simply Safe and comfortable – provides you an extra hand

Hold on to what's precious: put your kids to bed without a care – Busch-Watchdog lights your way.

The convenient combination: The movement detector and dimmer of ABB/Busch-Jaeger do not suddenly leave you in the dark.

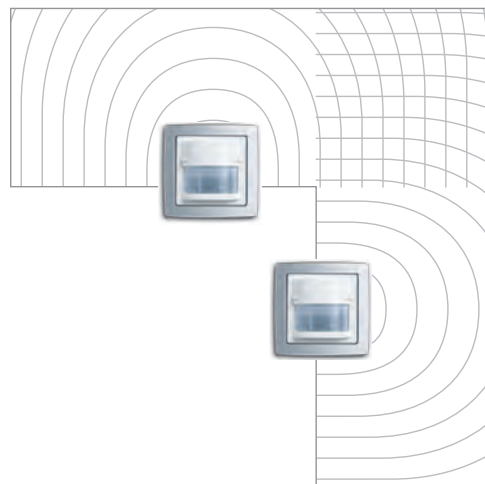
Flush-mounted insert: Dimmer 6593 U

Busch-Watchdog sensor: 6800-xx-104M



Application of main and auxiliary units

If more than only one movement detector is required, additional movement detectors can be installed using extension inserts. This makes sense, for example, in the case of L-shaped corridors.



Busch-Wächter® 180 flush-mounted comfort sensor II insert: 6800-xx-104 (M)

Extension insert: 6805 U
for main unit, e.g. 6401 U-102, 6402 U,
6804 U-101, 6593 U and 6550 U-101

Busch-Comfort switch – The switch with four comfort levels.

It can be operated like a normal switch – but offers additional possibilities that have never been combined in this way before in one device. Non-contact, manual or

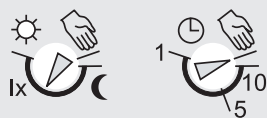
time-controlled switching – functional, versatile and aesthetic – the new comfort switch that offers unparalleled flexibility.



The new Busch-Comfort switch offers different levels of comfort and thus a variety of switching possibilities. It can even be implemented fully automatically and the light can be switched on and off again if a person is detected. It can however also leave the light on and act as a semi-automatic function, until it is switched off again manually by pressing the button. In addition, the Busch-Comfort switch can also act as a timer. In this case it reacts when a button is pressed and automatically switches the light off later at a pre-determined time, if it no longer detects any presence. In addition, the Busch-Comfort switch can be used as a completely normal switch that reacts exclusively to manual operation. Its extension unit input makes it possible to integrate

it into almost all two-way and back-to-back connections. The 2-wire insert is ideally suited for retrofitting, while the new relay insert permits the connection of universal loads. No matter what function you decide on: despite its technical possibilities the Busch-Comfort switch almost looks like a normal switch and is just as easy to use.

The integrated sensor is barely noticeable due to its flat construction, and an LED located on the lens tells everyone who enters or leaves the room that the switch must be operated manually. At the same time, the LED is used as an orientation light and ensures that the switch can be found easily, even in the dark.

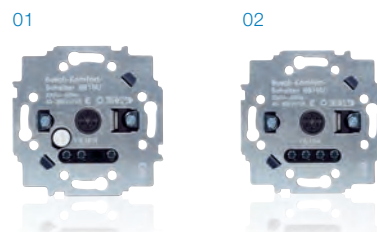


Adjustment possibilities on the back of the control element



The flat lens is available in various finishes tones and matches the colour of the rocker switch.

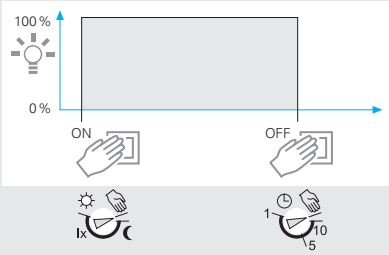
The relay switch insert (6816 U) for switching universal loads up to 2,300 W/VA is also suited for fluorescent and energy-saving lamps. The comfort switch can thus be used for all load types almost everywhere.



01 Busch-Comfort switch insert (6815 U)
2-conductor connection

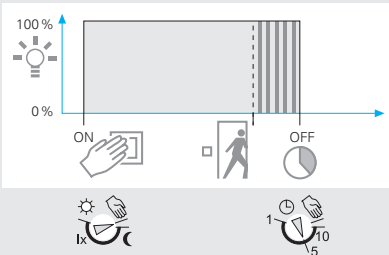
02 Busch-Comfort switch relay insert (6816 U)
3-conductor connection

Basic comfort: Switches in the normal way.



In operation mode basic-comfort the comfort switch is operated manually. This manual operation at any time is fundamentally the basis of all comfort levels. No matter what you imagine – you can always perform every switching procedure from every main or auxiliary switch. Sometimes you just want to do things differently than planned.

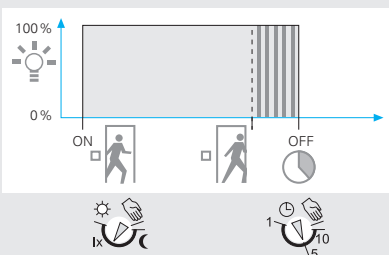
Timing comfort: Manual switching-on function but with automatic switching-off function – you can determine the length of the time interval.



Everyone has experienced it: You enter the house and the light is still on because someone has just gone through the corridor. After a few steps, you are suddenly in the dark – the set time has expired. With the Busch-Comfort switch, such unpleasant, dangerous events are a thing of the past. It detects again that someone is still in the corridor and the selected follow-up time starts again from the beginning.



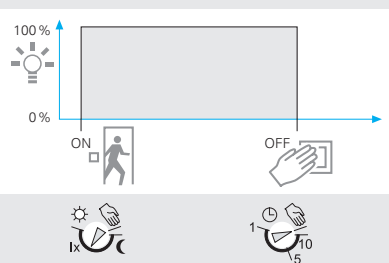
Maximum comfort: Fully automatic switching.



The light is switched on as soon as someone enters the detection range. The duration of activation can be freely selected between 1 and 10 minutes. The nice thing is: if someone enters the detection range again, this time is reset and restarts before the light goes off. Also the brightness threshold, from which the light automatically switches on, can be set and adjusted to the circumstances. This leaves you undisturbed and flexible – even when the use of a room or the light conditions change. If Busch-Comfort switch relay inserts are used, they can be switched in parallel.



Medium comfort: Automatic switching-on function but is switched off by hand – sometimes less automation is preferable.



The Busch Comfort switch turns on the light automatically and leaves it switched on for as long as you like. If you remain quiet or leave the detection range of the device for a brief period, the light remains on. You can carry on with your work without any disturbance and the light does not go out again until the button is pressed.



Detection zones of Busch-Watchdog, flush-mounted

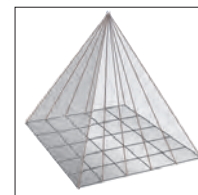
Detection levels	Detection zone	Limiting the detection zone																													
Select lens 	<table border="1"> <thead> <tr> <th>Mounting ht.</th> <th>Front</th> <th>Side</th> </tr> </thead> <tbody> <tr> <td>0,8-1,2 m</td> <td>12 m</td> <td>8 m</td> </tr> </tbody> </table>	Mounting ht.	Front	Side	0,8-1,2 m	12 m	8 m	Horizontal Mask along the side using the blind 	Vertical No narrowing possible since there is only one detection level.																						
Mounting ht.	Front	Side																													
0,8-1,2 m	12 m	8 m																													
Multi-lens 	<table border="1"> <thead> <tr> <th>Mounting ht.</th> <th>Front</th> <th>Side</th> </tr> </thead> <tbody> <tr> <td>1,2 m</td> <td>10 m</td> <td>2,5 m</td> </tr> <tr> <td>2,0 m</td> <td>12 m</td> <td>4 m</td> </tr> <tr> <td>2,5 m</td> <td>15 m</td> <td>5 m</td> </tr> </tbody> </table>	Mounting ht.	Front	Side	1,2 m	10 m	2,5 m	2,0 m	12 m	4 m	2,5 m	15 m	5 m	Mask along the side using the blind 	By masking off the wide range, detection can be limited to the close range. <table border="1"> <thead> <tr> <th>Mounting ht.</th> <th>Remote</th> <th>Close</th> </tr> </thead> <tbody> <tr> <td>1,2 m</td> <td>10 m</td> <td>2 m</td> </tr> <tr> <td>2,0 m</td> <td>12 m</td> <td>3 m</td> </tr> <tr> <td>2,5 m</td> <td>15 m</td> <td>3,5 m</td> </tr> </tbody> </table>	Mounting ht.	Remote	Close	1,2 m	10 m	2 m	2,0 m	12 m	3 m	2,5 m	15 m	3,5 m				
Mounting ht.	Front	Side																													
1,2 m	10 m	2,5 m																													
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Mounting ht.	Remote	Close																													
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Combi lens 	<table border="1"> <thead> <tr> <th>Mounting ht.</th> <th>Front</th> <th>Side</th> </tr> </thead> <tbody> <tr> <td>1,2 m</td> <td>9 m</td> <td>4 m</td> </tr> <tr> <td>2,0 m</td> <td>12 m</td> <td>8 m</td> </tr> <tr> <td>2,5 m</td> <td>15 m</td> <td>10 m</td> </tr> </tbody> </table>	Mounting ht.	Front	Side	1,2 m	9 m	4 m	2,0 m	12 m	8 m	2,5 m	15 m	10 m	Mask along the side using the blind 	zaklejąc obszar daleki lub średni można ograniczyć wykrywanie do obszaru położonego w bliskiej odległości <table border="1"> <thead> <tr> <th>Mounting ht.</th> <th>Remote</th> <th>Medium</th> <th>Close</th> </tr> </thead> <tbody> <tr> <td>1,2 m</td> <td>9 m</td> <td>3 m</td> <td>1 m</td> </tr> <tr> <td>2,0 m</td> <td>12 m</td> <td>8 m</td> <td>3 m</td> </tr> <tr> <td>2,5 m</td> <td>15 m</td> <td>11 m</td> <td>3,5 m</td> </tr> </tbody> </table>	Mounting ht.	Remote	Medium	Close	1,2 m	9 m	3 m	1 m	2,0 m	12 m	8 m	3 m	2,5 m	15 m	11 m	3,5 m
Mounting ht.	Front	Side																													
1,2 m	9 m	4 m																													
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2,5 m	15 m	10 m																													
Mounting ht.	Remote	Medium	Close																												
1,2 m	9 m	3 m	1 m																												
2,0 m	12 m	8 m	3 m																												
2,5 m	15 m	11 m	3,5 m																												

Application example: DualLINE presence detector

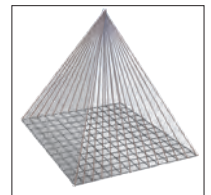


- 01 Busch-Watchdog presence tech DualLINE insert: 6813/11-xxx and insert 6402 U
- 02 Push-button
- 03 1 sensor of other manufacturers
- 04 4 sensors and mirror/lens system of Busch-Watchdog presence tech. The detection system consisting of sensors and mirrors is far superior to common movement sensors. Even the smallest movement is detected.

03



04



Today, presence detectors are a vital part of all publicly and commercially used buildings and result in great savings. The new Busch-Watchdog presence dualLINE. It doesn't just monitor, it also offers many useful additional functions.

- » Control two independent lighting rows by only one presence detector dependent on daylight.
- » Either fully automatic or semiautomatic mode: activation and deactivation is controlled only by the presence detector or activation is controlled by a push-switch, while deactivation takes place automatically.

- » In fully automatic operation, the presence detector can be switched to continuous OFF using the push-switch; activation using the push-switch is possible at any time.
- » Manual continuous lighting is possible via push-switch: the automatic return to automatic mode takes place when no more movement is detected.

Overview of Busch-Watchdog, surface-mounted



Busch-Watchdog 220 AlarmLINE
6849 AGM-204



Busch-Watchdog 220 ProfessionalLINE
6845/11 AGM-204



Busch-Watchdog 280 ProfessionalLINE
6846 AGM-204



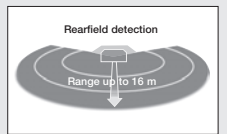
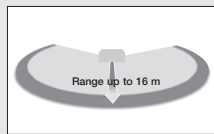
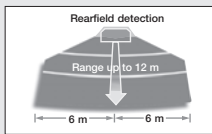
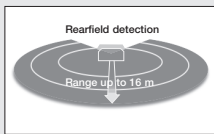
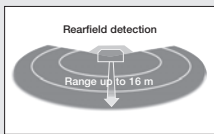
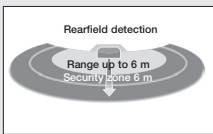
Busch-Watchdog 90 ProfessionalLINE
6853 AGM-204



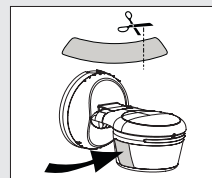
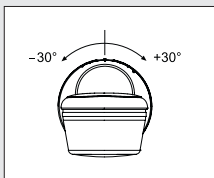
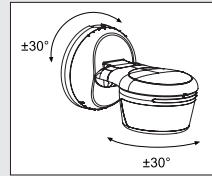
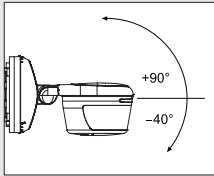
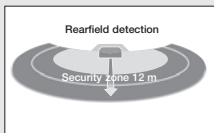
Busch-Watchdog 220 SelectLINE
6845 AGS-204



Busch-Watchdog 220 WaveLINE
6745 AGM-204

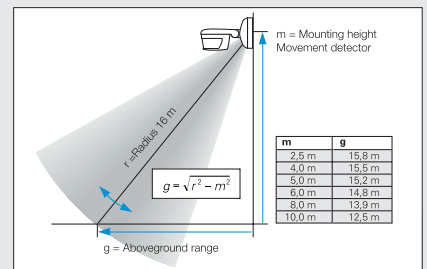


Busch-Watchdog BasicLINE
6844 AGM-204-500



Setting the transmission range

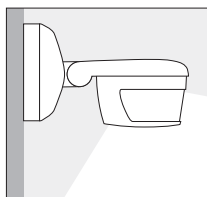
- » Regulation of the range due to turning, switching, or partially covering
- » The optimum mounting height is 2.50 m.



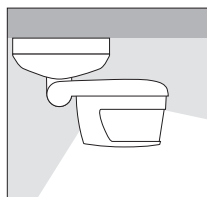
Mounting possibilities

- 01 Wall mounting
- 02 Ceiling mounting
- 03 Corner mounting (using the corner adapter)
- 04 Corner adapter for Busch-Watchdog ProfessionalLINE insert:: 6887-xx

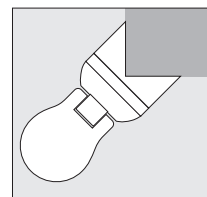
01



02



03



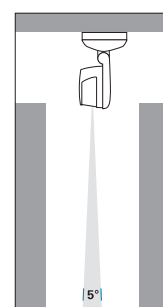
04
















Busch-Watchdog 220 SelectLINE

- » Particularly thin, discoidal detection zone
- » Horizontally aligned detection with a flat, wide-area cover, e.g. suitable for warehouse passageways in large industrial premises
- » In case of an attachment height of 1.5 metres, for example – horizontally

aligned – a one-metre-high area in which no detection takes place arises. Animals are thus not detected, while people always are.



Modular design of electronic inserts and control elements

		Switching					Dimming				Blind	
Flush-mounted insert		Universal relay insert 6401 U-102	Universal 2gang 1way insert 6402 U	Relay insert 6812 U-101	MOSFET insert 6804 U-101	Extension insert 6805 U	Universal master dimmer insert 6593 U	Memory touch-type controller 6550 U-101	Memory 2gang-1way dimmer, 2gang 6565 U	Memory touch dimmer 6560 U-101	Basic blind insert 6418 U	Blind control II insert 6411 U-101/6411 U/S-101
		2,300 W/VA All loads 10 AX	2,300 W/VA All loads 10 AX	700 W/VA All loads 3 A	60-240 W/VA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional or Busch-electronic transformers	Active Watchdog extension for 6401 U-102, 6402 U, 6804 U-101, 6593 U, and 6550 U-101	60-420 W/VA expandable by 6594 U up to 735 W/VA 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional or Busch-electronic transformers	ECG = 0/1-10 V, LEDs with electronic control gear, 700 W/VA, higher contact load possible with external relay, 50 mA control current	2 x 40-315 W/VA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with electronic transformer	20-500 W/VA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional transformer	690 VA, 3 A at cos φ 0.5	690 VA, 3 A at cos φ 0.5
Switch/dim. cap.		X Timer with maintained contact (for switching lights, pumps etc.)					X (Timer with adjustable brightness values)	X (timer with adjustable brightness values)				X (timer with 3-minute contact for lowering and raising blinds)
											X (timer with 3-minute contact for lowering and raising blinds)	
Surface mounting		X *) (either semi-automatic or fully automatic operation)	X *) (for controlling two independent lighting rows)	X *) (fully automatic operation only)	X *) (either semi-automatic or fully automatic operation)	X *)	X *) (constant light regulation, either semiautomatic or fully automatic operation)	X *) (constant light regulation, either semiautomatic or fully automatic operation)				
		X *)	X *) (heating, air conditioning, ventilation function, Output 2 with switch-on/switch-off delay in relation to Output 1)	X *)	X *)	X *)	X *) (constant light regulation)	X *) (constant light regulation)				
		X (only 6401 U-102 for outdoor use, frost-proof up to -25°C)	X (Output 2 with switch-on/switch-off delay in relation to Output 1)						X			
		X	X (Output 2 with switch-on/switch-off delay in relation to Output 1)	X	X	X	X	X (Soft OFF mode: dim down/switch off within the final minute/switch-off warning)	X			
		X	X (Output 2 with switch-on/switch-off delay in relation to Output 1)	X	X	X	X	X	X			
		X *) (latching relay)	X *) (latching relay, 2 NO contacts, separate slave contact for light and fan control)									
Control element			X *) (electronic serial switch, remote-controllable, 2 NO contacts)				X	X				X
			X (electronic 2gang switch, 2 NO contacts)							X	X	
									X			
		X) (latching relay)	X (latching relay, 2 NO contacts, separate slave contact for light and fan control)					X	X		X	
		Switching					Dimming				Blind	

Busch-Watchdog 220 WaveLINE

Due to the distribution of the sensor and actuator functions across two devices, this Busch-Watchdog opens up completely new application possibilities. The sensor can be placed fully freely wherever it optimally monitors the entire detection range. It works particularly energy-saving so that the high-power batteries used last up to 10 years. If it detects a movement, it then transfers the switch-on signal to the built-in receiver, which can even be installed in a deep flush-mounted socket outlet underneath a push-switch near the lamp. In addition, it is possible to assign several sensors to a single actuator and thus reliably monitor even angled areas. The mounting of the WaveLINE

Watchdog could not be easier. Wiring is not required due to battery operation. With only one fastening screw, the wall connection socket is quickly attached to the wall. In the process, a rubber absorber provides perfect adjustment in case of an uneven foundation. Adapters for mounting to house corners or downpipes are also available. The sensor itself is then connected to the wall connection socket via a bayonet lock and can be turned by 30°, for example, for the equalisation of slopes. A battery test can be performed directly on the device and the sending of a low-battery message to a detector is also possible.







Even without the supply voltage, movement can be reliably detected. The battery-operated watchdog sensors can be mounted onto any terrain.

- 01 Busch-Watchdog 220 WaveLINE insert:: 6745 AGM-204
- 02 Built-in receiver WaveLINE insert:: 6701
- 03 WaveLINE LED display insert:: 6730-xx na 6404 U

» It is possible to display the detection of a movement using an LED on the Busch-Watchdog.



These presence detectors are complete devices with integrated relay.

	Detection range (ø at 2.5 m installation height)	Connection for push-button	Semi-automatic or automatic	IP 54 (only with surface-mounted housing 6888)	Remote control 6843
 BasicLINE mini 6811 EB	6 m				
 BasicLINE 6814 U	7 m	X	X		
 Corridor 6818 U	24 m	X		X	X
 Busch-Watchdog BasicLine 6844 AGM-204-500	12 m	X		X	

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog® Presence tech BasicLINE 1) Electronic movement detector for detecting thermal motion. Additional possibility for switch-on via normally open push-button switch. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps Rated power: 1000 W Suitable for: 230 V halogen lamps Rated power: 2000 W Suitable for: Fluorescent lamps Rated power: 1000 W Detection range: frontal: 12 m, lateral: 12 m Detection angle: 240 ° Brightness limit value: 10 Lux - 200 Lux , Daytime operation Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -20 °C to 40 °C Dimensions: (L x W x D): 95 mm x 76 mm x 118 mm		
	<div style="background-color: red; color: white; padding: 2px; display: inline-block;">NEW</div> 		
204 white	6844 AGM-204-500	6800-0-2507	1

1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.

	Busch-Watchdog 220 AlarmLINE 1) incl. IR remote control Electronic movement detector for detecting thermal motion. For potential-free operation. With additional, separately evaluated detection level (safety zone). With optical alarm and second switch output for detection in the safety zone. Remote control possible via IR remote control 6841 (included in delivery). Remote configurable via IR service remote control 6842. With display for detection and operation mode. With ground and rear-field detection. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Detection sensitivity selectable in 3 steps. Surveillance density: 104 sectors with 416 switching segments. All functions controlled by microprocessor. Permanent light and presence simulation can be activated via remote control. With automatic range stabilization. With automatic interference suppression. With automatic dazzle-proofing. With brightness-independent test mode for evaluating the detection zone. Additional possibility for switch-on via normally open push-button switch. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 10 AX, cos 0.6 Rated power: 2300 W/VA Control/Signal outputs: 1, Normally open contact, potential free Rated power: 0.12 - 2300 W/VA Detection range: frontal: 16 m, lateral: 16 m Detection range 2: frontal: 6 m, lateral: 6 m Detection angle: 220 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm		
201 brown	6849 AGM-201	6800-0-2311	1
204 white	6849 AGM-204-500	6800-0-2314	1
208 silver metallic	6849 AGM-208	6800-0-2313	1
35 anthracite	6849 AGM-35	6800-0-2312	1



1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.


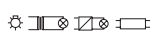
Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 220 WaveLINE 1) 2) 3) Wireless movement detector for detecting thermal motion. With display for detection and status indication. With ground and rear-field detection. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Detection sensitivity selectable in 3 steps. Surveillance density: 84 sectors with 336 switching segments. All functions controlled by microprocessor. With automatic range stabilization. With automatic interference suppression. With automatic dazzle-proofing. With automatic battery monitoring. With brightness-independent test mode for evaluating the detection zone. Can be combined with WaveLINE 6701 built-in receiver. Compatible with WaveLINE KNX gateway TP-RF 6770. For standalone and group operation. Switch-off delay: 3 min. (standalone mode), adjustable at actuator (group operation). Send frequency: 868 MHz. Range in free field: approx. 100 m Power supply: 3x 1.5 V batteries, type: mignon cell batteries (IEC LR06, AA). Battery life: approx. 5 years Rated voltage: 4.5 V- Detection range: frontal: 16 m, lateral: 16 m Detection angle: 220 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm		
201 brown	6745 AGM-201	6700-0-0019	1
204 white	6745 AGM-204	6700-0-0018	1/10
208 silver metallic	6745 AGM-208	6700-0-0021	1
35 anthracite	6745 AGM-35	6700-0-0020	1

1) Battery not included in delivery.


2) Recommended battery type: lithium batteries: IEC FR06 (L91 AA 1,5V).

3) Alternative battery type: alkaline-manganese batteries: IEC LR06 (AA 1,5V).

Product	Article-No.	Order-No.	Pack/Qty
	Built-in wireless receiver 3 wire connection (neutral conductor required). For wireless switching of electrical loads. For functions: permanent ON/1gang/1way, timer and light scene control. For Busch Watchdog® WaveLINE. For WaveLINE 6721-xx universal signalling unit. Compatible with WaveLINE KNX gateway TP-RF 6770. Switch-off delay: 60 to 30 min., adjustable. Repeater function can be activated for extended range. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For universal attachment or installation. For installation in (deep) flush-mounted boxes to German Standard DIN 49073, Part 1. Controllable up to 48 transmission addresses. Send/receive frequency: 868 MHz. Range in free field: approx. 100 m Control element: Adjustable potentiometer Display elements: Status indication of output via LED. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Inputs: 1 Polling voltage: 230 V~, Sensing pulse, L-wire Outputs: 1x Normally open contact Suitable for: Resistive load Rated current: 10 A Output voltage: 230 V~ Rated power: 2300 W Suitable for: capacitive Rated current: 10 AX Output voltage: 230 V~ Rated power: 2300 VA Suitable for: inductive Rated current: 10 A, cos 0.6 Output voltage: 230 V~ Rated power: 2300 VA Protection class (Device): IP 20 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 47 mm x 48 mm x 30 mm Installation depth: 30 mm		
	white	 6701	6700-0-0022

	Busch-Watchdog 90 ProfessionalLINE 1) Electronic movement detector for detecting thermal motion. With display for detection and operation mode. With ground and rear-field detection. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Surveillance density: 50 sectors with 200 switching segments. With brightness-independent test mode for evaluating the detection zone. Additional possibility for switch-on via normally open push-button switch. Switch-off delay option: 1 / 3 or 5 min. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 16 AX, cos 0.6 Rated power: 3680 W/VA Detection range: frontal: 12 m, lateral: 6 m Detection angle: 90 ° Brightness limit value: 3 Lux / 15 lux / daytime operation Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm		
	 201 brown 6853 AGM-201 204 white 6853 AGM-204-500 208 silver metallic 6853 AGM-208 35 anthracite 6853 AGM-35-500	6800-0-2318 6800-0-2321 6800-0-2320 6800-0-2322	1 1/10 1 1

1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 220 ProfessionalLINE 1) Electronic movement detector for detecting thermal motion. Remote control possible via IR remote control 6841 (included in delivery). Remote configurable via IR service remote control 6842. With display for detection and operation mode. With ground and rear-field detection. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Detection sensitivity selectable in 3 steps. Surveillance density: 84 sectors with 336 switching segments. All functions controlled by microprocessor. Permanent light and presence simulation can be activated via remote control. With automatic range stabilization. With automatic interference suppression. With automatic dazzle-proofing. With brightness-independent test mode for evaluating the detection zone. Additional possibility for switch-on via normally open push-button switch. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 16 AX, cos 0.6 Rated power: 3680 W/VA Detection range: frontal: 16 m, lateral: 16 m Detection angle: 220 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm		
	201 brown 6845 AGM-201-500 204 white 6845 AGM-204-500 208 silver metallic 6845 AGM-208-500 35 anthracite 6845 AGM-35-500	6800-0-2301 6800-0-2300 6800-0-2303 6800-0-2302	1 1/10 1 1

incl. IR remote control



without IR remote control



201 brown 6845/11AGM-201-500 204 white 6845/11AGM-204-500 35 anthracite 6845/11 AGM-35-500 208 silver metallic 6845/11AGM-208-500	6800-0-2335 6800-0-2334 6800-0-2336 6800-0-2337	1 1/10 1 1
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1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.

Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Watchdog 220 SelectLINE 1) Electronic movement detector for detecting thermal motion. Remote control possible via IR mobile remote control 6841. Remote configurable via IR service remote control 6842. With display for detection and operation mode. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Detection sensitivity selectable in 3 steps. Surveillance density: 28 sectors with 112 switching segments. All functions controlled by microprocessor. Permanent light and presence simulation can be activated via remote control. With automatic range stabilization. With automatic interference suppression. With automatic dazzle-proofing. With brightness-independent test mode for evaluating the detection zone. Additional possibility for switch-on via normally open push-button switch. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 16 AX, cos 0.6 Rated power: 3680 W/VA Detection range: frontal: 16 m, lateral: 16 m Detection angle: 220 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 1.1 m - 1.5 m alternative: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm			
	204 white	6845 AGS-204	6800-0-2315	1/10
	35 anthracite	6845 AGS-35	6800-0-2316	1
1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.				

	Busch Watchdog 280 ProfessionalLINE 1) incl. IR remote control Electronic movement detector for detecting thermal motion. Remote control possible via IR remote control 6841 (included in delivery). Remote configurable via IR service remote control 6842. With display for detection and operation mode. With ground and rear-field detection. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Detection sensitivity selectable in 3 steps. Surveillance density: 110 sectors with 440 switching segments. All functions controlled by microprocessor. Permanent light and presence simulation can be activated via remote control. With automatic range stabilization. With automatic interference suppression. With automatic dazzle-proofing. With brightness-independent test mode for evaluating the detection zone. Additional possibility for switch-on via normally open push-button switch. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 16 AX, cos 0.6 Rated power: 3680 W/VA Detection range: frontal: 16 m, lateral: 16 m Detection angle: 280 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm			
	204 white	6846 AGM-204-500	6800-0-2307	1
	201 brown	6846 AGM-201-500	6800-0-2308	1
35 anthracite	6846 AGM-35-500	6800-0-2309	1	
1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.				

Product	Article-No.	Order-No.	Pack/Qty	
	Corner adapter For Busch Watchdog 220 Professional/SelectLINE. For detection on two sides of the house, in combination with Busch Watchdog® 280 ProfessionalLINE. Assembly is on the corner of the house. Suitable for mounting on down-pipes For flush or surface wiring. Mounting height: 2.5 m Dimensions: (L x W x D): 97 mm x 100 mm x 60 mm			
	201 brown	6887-201-500	6899-0-0293	1
	204 white	6887-204-500	6899-0-0292	1
35 anthracite	6887-35-500	6899-0-0294	1	

	IR remote control 1) For Busch Watchdog 220 Professional/SelectLINE. For Busch Watchdog 280 ProfessionalLINE. For Busch Watchdog 220 AlarmLINE. The following functions can be activated: For function: Permanent lighting ON/OFF (4 hr). Presence simulation ON/OFF. With coded transmission signal. Power supply: lithium button cell battery Type CR2025. Range: frontal 6 m Rated voltage: 3 V- Dimensions: (L x W x D): 87 mm x 40 mm x 7 mm		
	6841-500	6899-0-0296	1
1) Battery included in delivery.			

	IR Service remote control 1) For Busch Watchdog 220 Professional/SelectLINE. For Busch Watchdog 280 ProfessionalLINE. For Busch Watchdog 220 AlarmLINE. The following functions/settings can be activated depending on device type: For function: Permanent lighting ON/OFF (4 hr). Presence simulation ON/OFF. For function: Optical alarm active/inactive. For function: Switch output safety zone active/inactive. Test operation ON/OFF. Direction detection ON/OFF. Automatic switch-off (after 90 min.) ON/OFF. Daytime operation of safety zone active/inactive. Potential-free operation active/inactive. Sensitivity - / normal/ +. Reset to factory default settings. With coded transmission signal. Power supply: lithium button cell battery Type CR2025. Range: frontal 6 m Rated voltage: 3 V- Dimensions: (L x W x D): 94 mm x 53 mm x 7 mm		
	6842	6899-0-0299	1
1) Battery included in delivery.			

Product Article-No. Order-No. Pack/Qty



Busch-Watchdog® Presence tech BasicLINE mini ¹⁾ ²⁾
 For switching lighting systems that depend on brightness and movement.
 Low mounting height due to separate sensor/actuator concept.
 Detection range (installation height 3m, up to 6m in diameter).
 Continuously variable detection sensitivity.
 With brightness-independent test mode for evaluating the detection zone.
 With detection display in test mode.
 Ceiling installation using integrated spring bracket.
 Surveillance density: 19 sectors with 76 switching segments.
 Switch-off delay: approx. 1 sec - 15 min or short-time pulse adjustable.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: 230 V incandescent lamps
 Rated power: 2000 W
 Suitable for: Energy-saving bulbs
 Rated power: 7 - 400 W
 Suitable for: Fluorescent lamps
 Rated current: 4 AX, cos 0.5
 Rated power: 1000 W/VA
 Detection angle: 360 °
 Brightness limit value: 10 Lux - 1000 Lux , Daytime operation
 Mounting height: 2 m - 5 m
 Protection class (Device): IP 20
 Protection class (Sensor): IP 40
 Temperature range (Device): 0 °C to 45 °C
 Installation depth: 77 mm
 IEC 60669-2-1

NEW



alpine white **6811 EB-500** 6800-0-2517 1/30

- 1) When mounting the actuator through the drilled hole of the sensor an installation depth of ≥ 205 mm is to be taken into account.
- 2) In combination with a relay/contactors, an RC suppressor 6899 has to be used.

Product Article-No. Order-No. Pack/Qty



Busch-Watchdog® Presence tech BasicLINE ¹⁾
 For switching lighting systems that depend on brightness and movement.
 For semiautomatic and fully automatic operation.
 Additional activation/deactivation possibility through pushbutton input.
 Detection range (for installation height 2.5 m, circular, 7 m in diameter).
 Adaptation of the detection range possible using the included masking elements.
 With brightness-independent test mode for evaluating the detection zone.
 With detection display in test mode.
 Mounting possibility in combination with built-in installation boxes and device sockets.
 Ceiling installation using integrated spring bracket.
 Adjustment elements accessible on the front side.
 Low mounting height (31 mm)
 Surveillance density: 32 sectors with 128 switching segments.
 Switch-off delay: approx. 5 sec - 30 min or short-time pulse adjustable.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: 230 V incandescent lamps
 Rated power: 2000 W
 Suitable for: Energy-saving bulbs
 Rated power: 7 - 400 W
 Suitable for: Fluorescent lamps
 Rated current: 4 AX, cos 0.5
 Rated power: 1000 W/VA
 Detection angle: 360 °
 Brightness limit value: 10 Lux - 2000 Lux
 Mounting height: 2 m - 4 m
 Protection class (Device): IP 40
 Temperature range (Device): 0 °C to 45 °C
 Dimensions: (L x W x D): 111 mm x 111 mm x 59 mm
 Installation depth: 41 mm
 IEC 60669-2-1

NEW



alpine white **6814 U-500** 6800-0-2518 1/24

- 1) In combination with a relay/contactors, an RC suppressor 6899 has to be used.



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog® Presence tech BasicLINE Corridor 1) 2) For switching lighting systems that depend on brightness and movement. Additional activation/deactivation possibility through pushbutton input. Detection range (for installation height 2.5 m, circular, up to 24 m in diameter). Adaptation of the detection range possible using the included masking elements. With brightness-independent test mode for evaluating the detection zone. With detection display in test mode. With automatic motion detection. With automatic sensitivity adaptation. Mounting possibility in combination with built-in installation boxes and device sockets. Ceiling installation using included dust protection socket. Adjustment elements accessible on the front side. Surveillance density: 215 sectors with 860 switching segments. Switch-off delay: approx. 10 sec - 30 min or short-time pulse adjustable. Remote control possible via IR service manual transmitter 6843. Use outdoors possible due to combination with surface-mounted housing 6888. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps Rated power: 2000 W Suitable for: Energy-saving bulbs Rated power: 7 - 400 W Suitable for: Fluorescent lamps Rated current: 4 AX, cos 0.5 Rated power: 1000 W/VA Detection angle: 360 ° Brightness limit value: 10 Lux - 2000 Lux Mounting height: 2 m - 3 m Protection class (Device): IP 40 Temperature range (Device): -20 °C to 45 °C Dimensions: (L x W x D): 110 mm x 110 mm x 70 mm Installation depth: 48 mm IEC 60669-2-1		
alpine white	6818 U-500	6800-0-2519	1/18

NEW



1) The maximum detection range depends on the mounting site and ambient conditions.
2) In combination with a relay/contactors, an RC suppressor 6899 has to be used.

	Surface mounting box For Busch-Watchdog® Presence tech BasicLINE Corridor 6818 U. For surface mounting and increase of the protection type. Protection class (Device): IP 54 Temperature range (Device): -20 °C to 45 °C Dimensions: (L x W x D): 106 mm x 106 mm x 26 mm		
alpine white	6888	6899-0-2305	1/90

	Protective basket For ceiling presence detectors. for Busch Watchdog Presence tech (6813-101-500), For Busch-Watchdog® Presence tech Dualline 6813/11-xxx. For Busch-Watchdog® Presence tech BasicLINE 6814 U. For Busch-Watchdog® Presence tech BasicLINE Corridor 6818 U. For Busch Smoke Alarm® BasicLINE (6830-24/0x). For Busch Smoke Alarm® ProfessionalLINE (6826-84). For Busch Heat Alarm ProfessionalLINE (6827-84). Also applicable in connection with surface-mounted housings 6885-xxx and 6888. For Busch-Watchdog Presence KNX 6161/10-xxx and 6131/11-xxx. Dimensions: (L x W x D): 180 mm x 180 mm x 98 mm		
alpine white	6898	6899-0-2304	1/12

Product	Article-No.	Order-No.	Pack/Qty
	IR Service remote control 1) For Busch-Watchdog® Presence tech BasicLINE Corridor 6818 U. The following functions/settings can be implemented. Permanent light on/off (8 h). Setting of the brightness limit value. Setting of the current ambient light value as the brightness limit value. Setting of switch-off delay or short-time pulse. Saving and duplication of the saved values. Activate test mode. Reset to factory default settings. Activation/deactivation of the button lock. Power supply: lithium button cell battery Type CR2032. Range: frontal 3 m Rated voltage: 3 V- Dimensions: (L x W x D): 106 mm x 50 mm x 8 mm		
	6843	6800-0-2511	1/120

1) Battery included in delivery.

	Busch-Watchdog Presence tech 1) For switching and dimming lighting systems that depend on brightness and movement. For constant light regulation in combination with Dimmer insert 6593 U or 6550 U-101. For heating/air-conditioning/ventilation adjustment in combination with serial insert 6402 U. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For extension insert 6805 U. Remote control possible via IR mobile remote control 6010-25. Surveillance zone (for installation height 2.5 m): circular, 8 m diameter. Intelligent turn-on delay. Surveillance density: 72 sectors with 640 switching segments. Switch-off delay: approx. 10 sec - 30 min or short-time pulse 1 sec adjustable. Detection angle: 360 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 2 m - 8 m Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C 60669-2-1, British Standard EN 60669-2-1		
24 studio white matt	6813-101-500	6800-0-2178	1/10
183 aluminium silver	6813-183-101-500	6800-0-2324	1

1) Please order the respective flush mounted insert separately.

	Busch-Watchdog Presence tech DualLINE 1) For switching and dimming lighting systems that depend on brightness and movement. For constant light regulation in combination with Dimmer insert 6593 U or 6550 U-101. For the control of 2 independent light strips in combination with 2gang 1way unit 6402 U. For semiautomatic and fully automatic operation. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For extension insert 6805 U. Remote control possible via IR mobile remote control 6010-25. Surveillance zone (for installation height 2.5 m): circular, 8 m diameter. Intelligent turn-on delay. Surveillance density: 72 sectors with 640 switching segments. Switch-off delay: approx. 1 sec - 20 min or short-time pulse adjustable. Detection angle: 360 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 2 m - 8 m Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C 60669-2-1, British Standard EN 60669-2-1		
24 studio white matt	6813/11-24-500	6800-0-2350	1
183 aluminium silver	6813/11-183-500	6800-0-2352	1

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
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Surface mounting box

For Busch Watchdog Presence tech.
For the installation of a flush-mounted insert in combination with the Busch-Watchdog Presence tech 6813/(11)-xx-(101) or the Busch-Watchdog Presence tech KNX 6131/10-xxx or Busch-Watchdog Presence tech DualLINE KNX 6131/11-xxx. Protection class (Device): IP 20

24 studio white matt	6885-500	6899-0-0282	1/10
183 aluminium silver	6885-183-500	6899-0-0298	1



Busch-Watchdog MOS-Fet Insert 1) 2) 3) 4) 5) 6)

2-wire connection.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 60 - 420 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

	6804 U-101-500	6800-0-2219	1/10
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- 1) In case of electronic transformers, 5 % transformer losses.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Cannot be connected to compact fluorescent lamps, ECG or CCG.
- 4) Not suitable for activating the staircase time delay.
- 5) Cannot be used to control relays.
- 6) Requires an NIS international socket, E-No. 372507676.



Busch-Watchdog relay mechanism

3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
Rated voltage: 230 V, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated power: 700 W/VA
Temperature range (Device): 0 °C to 55 °C
British Standard EN 60669-2-1

	6812 U-101-500	6800-0-2160	1/10
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Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal master dimmer Insert 1) 2) 3)
Touch Dimmer

with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
Short-circuit protected, overload-protected.
With touch control.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
For control cover with control lamp 6543-xxx-10x.
For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control element 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
Combinable with Busch Watchdog extension insert 6805 U.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

	6593 U-500	6590-0-0171	1/10
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- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.





Busch-Universal relay switch insert


3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C.
For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
For Comfort timer control element 6455.
For Busch-Remote control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

	6401 U-102-500	6401-0-0049	1/10
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Product	Article-No.	Order-No.	Pack/Qty
	Busch-Memory touch-type controller ^{1) 2)} 3 wire connection (neutral conductor required). For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For LED control via control gears Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6550 U-101-500	6550-0-0042	1

- 1) Non-illuminable.
2) with integrated making-current limiter


	Busch-Universal 2gang 1way insert 3 wire connection (neutral conductor required). For the serial switch operating mode: 2 separate outputs, 2 separate extension inputs. For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For control cover 6430-xxx-10x and 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	 6402 U-500	6401-0-0051	1/10

	Insert for combination with flush-mounted inserts ¹⁾ 3 wire connection (neutral conductor required). For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations. For combination with relay insert 6401 U-102 and 6402 U. For combination with MOS-Fet insert 6804 U-101. For combination with Dimmer insert 6593 U and 6550 U-101. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Control/Signal outputs: 1, electronic output, potential-bound Temperature range (Device): 0 °C to 35 °C		
	6805 U-500	6800-0-2161	1/10

- 1) Not combinable with relay switch insert 6812 U-101.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted standard sensor ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 80 sec. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	Busch-Duro 2000® SI		
212 white	6810-212-101-500	6800-0-2162	1
	Reflex SI		
214 alpine white	6810-214-101-500	6800-0-2163	1

1) Please order the respective flush mounted insert separately.

	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	Busch-Duro 2000® SI		
212 white	6800-212-104-500	6800-0-2164	1
	Reflex SI		
212 white	6800-212-104-500	6800-0-2164	1

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens

For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

alpha

20 platinum ²⁾	6800-20-104	6800-0-2068	1
21 bronze ²⁾	6800-21-104	6800-0-2069	1
22G ivory	6800-22G-104	6800-0-2070	1
24 studio white matt	6800-24-104-500	6800-0-2168	1
24G studio white	6800-24G-104-500	6800-0-2170	1
260 palladium ²⁾	6800-260-104	6800-0-2118	1/10
266 titanium ²⁾	6800-266-104	6800-0-2120	1/10

1) Please order the respective flush mounted insert separately.
 2) Surface painted.



Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens

For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

impuls

74 alpine white	6800-74-104-500	6800-0-2172	1
79 champagne metallic ²⁾	6800-79-104	6800-0-2081	1
72 ivory	6800-72-104	6800-0-2338	1/10
774 studio white matt ²⁾	6800-774-104	6800-0-2504	1
775 black matt ²⁾	6800-775-104	6800-0-2502	1
777 blackberry ²⁾	6800-777-104	6800-0-2357	1
783 aluminium silver ²⁾	6800-783-104	6800-0-2340	1

1) Please order the respective flush mounted insert separately.
 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens

For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

future[®] linear

81 anthracite	6800-81-104	6800-0-2268	1
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
83 aluminium silver ²⁾	6800-83-104	6800-0-2325	1
84 davos/studio white	6800-84-104	6800-0-2101	1/10
884 studio white matt ²⁾	6800-884-104	6800-0-2497	1
885 black matt ²⁾	6800-885-104	6800-0-2506	1

solo[®]

82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10
87 toscana/purple ²⁾	6800-87-104	6800-0-2107	1
803 meteor/grey metallic ²⁾	6800-803-104	6800-0-2484	1
815 sahara/yellow	6800-815-104	6800-0-2482	1

Busch-axcent[®]

84 davos/studio white	6800-84-104	6800-0-2101	1/10
81 anthracite	6800-81-104	6800-0-2268	1
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10

carat[®]



81 anthracite	6800-81-104	6800-0-2268	1
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10

pure stainless steel ²⁾



866 stainless steel	6800-866-104	6800-0-2343	1
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1) Please order the respective flush mounted insert separately.
 2) Surface painted.
²⁾ Phase-out type





Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C Busch-Duro 2000® SI		
	212 white	6800-212-104M-500	6800-0-2166
	Reflex SI 6800-214-104M-500 6800-0-2167 1		
	214 alpine white		

1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C <i>impuls</i>		
	72 ivory	6800-72-104M	6800-0-2339
	74 alpine white 79 champagne metallic 3) 6800-74-104M-500 6800-0-2173 1 6800-79-104M 6800-0-2097 1 6800-774-104M 6800-0-2505 1 6800-775-104M 6800-0-2503 1 6800-777-104M 6800-0-2358 1 6800-783-104M 6800-0-2341 1		
	774 studio white matt 3)		
775 black matt 3)			
777 blackberry 3)			
783 aluminium silver 3)			

1) installation: slide switch bottom.
2) Please order the respective flush mounted insert separately.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C <i>alpha</i>		
	20 platinum 3)	6800-20-104M	6800-0-2084
	21 bronze 3) 6800-21-104M 6800-0-2085 1 22G ivory 6800-22G-104M 6800-0-2086 1 24G studio white 6800-24G-104M-500 6800-0-2171 1 260 palladium 3) 6800-260-104M 6800-0-2119 1/10 266 titanium 3) 6800-266-104M 6800-0-2121 1/10		
	21 bronze 3)		
22G ivory			
24G studio white			
260 palladium 3)			
266 titanium 3)			

1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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**Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)}
With multi-lens**

For automatic switching of devices dependent on motion and brightness.
For down-to-ground detection.
For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
For MOS-Fet insert 6804 U-101.
For Dimmer insert 6593 U.
For extension insert 6805 U.
With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
Surveillance density: 28 sectors with 112 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Detection range: frontal: 15 m, lateral: 5 m
Detection angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , Daytime operation
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

future® linear

81 anthracite	6800-81-104M	6800-0-2269	1
82 savanna/ ivory white	6800-82-104M	6800-0-2100	1
83 aluminium silver ³⁾	6800-83-104M	6800-0-2327	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
884 studio white matt ³⁾	6800-884-104M	6800-0-2498	1
885 black matt ³⁾	6800-885-104M	6800-0-2500	1

solo®

82 savanna/ ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
87 toscana/purple ¹⁾	6800-87-104M	6800-0-2108	1
803 meteor/ grey metallic ³⁾	6800-803-104M	6800-0-2485	1
815 sahara/yellow	6800-815-104M	6800-0-2483	1

Busch-axcent®

84 davos/studio white	6800-84-104M	6800-0-2102	1/10
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carat®

81 anthracite	6800-81-104M	6800-0-2269	1
82 savanna/ ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10

pure stainless steel ³⁾

866 stainless steel	6800-866-104M	6800-0-2344	1
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- 1) installation: slide switch top.
- 2) Please order the respective flush mounted insert separately.
- 3) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Busch-Watchdog 180 flush mounted comfort sensor II
for All Weather 44® ^{1) 2)}
With combi-lens**

For automatic switching of devices dependent on motion and brightness.
For use outdoors.
For down-to-ground detection.
For relay switch insert 6401 U-102.
IP 44 only in conjunction with cover frames All Weather 44®.
Surveillance density: 40 sectors with 160 switching segments.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
With screw-type terminal.
Detection range: frontal: 15 m, lateral: 10 m
Detection angle: 180 °
Brightness limit value: 5 Lux - 250 Lux , Daytime operation
Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
Protection class (Sensor): IP 44
Temperature range (Device): -25 °C to 55 °C
Position for installation: vertical

31 brown	6800-31-102C	6800-0-2353	1
32 white	6800-32-102C	6800-0-1898	1
33 aluminium silver	6800-33-102C	6800-0-2354	1
34 alpine white	6800-34-102C	6800-0-1674	1
35 anthracite	6800-35-102C	6800-0-1740	1

- 1) Delivered with sealing ring.
- 2) Please order the respective flush mounted insert separately.



RC-quenching circuit

For protection against the damage or destruction of electronic devices due to overvoltages.
For wiring network-interconnected inductivities (e.g.. relay, protection, fluorescent lamps, transformers, etc.).
Eliminates functional disturbances on electronic devices, e.g. automatic circuit reclosure (clocking) of a motion detector.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz

6899	6899-0-0231	10
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Twilight switch ^{1) 2)}

With labelling field.
Labelling field 57.8 x 9.8 mm
Switch-on/switch-off delay: approx. 3-6 min non-adjustable.
Rated voltage: 230 V~
Rated frequency: 50 Hz
Rated current: 16 AX
Rated power: 3680 W/VA
Brightness limit value: 3 Lux - 500 Lux nominal
Protection class (Device): IP 44
Temperature range (Device): -35 °C to 55 °C


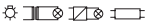
53 grey	2240 W-53	6500-0-0791	1/10
54 alpine white	2240 W-54	6500-0-0792	1/10

- 1) See lettering sheets 1799-13 and lettering software.
- 2) window non-illuminable.



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch 2-wire insert ^{1) 2) 3) 4)} 2-wire connection. For Busch-Comfort switch sensors 6815-xxx. Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Rated power: 40 - 300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
			
	6815 U	6800-0-2270	1/10


1) In case of electronic transformers, 5 % transformer losses.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Not suitable for activating the staircase time delay.
4) Output cannot be connected in parallel.

	Busch-Comfort switch relay mechanism ^{1) 2) 3)} 3 wire connection (neutral conductor required). For Busch-Comfort switch sensors 6815-xxx. Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformer. Rated power: 2300 W/VA Suitable for: 230 V halogen lamps Rated power: 1200 W Suitable for: Fluorescent lamps Rated current: 10 AX, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
			
	6816 U	6800-0-2355	1/10

1) In case of electronic transformers, 5 % transformer losses.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Output can be connected in parallel.


	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
212 white	6815-212	6800-0-2271	1/10
	Reflex SI		
214 alpine white	6815-214	6800-0-2272	1/10

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		

20 platinum ²⁾	6815-20	6800-0-2273	1/10
21 bronze ²⁾	6815-21	6800-0-2274	1/10
22G ivory	6815-22G	6800-0-2275	1/10
24 studio white matt	6815-24	6800-0-2276	1/10
24G studio white	6815-24G	6800-0-2277	1/10
260 palladium ²⁾	6815-260	6800-0-2282	1/10
266 titanium ²⁾	6815-266	6800-0-2283	1/10

1) Please order the respective flush mounted insert separately.
2) Surface painted.

	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
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	future® linear		
81 anthracite	6815-81	6800-0-2284	1/10
82 savanna/ ivory white	6815-82	6800-0-2285	1/10
83 aluminium silver ²⁾	6815-83	6800-0-2342	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
884 studio white matt ²⁾	6815-884	6800-0-2499	1/10
885 black matt ²⁾	6815-885	6800-0-2501	1/10
	solo®		
82 savanna/ ivory white	6815-82	6800-0-2285	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
87 toscana/purple ²⁾	6815-87	6800-0-2289	1/10
803 meteor/ grey metallic ²⁾	6815-803	6800-0-2481	1/10
815 sahara/yellow	6815-815	6800-0-2480	1/10
	Busch-axcent®		
84 davos/studio white	6815-84	6800-0-2286	1/10
	carat®		
81 anthracite	6815-81	6800-0-2284	1/10
82 savanna/ ivory white	6815-82	6800-0-2285	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
	pure stainless steel ²⁾		
866 stainless steel	6815-866	6800-0-2345	10/10

1) Please order the respective flush mounted insert separately.
2) Surface painted.
*) Phase-out type

Safety devices. Hindsight is easier than foresight.

A lot can happen! Occasionally life and limb are endangered – at other times it is simply annoying when something gets damaged. With modern safety devices, you are covered in any case.



01



Safety devices

- 01 WaveLINE LED display.
- 02 Busch-Heat alarm detector ProfessionalLINE
- 03 Busch-Infoline® alarm insert. Colour: alpine white.
- 04 ocean® Twilight switch.
Colour: alpin white.

Contents Safety devices

Busch-Smoke alarm	p. 346
Busch-Infoline®	p. 347
Busch-Info light	p. 350
SCHUKO® socket outlet insert for Busch-steplight®	p. 351
Busch-Protector®	p. 352
Buschmat FI flush-mounted insert	p. 353



02



03



04



Smoke alarm, Heat alarm

There's a fire. And everyone has to get out. Wherever a fire can start in your home: the first smoke alarm triggers

all other Busch-Smoke alarms in the house.



Busch-Smoke alarm detector guarantees a comprehensive early detection of smouldering and open fires in the entire house. The demand for high quality provides maximum reliability and prevents annoying malfunctions. Due to the wireless network, Busch-Smoke alarm detector offers a reliable early warning in all

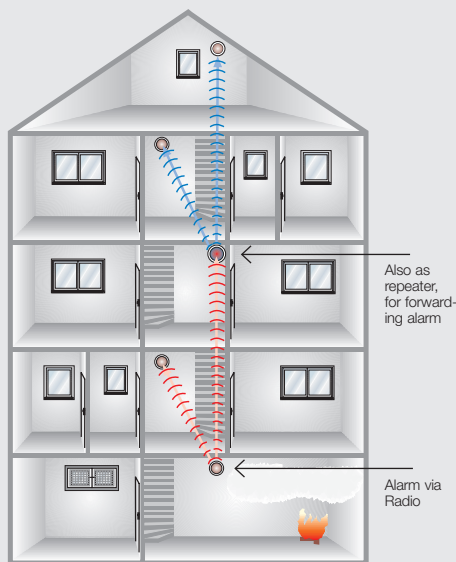
rooms. Thanks to the lithium battery with a service life of 10 years, it remains fully functional even in case of a power failure. In many countries smoke alarms are already required by law. The Busch-Smoke alarm detector fulfils all required standards in this regard.



Radio module

The additional radio module transmits the signal of the activated smoke alarm to all other smoke alarms in the house. It can also be built into existing Busch-Smoke alarm systems without extra wiring.**

**It is not possible to link old and new modules in the same installation.



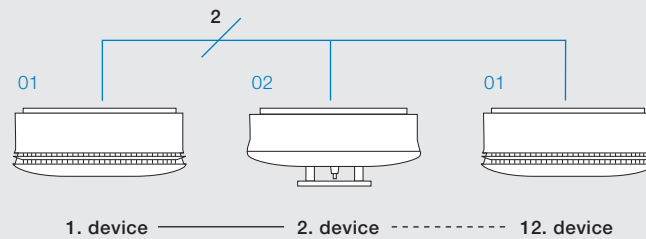
Raising the alarm in the entire house

Several devices are linked by the radio module. In this way all devices generate an alarm simultaneously when a fire is detected. Smoke alarms in staircases can forward the radio signal if ceilings are made of concrete (repeater function). The activated smoke alarm is recognizable by a flashing alarm light to facilitate localisation of the source of the fire.

Simple networking

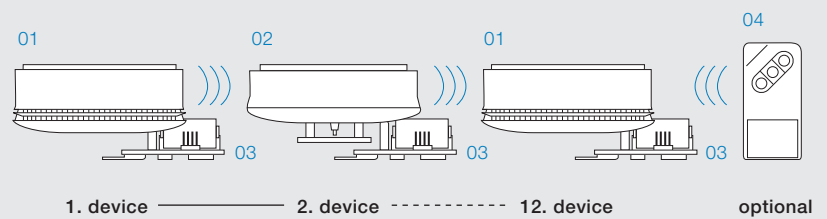
cabled, e.g. JY(St)Y

- » Smoke / heat detectors can be connected in a network together.
- » No further components are required for simple networking.



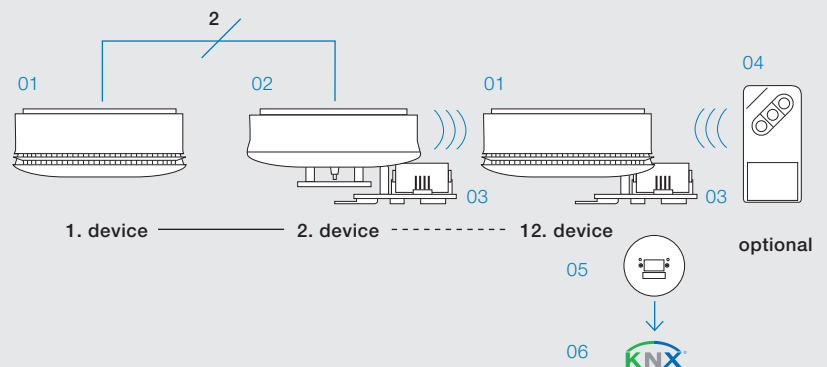
Radio network

- » Smoke/heat detectors can be connected in a network together with the same radio module.
- » Also control via remote control is possible: mute, test and search function (only possible with detectors that have a radio module).



Complex networking

- » Cabled networking and radio networking can be combined.
- » An interface is created via the relay module to other systems, such as KNX for example.
- » Also control via remote control is possible: mute, test and search function (only possible with detectors that have a radio module).



- 01 Busch-Smoke alarm detector ProfessionalLINE insert: 6826-84
- 02 Busch-Heat alarm detector ProfessionalLINE insert: 6827-84
- 03 Busch-Smoke alarm detector RF insert: 6828
- 04 Busch-Smoke alarm detector remote control insert: 6824-84
- 05 Busch-Smoke alarm detector relay module insert: 6829-84
- 06 e.g. Universal interface 2gang US/U 2.2



Busch-Infoline®* gives people who rely on the help of others the safe feeling that they are no longer alone. In public areas, an emergency call system for toilets for the disabled is prescribed.

People want to monitor many areas of daily life. This gives rise to the idea to display status and alarm messages, provide signals elsewhere, or perform automatic switching procedures. Busch-Infoline® is a system that makes all these functions easily realizable and calls for help when necessary. Emergency call messages for toilets

for the disabled, help call messages for public areas or moisture monitors for cellars or kitchens are typical areas of application for Busch-Infoline®. Monitoring the message lines against interruption or short circuit guarantees perfect operation. Function elements that can be labelled and colour-coded provide particularly simple operation.

01



02



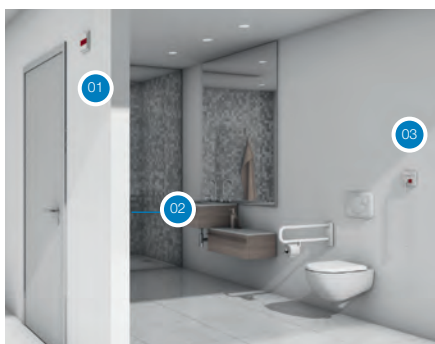
03



- 01 Alarm insert.
Switch series future® linear.
Colour: studio white 1566 U.
- 02 Signal push-switch insert with pull cable.
Switch series future® linear.
Colour: studio white 1520/1 UKZ.
- 03 Busch-Infoline® alarm insert red.
Switch series future® linear.
Colour: studio white 1515 U-12.



*Awarded with the seal for barrier-free living.



Call system for toilets for the disabled

Busch-Infoline® offers the option of setting up call systems for toilets for the disabled in all public areas. The system is also ideal for areas in which people with a mobility handicap or others in need can call for assistance.

By pressing the emergency call button an alarm message is generated in the form of a continuous audible signal and a flashing signal light outside the toilet. The LED (relief light) integrated into the button indicates to the person needing help that her/his call has been recognized and that help is on the way.

Pressing the stop pushbutton, which is preferably installed next to the WC door, acknowledges the alarm and the relief light as well as the acoustic and optical signal go out.

The call system can easily be extended by further signal buttons and remote signalling if required.



Call set for WCs for disabled persons insert: 1510 UC-xxx(-500)

- » For setting up an emergency call system for handicapped WCs
- » Consisting of: power pack insert, alarm signalling insert, signal push button insert with pullcord and cancel-button insert
- » Switch series: Reflex SI or future® linear

- 01 Alarm insert, 1515 U-12
- 02 Power supply unit insert, 1518 U
stop button insert, 1520/1 UK
- 03 Signal push-switch insert with pull cable,
1520/1 UKZ(-500)

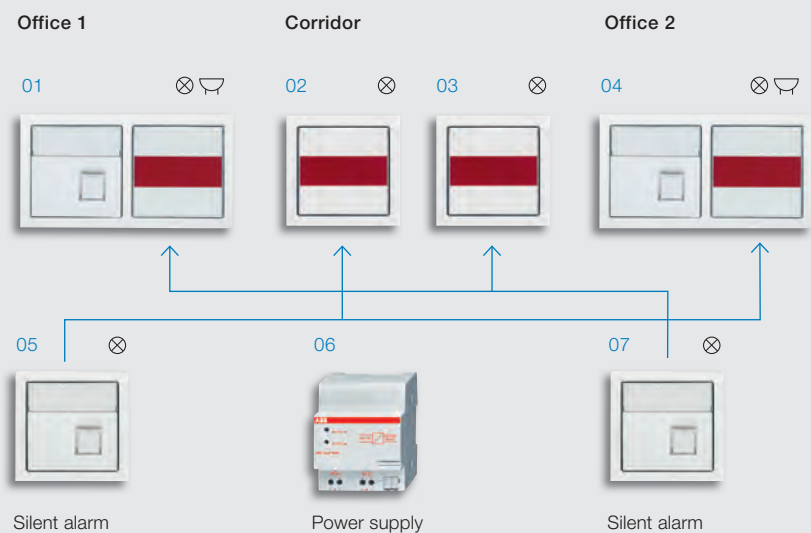
Panic / emergency call message

The area of application for panic and emergency call messages is in social security offices and psychiatric care facilities in which the personnel must be protected against possible assaults. All relevant rooms are equipped with the alarm control unit illustrated below. Both wall-mounted and table-mounted (over surface-mounted housing 1701-214 or 1701-84) are possible. When an alarm is triggered by the threatened person, the red or yellow signal light in the corridor over the entrance door of the corresponding room lights up permanently. In all other rooms fitted with the alarm control unit the call for help is indicated by means of an audible signal and the red flashing light. The alarm message can be acknowledged or reset at the monitoring insert in the room of the threatened person.



» **The alarm is triggered in each of the other offices. The alarm is silent in the own office.**

- 01 1511 U and 1563 U-12
- 02 1564 U-12
- 03 1564 U-12
- 04 1511 U and 1563 U-12
- 05 1520/1 UK
- 06 CP-D 24/2.5
- 07 1520/1 UK



Leakage guard

The Busch-Infoline® alarm and fault message system monitors kitchens and cellars for unwanted water ingress. The sensor rows guarantee a comprehensive detection by means of which both a sudden and a slow formation of moisture can be detected.





The system reports the incident and optionally locks the water supply via a relay insert and a solenoid valve. The signalling of the alarm can then be reset using the Off push-switch.

The alarm message itself, however, remains enabled in the form of the permanently lit Off push-switch until the moisture that triggered the alarm is eliminated.



Busch-Infoline® sensortape insert: 1538/02



Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Busch Smoke Alarm Detector ProfessionalLINE For early detection of smouldering fires and open fires with smoke build-up indoors acc. to photo-optical measuring principle (Tyndall). With permanently installed lithium battery. Battery service life of at least 10 years. With test button and mute function. Networkable via radio radio module up to 12 detectors. Networkable via two-wire line up to 12 detectors. Acoustic alarm: built-in horn (85 dBA) Cyclical function monitoring Including fixation material VdS certification (German organisation of property assurers) Tested according to DIN EN 14604 Control element: Function button (LED) Display elements: LED display				Busch-Smoke alarm detector BasicLINE 1) For early detection of smouldering fires and open fires with smoke build-up indoors acc. to photo-optical measuring principle (Tyndall). Battery monitoring and signal (30 days) Voltage supply: 9 V alkaline battery (in scope of supply) with service life up to three years. Cyclical function monitoring Including fixation material Acoustic alarm: built-in horn (85 dBA) VdS certification (German organisation of property assurers) Tested according to DIN EN 14604 Control element: Function button (LED) Display elements: LED display Protection class (Device): IP 30 Temperature range (Device): 5 °C to 45 °C		
84 studio white	6826-84	6800-0-2512	1/10	24 white	6830-24-500/01	6800-0-2495	1/100
				24 white	6830-24-500/02	6800-0-2496	1/100
	Busch Heat Alarm ProfessionalLINE Signal triggering when over 50°C. With permanently installed lithium battery. Battery service life of at least 10 years. With test button and mute function. Networkable via radio radio module up to 12 detectors. Networkable via two-wire line up to 12 detectors. Acoustic alarm: built-in horn (85 dBA) Cyclical function monitoring Including fixation material VdS certification (German organisation of property assurers) Tested according to DIN EN 14604 To be used only in connection with networked Busch Smoke Alarm® devices 6826. Control element: Function button (LED) Display elements: LED display			1) To ensure proper functioning at all times, regular cleaning (monthly) is recommended.			
84 studio white	6827-84	6800-0-2513	1/10		Protective basket For ceiling presence detectors. for Busch Watchdog Presence tech (6813-101-500), For Busch-Watchdog® Presence tech Dualline 6813/11-xxx. For Busch-Watchdog® Presence tech BasicLINE 6814 U. For Busch-Watchdog® Presence tech BasicLINE Corridor 6818 U. For Busch Smoke Alarm® BasicLINE (6830-24/0x). For Busch Smoke Alarm® ProfessionalLINE (6826-84). For Busch Heat Alarm ProfessionalLINE (6827-84). Also applicable in connection with surface-mounted housings 6885-xxx and 6888. For Busch-Watchdog Presence KNX 6161/10-xxx and 6131/11-xxx. Dimensions: (L x W x D): 180 mm x 180 mm x 98 mm		
				alpine white	6898	6899-0-2304	1/12
	Busch Smoke Alarm Detector relay Connection also for external systems, e.g. KNX. Relais contact: changeover contact 230 V~ max. 5A Connection terminals: up to 2 x 2 x 1,5 mm ² Incl. RF module. Rated voltage: 230 V~						
84 studio white	6829-84	6800-0-2515	1/10				
	Busch Smoke Alarm Detector RF For wireless network of Busch-Smoke/Heat Alarm. With permanently installed lithium battery. Battery service life of at least 10 years. Radio frequency: 868 MHz Range: max. 100 m in the open, max. 30 m inside buildings.						
	6828	6800-0-2514	1/10				
	Busch Smoke Alarm Detector remote control For maintenance. With mute, test and search function.						
84 studio white	6824-84	6800-0-2516	1				

Product	Article-No.	Order-No.	Pack/Qty
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Handicapped toilet signal set 1) 2) 3)
 For setting up an emergency call system for handicapped WCs. Consisting of: power pack insert, alarm signalling insert, signal push button insert with pullcord and cancel-button insert.
 Activation of alarm signal via cord button.
 Optical and acoustic emergency-call signalling outside the handicapped WC.
 Comforting light when alarm signal is activated.
 With cancel button for cancelling the emergency call
 Labelling field 51 x 10 mm.
 Control element: Pull-cord and cancel button.
 Display elements: LED flashing lamp, buzzer and comforting light.
 Rated voltage: 230 V~, +10 % / -10 %
 Secondary: 15 V~
 Rated frequency: 50 Hz/60 Hz
 Inputs: 1
 Outputs: 1x Normally open contact, potential-bound
 Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/WA
 Protection class (Device): IP 20
 Temperature range (Device): 5 °C to 40 °C

212 white	NEW 1510 UC-212-500	1582-0-0356	1/10
	Reflex SI		
214 alpine white	1510 UC-214-500	1582-0-0322	1/10

- 1) No claw. Screw-fixing via keyholes.
- 2) Incl. Cover plate.
- 3) Matching lettering sheet 1799 01.

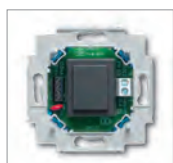


Handicapped toilet signal set 1) 2) 3)
 For setting up an emergency call system for handicapped WCs. Consisting of: power pack insert, alarm signalling insert, signal push button insert with pullcord and cancel-button insert.
 Activation of alarm signal via cord button.
 Optical and acoustic emergency-call signalling outside the handicapped WC.
 Comforting light when alarm signal is activated.
 With cancel button for cancelling the emergency call
 Labelling field for sensor: 61 x 20 mm.
 Labelling field for transformer/alarm control unit: 61 x 61 mm.
 Control element: Pull-cord and cancel button.
 Display elements: LED flashing lamp, buzzer and comforting light.
 Rated voltage: 230 V~, +10 % / -10 %
 Secondary: 15 V~
 Rated frequency: 50 Hz/60 Hz
 Inputs: 1
 Outputs: 1x Normally open contact, potential-bound
 Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/WA
 Protection class (Device): IP 20
 Temperature range (Device): 5 °C to 40 °C

future® linear

84 davos/studio white	1510 UC-84-500	1582-0-0330	1/10
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- 1) No claw. Screw-fixing via keyholes.
- 2) Incl. Cover plate.
- 3) For compatible lettering software, visit www.BUSCH-JAEGER.com.



Transformer 1)
 For the voltage supply of call and signalling units.
 Transformer for installation in flush-mounted boxes, German Standard DIN 49073, Part 1.
 Short-circuit protected
 Rated voltage: 230 V~, +10 % / -10 %
 Secondary: 15 V~
 Rated frequency: 50 Hz/60 Hz
 Rated current: 150 mA
 Protection class (Device): SELV
 Temperature range (Device): 5 °C to 40 °C

1518 U	1582-0-0331	1/10
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- 1) No claw. Screw-fixing via keyholes.

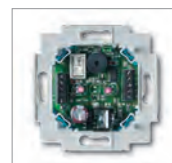
Product	Article-No.	Order-No.	Pack/Qty
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Monitoring application 1) with cancel push button
 Operates as normal alarm panel.
 For monitoring a break or short circuit in a current loop. Selectable minimal short-circuit/interruption duration (0/2 sec) until alarm is given via internal jumper.
 Storage of the alarm status (can be switched off).
 Control element: Resetting key
 Display elements: LED push button backlighting
 Rated voltage: 15 V~
 Rated frequency: 50 Hz
 Inputs: 1
 Outputs: 1x Normally open contact, potential-bound
 Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/WA
 Protection class (Device): SELV
 Temperature range (Device): 5 °C to 40 °C

1511 U	1582-0-0332	1/10
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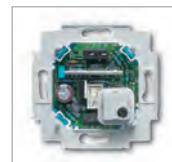
- 1) No claw. Screw-fixing via keyholes.



Alarm signalling panel 1) red
 Operates as normal alarm panel.
 For monitoring a break or short circuit in a current loop. With storage of the alarm status (can be switched off).
 With reset input.
 Permanent acoustic alarm.
 Type: 70 dB, distance apart 1 m.
 Pulsating optical alarm.
 Maintenance free due to using LEDs.
 Display elements: LED flashing lamp
 Rated voltage: 15 V~
 Rated frequency: 50 Hz
 Inputs: 1
 Outputs: 1x Normally open contact, potential-bound
 Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/WA
 Protection class (Device): SELV
 Temperature range (Device): 5 °C to 40 °C

1515 U-12	1582-0-0333	1/10
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- 1) No claw. Screw-fixing via keyholes.



Busch-Leakage guard insert 1) with cancel push button
 For surveillance of water leakages in kitchen or basements. For detecting conductive liquids.
 The detection is effected via the separately available tape sensor 1538/02.
 Optical alarm signals via flashing cancel button.
 Optional visual or acoustic indicator with Busch-Alarm unit 1563 U-12 or Buzzer 1561 U to be ordered separately.
 Reset mode (immediate/only after moisture is removed) selectable using internal jumper.
 Control element: Resetting key
 Display elements: LED push button backlighting
 Rated voltage: 15 V~
 Rated frequency: 50 Hz
 Inputs: 1
 Outputs: 1x Normally open contact, potential-bound
 Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/WA
 Protection class (Device): SELV
 Temperature range (Device): 5 °C to 40 °C

1531 U	1582-0-0334	1/10
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- 1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack/Qty
<p>Relay mechanism 1) For switching 230 V~ consumers. Control of the relay switch insert via potential-free contact. For Busch-Leakage guard insert 1531 U. For blocking the water feed via an additional magnet valve. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 230 V~ Rated frequency: 50 Hz/60 Hz Inputs: 1 Polling voltage: 30 V~, is provided by the device Outputs: 1x Normally open contact Suitable for: Resistive load Rated current: 10 A, cos 1 Rated power: 2300 W Suitable for: Fluorescent lamps Rated current: 1.3 AX, cos 0.9 Rated power: 300 VA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1539 U	1582-0-0335	1/10

1) No claw. Screw-fixing via keyholes.

<p>Busch- Alarm unit 1) red For optical and acoustic alarm signalisation. Type of signalling (call/alarm call, in accordance with DIN VDE 0834) selectable using internal jumper. Type: 70 dB, distance apart 1 m. Acoustic signalling via internal jumper can be deactivated. Alarm activation by applying the operating voltage. Maintenance free due to using LEDs. Rated voltage: 15 V~ Rated frequency: 50 Hz Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1563 U-12	1582-0-0336	1/10
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1) No claw. Screw-fixing via keyholes.

<p>Light signal insert for push lamp 1) yellow For optical alarm/status signal. Call signalling in accordance with DIN VDE 0834. Permanent light. Alarm activation by applying the operating voltage. Maintenance free due to using LEDs. Rated voltage: 15 V~ Rated frequency: 50 Hz Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1564 U-15	1582-0-0340	1/10
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1) No claw. Screw-fixing via keyholes.

<p>Light signal insert for push lamp 1) red For optical alarm/status signal. Call signalling in accordance with DIN VDE 0834. Permanent light. Alarm activation by applying the operating voltage. Maintenance free due to using LEDs. Rated voltage: 15 V~ Rated frequency: 50 Hz Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1564 U-12	1582-0-0338	1/10
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1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack/Qty
<p>Light signal insert for push lamp 1) green For optical alarm/status signal. Call signalling in accordance with DIN VDE 0834. Permanent light. Alarm activation by applying the operating voltage. Maintenance free due to using LEDs. Rated voltage: 15 V~ Rated frequency: 50 Hz Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1564 U-13	1582-0-0339	1/10

1) No claw. Screw-fixing via keyholes.

<p>Buzzer 1) Buzzer for acoustic alarm signalling. Permanent signal. Type 66 dB, distance apart 1 m. 2 frequencies (200 Hz/750 Hz) selectable via internal jumper. Volume pre-adjustable. Rated voltage: 15 V~ Rated frequency: 50 Hz Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1561 U	1582-0-0337	1/10
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1) No claw. Screw-fixing via keyholes.

<p>Signal panel 1) 6gang For display of up to 6, mutually independent alarm/status signals. Division into 2 insulated groups possible. Additional group-signal terminal for connecting other Busch Infoline® signal indicators. Rated voltage: 15 V~ Rated frequency: 50 Hz Inputs: 6 Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1566 U	1582-0-0341	1/10
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1) No claw. Screw-fixing via keyholes.

<p>Signal/Cancel push button 1) Push button for activating or deactivating alarm signals. With signal/control display via LED. Activation feedback (individual/group activation) selectable using internal jumper. Rated voltage: 15 V~ Rated frequency: 50 Hz Control/Signal outputs: 1, 1gang 1way, insulated, 30 V~/35 V~, 100 mA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1520/1 UK	1582-0-0342	1/10
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1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Signal Push Button ¹⁾ with pullcord For activating alarm signals, e.g. in a handicapped WC. With comforting light and control display via LED. Pull-cord length 2.5 m. Activation feedback (individual/group activation) selectable using internal jumper. Rated voltage: 15 V~ Rated frequency: 50 Hz Control/Signal outputs: 1, 1gang 1way, insulated, 30 V~/~35 V-, 100 mA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1520/1 UKZ-500	1582-0-0344	1/10


1) No claw. Screw-fixing via keyholes.


 <p>Cover plate ¹⁾ ²⁾ 1gang, with labelling field With operating knob. For Signal/Cancel Push Button insert 1520/1 UK. For Control Unit insert 1511 U. For Busch-Leakage guard insert 1531 U. With labelling field 51 x 10 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Busch-Duro 2000® SII		
	212 white	1571 CN-212	1582-0-0357
214 alpine white	Reflex SI		
	1571 CN-214	1582-0-0345	10

1) See labelling sheet 1799/0x.
2) Matching lettering sheet 1799 01.
3) For compatible lettering software, visit www.BUSCH-JAEGER.com.

 <p>Cover plate ¹⁾ ²⁾ 2gang, with labelling field With operating knob. For Signal Push Button insert 1520/1 UKZ. With labelling field 51 x 10 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Busch-Duro 2000® SII		
	212 white	1572 CN-212	1582-0-0358
214 alpine white	Reflex SI		
	1572 CN-214	1582-0-0347	10


1) See labelling sheet 1799/0x.
2) Matching lettering sheet 1799 01.
3) For compatible lettering software, visit www.BUSCH-JAEGER.com.

 <p>Cover plate with red and neutral neon indicator For Alarm Control Unit insert 1515 U-12. For Busch-Alarm signal insert 1563 U-12. For Indication Lamp insert 1564 U-1x. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 20 mm</p>	Busch-Duro 2000® SII		
	212 white	1573 C-212	1582-0-0359
214 alpine white	Reflex SI		
	1573 C-214	1582-0-0349	10

 <p>Cover plate with loudspeaker grid For signalling device insert 1561 U. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Reflex SI		
	214 alpine white	1574 C-214	1582-0-0351


Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate ¹⁾ ²⁾ ³⁾ 6gang, illuminable, with labelling field For Signal Panel insert 1566 U.. 3 Labelling fields 51 x 10 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Reflex SI		
	214 alpine white	1575 CN-214	1582-0-0352

1) See labelling sheet 1799/0x.
2) Matching lettering sheet 1799 01.
3) For compatible lettering software, visit www.BUSCH-JAEGER.com.


 <p>Blank plate For power pack insert 1518 U. For Relay Switch insert 1539 U. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Busch-Duro 2000® SII		
	212 white	1576 C-212	1582-0-0360
214 alpine white	Reflex SI		
	1576 C-214	1582-0-0354	10

 <p>Cover plate ¹⁾ ²⁾ ³⁾ 1gang, with labelling field With operating knob. For Signal/Cancel Push Button insert 1520/1 UK. For Control Unit insert 1511 U. For Busch-Leakage guard insert 1531 U. With window 61 x 20 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm</p>	future® linear		
	84 davos/studio white	1571 CN-84	1582-0-0346


1) See labelling sheet 1799/0x.
2) For compatible lettering software, visit www.BUSCH-JAEGER.com.
3) Can also be used for Busch-axcent®, solo®, and carat®.

 <p>Cover plate ¹⁾ ²⁾ ³⁾ 2gang, with labelling field With operating knob. For Signal Push Button insert 1520/1 UKZ. With window 61 x 20 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm</p>	future® linear		
	84 davos/studio white	1572 CN-84	1582-0-0348

1) See labelling sheet 1799/0x.
2) For compatible lettering software, visit www.BUSCH-JAEGER.com.
3) Can also be used for Busch-axcent®, solo®, and carat®.

 <p>Cover plate ¹⁾ ²⁾ ³⁾ with red and neutral light panel and labelling field For Alarm Control Unit insert 1515 U-12. For Busch-Alarm signal insert 1563 U-12. For Indication Lamp insert 1564 U-1x. With window 61 x 61 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm</p>	future® linear		
	84 davos/studio white	1573 CN-84	1582-0-0350


1) See labelling sheet 1799/0x.
2) For compatible lettering software, visit www.BUSCH-JAEGER.com.
3) Can also be used for Busch-axcent®, solo®, and carat®.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2) 3)} 6gang, illuminable, with labelling field For Signal Panel insert 1566 U.. With window 61 x 61 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm		
84 davos/studio white	1575 CN-84	1582-0-0353	10

- 1) See labelling sheet 1799/0x.
- 2) For compatible lettering software, visit www.BUSCH-JAEGER.com.
- 3) Can also be used for Busch-axcent®, solo®, and carat®.


	Cover plate ^{1) 2) 3)} with labelling field. For power pack insert 1518 U. For Relay Switch insert 1539 U. For signalling device insert 1561 U. With window 61 x 61 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm		
84 davos/studio white	1576 CN-84	1582-0-0355	10


- 1) See labelling sheet 1799/0x.
- 2) For compatible lettering software, visit www.BUSCH-JAEGER.com.
- 3) Can also be used for Busch-axcent®, solo®, and carat®.

	Sensortape For Busch-Leakage guard insert 1531 U. For detecting conductive liquids. The connection to the control line is a soldered connection. Self-adhesive. 2 m roll. Dimensions: (L x W x D): 0.15 mm x 15 mm x 2 m		
	1538/02	1582-0-0313	1/10


	Flush-mounted emergency light ^{1) 2)} with LED lighting Battery buffer time larger 3 hours. Two colours adjustable: white/blue Reduction to 50% of brightness after one hour. During the emergency lighting it can be switched on and off over a +/- 12 V input. Rated voltage: 230 V~		
	2066 U	1511-0-0116	1

- 1) Use relay inserts when switching through movement sensors or comfort switches.
- 2) For switching the LED flush mounted insert use switches without orientation light only.


	Cover plate As cover for flush-mounted emergency light. For insert 2066 U. Material: zinc die-casting coated.		
10 silver	1756-10	1753-0-4873	1
16 anthracite	1756-16	1753-0-4874	1

Product	Article-No.	Order-No.	Pack/Qty
	Info light unit ^{1) 2)} Size of information field 43 x 43 mm. Long service life of the lighting element (LEDs). Homogeneous backlighting of the information field. Rated voltage: 230 V~		
	2062 U	1511-0-0115	1/10


- 1) Use relay inserts when switching through movement sensors or comfort switches.
- 2) For switching the LED flush mounted insert use switches without orientation light only.

	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	Busch-Duro 2000® SI		
212 white	2562-212	1731-0-1919	1
	Reflex SI		
214 alpine white	2562-214	1731-0-1920	1


- 1) Included with the cover are 46 different text labels and symbols.
- 2) See labelling sheet 1799 xx.

	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
20 platinum ³⁾	1716-20	1731-0-1929	1
21 bronze ³⁾	1716-21	1731-0-1930	1
22 ivory	1716-22	1731-0-1931	1
24 studio white matt	1716-24	1731-0-1932	1
24G studio white	1716-24G	1731-0-1933	1
260 palladium ³⁾	1716-260	1731-0-1938	1
266 titanium ³⁾	1716-266	1731-0-1939	1


- 1) Included with the cover are 46 different text labels and symbols.
- 2) See labelling sheet 1799 21.
- 3) Surface painted.

	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	<i>impuls</i>		
72 ivory	1716-72	1731-0-1951	1
74 alpine white	1716-74	1731-0-1942	1
79 champagne metallic ³⁾	1716-79	1731-0-1944	1
774 studio white matt ³⁾	1716-774	1731-0-1984	1
775 black matt ³⁾	1716-775	1731-0-1983	1
777 blackberry ³⁾	1716-777	1731-0-1972	1
783 aluminium silver ³⁾	1716-783	1731-0-1952	1


- 1) Included with the cover are 46 different text labels and symbols.
- 2) See labelling sheet 1799 21.
- 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm. future® linear		
81 anthracite	1716-81	1731-0-1921	1
82 savanna/ ivory white	1716-82	1731-0-1922	1
83 aluminium silver 3)	1716-83	1731-0-1950	1
84 davos/studio white	1716-84	1731-0-1923	1
884 studio white matt 3)	1716-884	1731-0-1978	1
885 black matt 3)	1716-885	1731-0-1980	1
	solo®		
82 savanna/ ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
87 toscana/purple)	1716-87	1731-0-1926	1
803 meteor/ grey metallic 3)	1716-803	1731-0-1976	1
815 sahara/yellow	1716-815	1731-0-1974	1
	Busch-axcent®		
84 davos/studio white	1716-84	1731-0-1923	1
	carat®		
81 anthracite	1716-81	1731-0-1921	1
82 savanna/ ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
	pure stainless steel		
866 stainless steel	1716-866	1731-0-1955	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 21.
3) Surface painted.
) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A Busch-Duro 2000® SI		
212 white	20 EUCBLI-212	2013-0-5290	10
	Reflex SI		
214 alpine white	20 EUCBLI-214	2013-0-5291	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A future® linear		
82 ivory	20 EUCBLI-82	2013-0-5292	10
83 aluminium silver 3)	20 EUCBLI-83	2013-0-5293	10
84 studio white	20 EUCBLI-84	2013-0-5294	10
884 studio white matt 3)	20 EUCBLI-884	2013-0-5326	10
885 black matt 3)	20 EUCBLI-885	2013-0-5331	10
	solo®		
82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10
	Busch-axcent®		
84 studio white	20 EUCBLI-84	2013-0-5294	10
	carat®		
82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.
3) Surface painted.




Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A Busch-Duro 2000® SI			
	212 white	2310EUGL/VA-212-11	2011-0-3816	1/10
	214 alpine white	2310EUGL/VA-214-11	2011-0-3817	1/10
	217 red	2310EUGL/VA-217-11	2011-0-3818	1/10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.				

	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Rated current: 16 A <i>alpha</i>			
	20 platinum 2)	2310 EUGL/VA-20-11	2011-0-3819	1
	21 bronze 2)	2310 EUGL/VA-21-11	2011-0-3820	1
	22G ivory	2310EUGL/VA-22G-11	2011-0-3821	1
	24 studio white matt	2310 EUGL/VA-24-11	2011-0-3822	1
	24G studio white	2310EUGL/VA-24G-11	2011-0-3823	1
	260 palladium 2)	2310EUGL/VA-260-11	2011-0-3828	1
	266 titanium 2)	2310EUGL/VA-266-11	2011-0-3829	1
	1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Surface painted.			

	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A <i>impuls</i>			
	72 ivory	2310 EUGL/VA-72-11	2011-0-3848	1
	74 alpine white	2310 EUGL/VA-74-11	2011-0-3841	1
	79 champagne metallic 2)	2310 EUGL/VA-79-11	2011-0-3843	1
	774 studio white matt 2)	2310EUGL/VA-774-11	2011-0-3894	1
	775 black matt 2)	2310EUGL/VA-775-11	2011-0-3889	1
	777 blackberry 2)	2310EUGL/VA-777-11	2011-0-3870	1
	783 aluminium silver 2)	2310EUGL/VA-783-11	2011-0-3849	1
	1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A future® linear			
	81 anthracite	2310 EUGL/VA-81-11	2011-0-3830	1
	82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
	83 aluminium silver 2)	2310 EUGL/VA-83-11	2011-0-3832	1
	84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
	884 studio white matt 2)	2310EUGL/VA-884-11	2011-0-3882	1
	885 black matt 2)	2310EUGL/VA-885-11	2011-0-3885	1
	<i>solo®</i>			
	82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
	84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
	87 toscana/purple)	2310 EUGL/VA-87-11	2011-0-3836	1
	803 meteor/grey metallic 2)	2310EUGL/VA-803-11	2011-0-3877	1
	815 sahara/yellow	2310EUGL/VA-815-11	2011-0-3874	1
	<i>Busch-axcent®</i>			
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1	
<i>carat®</i>				
81 anthracite	2310 EUGL/VA-81-11	2011-0-3830	1	
82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1	
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1	
<i>pure stainless steel</i>				
866 stainless steel	2310EUGL/VA-866-11	2011-0-3853	1	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Surface painted. *) Phase-out type				


	RC-quenching circuit For protection against the damage or destruction of electronic devices due to overvoltages. For wiring network-interconnected inductivities (e.g., relay, protection, fluorescent lamps, transformers, etc.). Eliminates functional disturbances on electronic devices, e.g. automatic circuit reclosure (clocking) of a motion detector. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz		
	6899	6899-0-0231	10

Product	Article-No.	Order-No.	Pack/Qty
	Buschmat FI - Insert ^{1) 2)} With earth leakage breaker with connecting conductor. Protection of downstream consumers. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. DP cut off (P,N) Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		

212 white	3150 UC-212	3117-0-0001	1
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214 alpine white	3150 UC-214	3117-0-0002	1
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.

	FI-SCHUKOMAT, SCHUKO[®] socket outlet (RCD) ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. Flush-mounted SCHUKOMAT, VDE 0664. DP cut off (P,N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
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212 white	3118 EUCKS-212	3116-0-0597	1
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214 alpine white	3118 EUCKS-214	3116-0-0605	1
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection .

	FI-SCHUKOMAT, SCHUKO[®] socket outlet (RCD) ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
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212 white	3120 EUCKS-212	3116-0-0613	1
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214 alpine white	3120 EUCKS-214	3116-0-0621	1
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- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO[®] socket outlet (RCD) ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		


82 savanna/ ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1

solo [®]			
82 savanna/ ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1

Busch-axcent [®]			
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1


carat [®]			
82 savanna/ ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection .

	FI-SCHUKOMAT, SCHUKO[®] socket outlets ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. Waterproof. Flush-mounted SCHUKOMAT, VDE 0664. Complete cover, not combinable. DP cut off (P,N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 44 Temperature range (Device): -25 °C to 40 °C		
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44 alpine white	3118 EUGKS-44	3116-0-0647	1
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- 1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
2) Terminals suitable for loop through connection.
3) Increased shock protection .

	FI-SCHUKOMAT, SCHUKO[®] socket outlets ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. Waterproof. Flush-mounted SCHUKOMAT, VDE 0664 DP cut off (P,N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 44 Temperature range (Device): -25 °C to 40 °C		
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grey	3118 WSKS	3116-0-0639	1
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- 1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
3) Increased shock protection .

ABB-Welcome A new home experience.

The right solution for every requirement. With the wide range of well-designed products, optimum door communication can be made a reality for all types of buildings. Without great effort due to the 2-wire bus technique. And always with high-quality materials that are carefully matched. This makes ABB-Welcome ideal for use in new buildings as well as the later integration during modernisation of all types of real estate.



01



product design award

2012



ABB-Welcome

- 01 **ABB-Welcome** *Touch*
- 02 **ABB-Welcome** video outdoor station
- 03 **ABB-Welcome** audio outdoor station
- 04 **ABB-Welcome** indoor audio station with handset
- 05 **ABB-Welcome** indoor audio station with display

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02



03



04



05



ABB-Welcome



01



02



03



04



06



07

A holistic concept.

Already today Busch-Jaeger fulfils the desire for harmoniously matching indoor concepts and holistic installation solutions. As standard. This allows all indoor stations of door communication to be integrated into every style of living. That is why the ABB-WelcomeTouch and the ABB-Welcome indoor station with handset is available in studio white matt, aluminium silver and anthracite matt. And the ABB-Welcome indoor audio station with display is available in studio white, aluminium silver, anthracite, alpine white and white.



product design award

2012



More possibilities.
In every way.



08



09



10



11



12













13

ABB-Welcome

- 01 **ABB-Welcome** video outdoor station, stainless steel (brushed)
- 02 **ABB-Welcome** video outdoor station, studio white matt (metal-coated)
- 03 **ABB-Welcome** audio outdoor station, stainless steel (brushed)
- 04 **ABB-Welcome** audio outdoor station, studio white matt (metal-coated)
- 05 **ABB-WelcomeTouch**, studio white matt
- 06 **ABB-WelcomeTouch**, aluminium silver
- 07 **ABB-WelcomeTouch**, anthracite matt
- 08 **ABB-Welcome** indoor audio station with handset, studio white matt
- 09 **ABB-Welcome** indoor audio station with handset, aluminium silver
- 10 **ABB-Welcome** indoor audio station with handset, anthracite matt
- 11 **ABB-Welcome** indoor audio station with display, switch range future® linear, davos/studio white
- 12 **ABB-Welcome** indoor audio station with display, switch range future® linear, aluminium silver
- 13 **ABB-Welcome** indoor audio station with display, switch range future® linear, anthracite matt



ABB-Welcome Compact Sets

Set	Description	One-family house	Two-family house
Audio set	<p>Audio outdoor station, studio white matt (metal-coated) Flush-mounted wall box, size 1/2 System controller</p> <p>Indoor audio station with display, Reflex SI, alpine white » Cover plates » 2gang frame</p>	<p>83001/1-500</p> 	<p>83001/2-500</p> 
Audio set	<p>Audio outdoor station, studio white matt (metal-coated) Flush-mounted wall box, size 1/2 System controller</p> <p>Indoor audio station with display, future® linear, davos/studio white » Cover plates » 2gang frame</p>	<p>83003/1-500</p> 	<p>83003/2-500</p> 
Audio set	<p>Audio outdoor station, stainless steel (brushed) Flush-mounted wall box, size 1/2 System controller</p> <p>Indoor audio station with display, future® linear, davos/studio white » Cover plates » 2gang frame</p>	<p>83004/1-500</p> 	<p>83004/2-500</p> 
Audio set	<p>Audio outdoor station, studio white matt (metal-coated) Flush-mounted wall box, size 1/2 System controller</p> <p>Indoor audio station with handset, studio white matt</p>	<p>83005/1-500</p> 	<p>83005/2-500</p> 
Audio set	<p>Audio outdoor station, stainless steel (brushed) Flush-mounted wall box, size 1/2 System controller</p> <p>Indoor audio station with handset, studio white matt</p>	<p>83006/1-500</p> 	<p>83006/2-500</p> 

More possibilities.
In every way.




Set	Description	One-family house	Two-family house
Video set	Video outdoor station, studio white matt (metal-coated) Flush-mounted wall box, size 1/3 System controller	83021/1-500	83021/2-500
	ABB-WelcomeTouch, studio white matt		
Video set	Video outdoor station, stainless steel (brushed) Flush-mounted wall box, size 1/3 System controller	83022/1-500	83022/2-500
	ABB-WelcomeTouch, studio white matt		

ABB-Welcome Compact Sets.

The complete solution for all intents and purposes.
14 different opportunities – perfectly arranged. Each set contains all necessary devices optimally matched in function and design – easy to order and easy to install.



Product Article-No. Order-No. Pack/Qty



Video outdoor station, 1 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Communication unit and key module are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-681-500.
For surface-mounted installation with 83402 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 43 mm

NEW

660 stainless steel **83121/1-660-500** 8300-0-0101 1

Product Article-No. Order-No. Pack/Qty



Video outdoor station, 6 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83403 U-681-500.
For surface-mounted installation with 83403 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 349 mm x 135 mm x 43 mm

NEW

660 stainless steel **83122/6-660-500** 8300-0-0289 1/5



Video outdoor station, 2 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-681-500.
For surface-mounted installation with 83402 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 43 mm

NEW

660 stainless steel **83121/2-660-500** 8300-0-0102 1



Video outdoor station, 8 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83404 U-681-500.
For surface-mounted installation with 83404 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 235 mm x 43 mm

NEW

660 stainless steel **83124/8-660-500** 8300-0-0290 1



Video outdoor station, 3 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-681-500.
For surface-mounted installation with 83402 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 43 mm

NEW

660 stainless steel **83121/3-660-500** 8300-0-0103 1



Video outdoor station, 12 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83404 U-681-500.
For surface-mounted installation with 83404 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 235 mm x 43 mm

NEW

660 stainless steel **83124/12-660-500** 8300-0-0291 1



Video outdoor station, 4 gang
Front plate made of 3 mm stainless steel, surface is brushed
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83403 U-681-500.
For surface-mounted installation with 83403 AP-681-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 349 mm x 135 mm x 43 mm

NEW

660 stainless steel **83122/4-660-500** 8300-0-0288 1/5



Audio outdoor station, 1 gang
Front plate made of 3 mm stainless steel, surface is brushed
Communication unit and key module are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83401 U-681-500.
For surface-mounted installation with 83401 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 205 mm x 135 mm x 29 mm

NEW

660 stainless steel **83101/1-660-500** 8300-0-0096 1

Product Article-No. Order-No. Pack/Qty



Audio outdoor station, 2gang
Front plate made of 3 mm stainless steel, surface is brushed
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83401 U-681-500.
For surface-mounted installation with 83401 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 205 mm x 135 mm x 29 mm

NEW

660 stainless steel **83101/2-660-500** 8300-0-0097 1



Audio outdoor station, 3gang
Front plate made of 3 mm stainless steel, surface is brushed
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83401 U-681-500.
For surface-mounted installation with 83401 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 205 mm x 135 mm x 29 mm

NEW

660 stainless steel **83101/3-660-500** 8300-0-0098 1



Audio outdoor station, 4gang
Front plate made of 3 mm stainless steel, surface is brushed
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-681-500.
For surface-mounted installation with 83402 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 29 mm

NEW

660 stainless steel **83102/4-660-500** 8300-0-0284 1



Audio outdoor station, 6gang
Front plate made of 3 mm stainless steel, surface is brushed
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-681-500.
For surface-mounted installation with 83402 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 29 mm

NEW

660 stainless steel **83102/6-660-500** 8300-0-0285 1



Audio outdoor station, 10gang
Front plate made of 3 mm stainless steel, surface is brushed
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83404 U-681-500.
For surface-mounted installation with 83404 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 235 mm x 29 mm

NEW

660 stainless steel **83105/10-660-500** 8300-0-0286 1

Product Article-No. Order-No. Pack/Qty



Audio outdoor station, 15gang
Front plate made of 3 mm stainless steel, surface is brushed
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83404 U-681-500.
For surface-mounted installation with 83404 AP-681-500.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 235 mm x 29 mm

NEW

660 stainless steel **83105/15-660-500** 8300-0-0287 1



Video outdoor station, 1gang
Front plate made of 3 mm steel, surface is coated white
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Communication unit and key module are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-689-500.
For surface-mounted installation with 83402 AP-689-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 43 mm

NEW

664 studio white matt **83121/1-664-500** 8300-0-0091 1



Video outdoor station, 2gang
Front plate made of 3 mm steel, surface is coated white
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-689-500.
For surface-mounted installation with 83402 AP-689-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 43 mm

NEW


664 studio white matt **83121/2-664-500** 8300-0-0092 1



Video outdoor station, 3gang
Front plate made of 3 mm steel, surface is coated white
Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots.
Hands-free device and key modules are backlit.
Stamped labelling foil is enclosed.
Mounting tool is enclosed.
For flush-mounted installation with 83402 U-689-500.
For surface-mounted installation with 83402 AP-689-500.
Vertical/horizontal detection angle: 86°/67°
Setting angle horizontal/vertical: +/-15°, mechanically adjustable
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 277 mm x 135 mm x 43 mm

NEW

664 studio white matt **83121/3-664-500** 8300-0-0093 1

Product	Article-No.	Order-No.	Pack/Qty
	Video outdoor station, 4gang Front plate made of 3 mm steel, surface is coated white Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots. Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83403 U-689-500. For surface-mounted installation with 83403 AP-689-500. Vertical/horizontal detection angle: 86°/67° Setting angle horizontal/vertical: +/-15°, mechanically adjustable Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 349 mm x 135 mm x 43 mm		


NEW

664 studio white matt **83122/4-664-500** 8300-0-0280 1/5

	Video outdoor station, 6gang Front plate made of 3 mm steel, surface is coated white Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots. Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83403 U-689-500. For surface-mounted installation with 83403 AP-689-500. Vertical/horizontal detection angle: 86°/67° Setting angle horizontal/vertical: +/-15°, mechanically adjustable Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 349 mm x 135 mm x 43 mm		
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NEW

664 studio white matt **83122/6-664-500** 8300-0-0281 1/5

	Video outdoor station, 8gang Front plate made of 3 mm steel, surface is coated white Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots. Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83404 U-689-500. For surface-mounted installation with 83404 AP-689-500. Vertical/horizontal detection angle: 86°/67° Setting angle horizontal/vertical: +/-15°, mechanically adjustable Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 277 mm x 235 mm x 43 mm		
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NEW

664 studio white matt **83124/8-664-500** 8300-0-0282 1

	Video outdoor station, 12gang Front plate made of 3 mm steel, surface is coated white Video camera with automatic day/night switchover and infrared LEDs to illuminate the night shots. Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83404 U-689-500. For surface-mounted installation with 83404 AP-689-500. Vertical/horizontal detection angle: 86°/67° Setting angle horizontal/vertical: +/-15°, mechanically adjustable Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 277 mm x 235 mm x 43 mm		
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NEW

664 studio white matt **83124/12-664-500** 8300-0-0283 1

Product	Article-No.	Order-No.	Pack/Qty
	Audio outdoor station, 1gang Front plate made of 3 mm steel, surface is coated white Communication unit and key module are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83401 U-689-500. For surface-mounted installation with 83401 AP-689-500. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 205 mm x 135 mm x 29 mm		

NEW

664 studio white matt **83101/1-664-500** 8300-0-0086 1

	Audio outdoor station, 2gang Front plate made of 3 mm steel, surface is coated white Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83401 U-689-500. For surface-mounted installation with 83401 AP-689-500. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 205 mm x 135 mm x 29 mm		
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NEW

664 studio white matt **83101/2-664-500** 8300-0-0087 1

	Audio outdoor station, 3gang Front plate made of 3 mm steel, surface is coated white Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83401 U-689-500. For surface-mounted installation with 83401 AP-689-500. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 205 mm x 135 mm x 29 mm		
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NEW

664 studio white matt **83101/3-664-500** 8300-0-0088 1

	Audio outdoor station, 4gang Front plate made of 3 mm steel, surface is coated white Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83402 U-689-500. For surface-mounted installation with 83402 AP-689-500. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 277 mm x 135 mm x 29 mm		
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NEW

664 studio white matt **83102/4-664-500** 8300-0-0276 1

	Audio outdoor station, 6gang Front plate made of 3 mm steel, surface is coated white Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83402 U-689-500. For surface-mounted installation with 83402 AP-689-500. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 277 mm x 135 mm x 29 mm		
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NEW

664 studio white matt **83102/6-664-500** 8300-0-0277 1

	Audio outdoor station, 10gang Front plate made of 3 mm steel, surface is coated white Hands-free device and key modules are backlit. Stamped labelling foil is enclosed. Mounting tool is enclosed. For flush-mounted installation with 83404 U-689-500. For surface-mounted installation with 83404 AP-689-500. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 277 mm x 235 mm x 29 mm		
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NEW

664 studio white matt **83105/10-664-500** 8300-0-0278 1

Product	Article-No.	Order-No.	Pack/Qty
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Audio outdoor station, 15gang
Front plate made of 3 mm steel, surface is coated white
 Hands-free device and key modules are backlit.
 Stamped labelling foil is enclosed.
 Mounting tool is enclosed.
 For flush-mounted installation with 83404 U-689-500.
 For surface-mounted installation with 83404 AP-689-500.
 Protection class (Device): IP 44
 Temperature range (Device): -25 °C to 55 °C
 Dimensions: (L x W x D): 277 mm x 235 mm x 29 mm

NEW

664 studio white matt	83105/15-664-500	8300-0-0279	1
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Product	Article-No.	Order-No.	Pack/Qty
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ABB-WelcomeTouch
Video indoor station with with 17.8 cm (7") touch display
 Display of the video image of the outdoor station. During the conversation a picture of the visitor can be taken and stored in the picture memory.
 For door calls during absence three pictures of the visitor are automatically stored in the picture memory.
 With hands-free function, volume is adjustable.
 Easy operation keys for door openers, mute function and light.
 Different bell sounds are adjustable for door and floor ringing; five polyphone bell sounds are available.
 Volume of bell sounds is adjustable.
 For surface mounting.
 SD card slot for extension of the picture memory.
 Display size: 17,8 cm (7")
 Display resolution: 800 x 480
 Protection class (Device): IP 30
 Temperature range (Device): -5 °C to 40 °C
 Dimensions: (L x W x D): 155 mm x 218 mm x 29 mm

NEW

624 studio white matt	83220 AP-624-500	8300-0-0083	1
681 anthracite matt	83220 AP-681-500	8300-0-0084	1
683 aluminium silver	83220 AP-683-500	8300-0-0085	1




Indoor audio station with handset
 Volume of the handset is adjustable.
 Easy operation keys for door openers, mute function and light.
 Different bell sounds are adjustable for door and floor ringing; five polyphone bell sounds are available.
 Volume of bell sounds is adjustable.
 For surface mounting.
 Protection class (Device): IP 30
 Temperature range (Device): -5 °C to 40 °C
 Dimensions: (L x W x D): 198 mm x 81 mm x 38 mm

NEW


624 studio white matt	83205 AP-624-500	8300-0-0080	1
681 anthracite matt	83205 AP-681-500	8300-0-0081	1
683 aluminium silver	83205 AP-683-500	8300-0-0082	1



Product	Article-No.	Order-No.	Pack/Qty
	<p>Audio indoor station with display For integrating in Busch-Jaeger switch ranges Illuminated monochrome display for indicating the most important functions (e.g. bells, conversation, mute) and programming menu. With hands-free function, volume is adjustable. Easy operation keys for door openers, mute function and light. Different bell sounds are adjustable for door and floor ringing; five polyphone bell sounds are available. Volume of bell sounds is adjustable. For flush-mounted installation in two flush-mounted sockets. Display size: 3,8 cm (1,5") Protection class (Device): IP 30 Temperature range (Device): -5 °C to 40 °C</p>		

NEW

83200 U-500	8300-0-0218	1
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	<p>Cover plates For indoor audio station with display. Protection class (Device): IP 30 Temperature range (Device): -5 °C to 40 °C</p>		
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Busch-Duro 2000® SI

NEW

212 white	83260-212-500	8300-0-0222	1/18
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Reflex SI

NEW

214 alpine white	83260-214-500	8300-0-0223	1/18
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future® linear

NEW

81 anthracite	83260-81-500	8300-0-0220	1/18
83 aluminium silver	83260-83-500	8300-0-0221	1/18
84 davos/studio white	83260-84-500	8300-0-0219	1/18

solo®

NEW

84 davos/studio white	83260-84-500	8300-0-0219	1/18
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Busch-axcent®


NEW

84 davos/studio white	83260-84-500	8300-0-0219	1/18
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carat®


NEW

84 davos/studio white	83260-84-500	8300-0-0219	1/18
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Product	Article-No.	Order-No.	Pack/Qty
	<p>System controller, MDRC Supply device and controller of the ABB-Welcome system. For connecting the indoor and outdoor busline. With output for electrical door opener for 12V~, 1,6A or potential-free output 30V, 3A. With output to control hall light directly or via relais (230V, 3A). Switching time duration of the door opener and the light is adjustable. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 28 V Rated frequency: 50 Hz/60 Hz Rated power: 42 W Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 65 mm Module width: 12 MW</p>		


NEW

83300-500	8300-0-0125	1
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	<p>Auxiliary power supply, MDRC Additional supply device of the ABB-Welcome system to increase the number of connectable indoor stations. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 28 V Rated frequency: 50 Hz/60 Hz Rated power: 28 W Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 65 mm Module width: 8 MW</p>		
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NEW

83310-500	8300-0-0126	1
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	<p>Switch actuator, door/light, MDRC To control an additional electrical door opener or additional hall light directly or via potential-free output 230V, 3A. Assignment to an outdoor station is adjustable. Switching time adjustable: for door opener 1 sec to 10 sec; for light outputs 1 sec to 5 min. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 65 mm Module width: 4 MW</p>		
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NEW


83330-500	8300-0-0123	1/10
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Bell transformer, 12 V AC 1.3 A, MDRC 1)

Power supply for an electric door opener.
 4 V~, 1.3 A, 8 VA
 8 V~, 1.3 A, 12 VA
 12 V~, 1.3 A, 16 VA
 Rated voltage: 230 V~
 Rated frequency: 50 Hz
 Protection class (Device): IP 20
 Dimensions: (L x W x D): 90 mm x 36 mm x 65 mm
 Module width: 2 MW


TS 16/4-8-12	2CSM 161 021 R0811
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1) without picture


	<p>IP gateway for Busch-ComfortTouch®, MDRC For connecting the Busch-ComfortTouch® to a ABB-Welcome system. Ethernet connection (RJ 45). Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 180 mm x 65 mm Module width: 10 MW</p>		
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NEW

83340-500	8300-0-0127	1
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Product	Article-No.	Order-No.	Pack/Qty
	NEW 83320/2-500	8300-0-0120	1/18

Video indoor distributor, MDRC
For the distribution of the video signal with line junctions (e.g. in a riser mains).
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 36 mm x 65 mm
Module width: 2 MW


Product	Article-No.	Order-No.	Pack/Qty
	NEW 83401 U-681-500 83401 U-689-500	8300-0-0248 8300-0-0244	1 1

Flush-mounted wall box, size 1/2
For flush-mounted installation of ABB-Welcome outdoor station.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 203 mm x 133 mm x 46 mm

681 anthracite
689 light grey

	NEW 83320/2 U-500	8300-0-0121	1/18
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Video indoor distributor, flush-mounted for mounting in flush-mounted wall box.
For the distribution of the video signal with line junctions (e.g. in a riser mains).
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 45 mm x 53 mm x 20 mm


	NEW 83402 U-681-500 83402 U-689-500	8300-0-0249 8300-0-0245	1 1
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Flush-mounted wall box, size 1/3
For flush-mounted installation of ABB-Welcome outdoor station.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 275 mm x 133 mm x 46 mm

681 anthracite
689 light grey

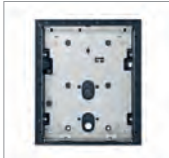
	NEW 83325/2-500	8300-0-0122	1/18
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Video outdoor distributor, MDRC
For connecting several video outdoor stations to the system controller.
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 36 mm x 65 mm
Module width: 2 MW

	NEW 83403 U-681-500 83403 U-689-500	8300-0-0250 8300-0-0246	1 1
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Flush-mounted wall box, size 1/4
For flush-mounted installation of ABB-Welcome outdoor station.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 347 mm x 133 mm x 46 mm

681 anthracite
689 light grey

	NEW 83404 U-681-500 83404 U-689-500	8300-0-0251 8300-0-0247	1 1
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Flush-mounted installation socket, size 2/3
For flush-mounted installation of ABB-Welcome outdoor station.
Protection class (Device): IP 44
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 275 mm x 233 mm x 46 mm

681 anthracite
689 light grey

	NEW 83511-500	8300-0-0309	1/18
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Cavity wall set
For cavity wall mounting of the flush-mounted wall boxes.

	NEW 83541-500	8300-0-0316	
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Mounting accessory, size 1/x 1)
As placeholder during plastering.
For flush-mounted wall boxes 133 mm wide; the height of the plaster aid can be adapted.


1) without picture


	NEW 83542-500	8300-0-0317	
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Mounting accessory, size 2/x 1)
As placeholder during plastering.
For flush-mounted wall boxes 233 mm wide.


1) without picture





Product	Article-No.	Order-No.	Pack/Qty
	Surface-mounted wall box, size 1/2 For surface-mounted installation of ABB-Welcome outdoor station. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 203 mm x 133 mm x 31 mm		
	NEW		
681 anthracite	83401 AP-681-500	8300-0-0116	1
689 light grey	83401 AP-689-500	8300-0-0112	1


	Surface-mounted wall box, size 1/3 For surface-mounted installation of ABB-Welcome outdoor station. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 275 mm x 133 mm x 31 mm		
	NEW		
681 anthracite matt	83402 AP-681-500	8300-0-0117	1
689 light grey	83402 AP-689-500	8300-0-0113	1

	Surface-mounted wall box, size 1/4 For surface-mounted installation of ABB-Welcome outdoor station. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 347 mm x 133 mm x 31 mm		
	NEW		
681 anthracite	83403 AP-681-500	8300-0-0118	1
689 light grey	83403 AP-689-500	8300-0-0114	1

	Surface-mounted wall box, size 2/3 For surface-mounted installation of ABB-Welcome outdoor station. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 275 mm x 233 mm x 31 mm		
	NEW		
681 anthracite	83404 AP-681-500	8300-0-0119	1
689 light grey	83404 AP-689-500	8300-0-0115	1


	Labelling sheet DIN A4		
	NEW		
	1799/01-500	8300-0-0312	

Product	Article-No.	Order-No.	Pack/Qty
	Base call button module, 1gang Spare part Spare part for the outdoor station. Stamped labelling foil is enclosed. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C		
	NEW		
	83140/1-500	8300-0-0106	1


	Base call button module, 2gang Spare part Spare part for the outdoor station. Stamped labelling foil is enclosed. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C		
	NEW		
	83140/2-500	8300-0-0107	1

	Base call button module, 3gang Spare part Spare part for the outdoor station. Stamped labelling foil is enclosed. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C		
	NEW		
	83140/3-500	8300-0-0108	1

	Auxiliary call button module, 1gang Spare part Spare part for the outdoor station. Stamped labelling foil is enclosed. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C		
	NEW		
	83141/1-500	8300-0-0109	1


	Auxiliary call button module, 2gang Spare part Spare part for the outdoor station. Stamped labelling foil is enclosed. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C		
	NEW		
	83141/2-500	8300-0-0110	1


	Auxiliary call button module, 3gang Spare part Spare part for the outdoor station. Stamped labelling foil is enclosed. Protection class (Device): IP 44 Temperature range (Device): -25 °C to 55 °C		
	NEW		
	83141/3-500	8300-0-0111	1


Product	Article-No.	Order-No.	Pack/Qty
	Audio module Spare part Spare part for the outdoor station. Temperature range (Device): -25 °C to 55 °C		
	NEW 83500-500	8300-0-0232	1

Product	Article-No.	Order-No.	Pack/Qty
Sealing strip ¹⁾ Spare part Spare part for the outdoor station. Temperature range (Device): -25 °C to 55 °C			
	NEW 83530-500	8300-0-0134	1/9

1) without picture


	Camera module Spare part Spare part for the outdoor station. Vertical/horizontal detection angle: 86°/67° Setting angle horizontal/vertical: +/-15°, mechanically adjustable Temperature range (Device): -25 °C to 55 °C		
	NEW 83501-500	8300-0-0233	1

	Mounting tool Spare part Spare part for the outdoor station.		
	NEW 83510-500	8300-0-0129	1/90

	Handset Spare part Spare part for indoor audio station with handset. Temperature range (Device): -5 °C to 45 °C		
	NEW		
624 studio white matt	83505-624-500	8300-0-0135	1/9
681 anthracite matt	83505-681-500	8300-0-0136	1/9
683 aluminium silver	83505-683-500	8300-0-0137	1/9

	End strip, size 1/x Spare part Spare part for the outdoor station. For outdoor stations 135 mm wide. Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 19 mm x 135 mm x 15 mm		
	NEW		
660 stainless steel	83531-660-500	8300-0-0130	1
664 studio white matt	83531-664-500	8300-0-0131	1

	End strip, size 2/x Spare part Spare part for the outdoor station. For outdoor stations 235 mm wide. Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 19 mm x 235 mm x 15 mm		
	NEW		
660 stainless steel	83532-660-500	8300-0-0132	1/20
664 studio white matt	83532-664-500	8300-0-0133	1/20

	Label holder Spare part Spare part for the outdoor station. Temperature range (Device): -25 °C to 55 °C		
	NEW 83161-500	8300-0-0211	1/18



Product	Article-No.	Order-No.	Pack/Qty
	<p>Audio compact set for One-family house 1) Indoor station to match the Reflex SI switch range in alpine white, outdoor station: studio white matt Consisting of audio outdoor station, 1gang 83101/1-664-500. Consisting of outdoor surface-mounted installation box 83401 AP-689-500. Consisting of indoor audio station with display 83200 U-500. Consisting of cover plates 83260-214-500. Consisting of system controller 83300-500. Consisting of 2gang frame 2512-214.</p> <p>NEW</p>	8300-0-0138	1

1) Technical data: see individual devices.

Product	Article-No.	Order-No.	Pack/Qty
	<p>Audio compact set for One-family house 1) Indoor station to match the future® linear switch range in davos/studio white, outdoor station: stainless steel Consisting of audio outdoor station, 1gang 83101/1-660-500. Consisting of outdoor surface-mounted installation box 83401 AP-681-500. Consisting of indoor audio station with display 83200 U-500. Consisting of cover plate 83260-84-500. Consisting of system controller 83300-500. Consisting of 2gang frame 1722-184K.</p> <p>NEW</p>	8300-0-0142	1

1) Technical data: see individual devices.

	<p>Audio compact set for Two-family house 1) Indoor station to match the Reflex SI switch range in alpine white, outdoor station: studio white matt Consisting of audio outdoor station, 2gang 83101/2-664-500. Consisting of outdoor surface-mounted installation box 83401 AP-689-500. Consisting of 2 x indoor audio station with display 83200 U-500. Consisting of 2 x cover plates 83260-214-500. Consisting of system controller 83300-500. Consisting of 2 x 2gang frame 2512-214.</p> <p>NEW</p>	8300-0-0139	1
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1) Technical data: see individual devices.

	<p>Audio compact set for Two-family house 1) Indoor station to match the future® linear switch range in davos/studio white, outdoor station: stainless steel Consisting of audio outdoor station, 2gang 83101/2-660-500. Consisting of outdoor surface-mounted installation box 83401 AP-681-500. Consisting of 2 x indoor audio station with display 83200 U-500. Consisting of 2 x cover plates 83260-84-500. Consisting of system controller 83300-500. Consisting of 2 x 2gang frame 1722-184K.</p> <p>NEW</p>	8300-0-0143	1
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1) Technical data: see individual devices.

	<p>Audio compact set for One-family house 1) Indoor station to match the future® linear switch range in davos/studio white, outdoor station: studio white matt Consisting of audio outdoor station, 1gang 83101/1-664-500. Consisting of outdoor surface-mounted installation box 83401 AP-689-500. Consisting of indoor audio station with display 83200 U-500. Consisting of cover plates 83260-84-500. Consisting of system controller 83300-500. Consisting of 2gang frame 1722-184K.</p> <p>NEW</p>	8300-0-0140	1
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1) Technical data: see individual devices.

	<p>Audio compact set for One-family house 1) Indoor station with handset in studio white matt, outdoor station: studio white matt Consisting of audio outdoor station, 1gang 83101/1-664-500. Consisting of outdoor surface-mounted installation box 83401 AP-689-500. Consisting of indoor audio station with handset 83205 AP-624-500. Consisting of system controller 83300-500.</p> <p>NEW</p>	8300-0-0144	1
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1) Technical data: see individual devices.

	<p>Audio compact set for Two-family house 1) Indoor station to match the future® linear switch range in davos/studio white, outdoor station: studio white matt Consisting of audio outdoor station, 2gang 83101/2-664-500. Consisting of outdoor surface-mounted installation box 83401 AP-689-500. Consisting of 2 x indoor audio station with display 83200 U-500. Consisting of 2 x cover plates 83260-84-500. Consisting of system controller 83300-500. Consisting of 2 x 2gang frame 1722-184K.</p> <p>NEW</p>	8300-0-0141	1
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1) Technical data: see individual devices.


	<p>Audio compact set for Two-family house 1) Indoor station with handset in studio white matt, outdoor station: studio white matt Consisting of audio outdoor station, 2gang 83101/2-664-500. Consisting of outdoor surface-mounted installation box 83401 AP-689-500. Consisting of 2 x indoor audio station with handset 83205 AP-624-500. Consisting of system controller 83300-500.</p> <p>NEW</p>	8300-0-0145	1
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1) Technical data: see individual devices.

Product	Article-No.	Order-No.	Pack/Qty
	NEW 83006/1-500	8300-0-0146	1


Audio compact set for One-family house ¹⁾
Indoor station with handset in studio white matt,
outdoor station: stainless steel
Consisting of audio outdoor station, 1gang
83101/1-660-500.
Consisting of outdoor surface-mounted installation box
83401 AP-681-500.
Consisting of indoor audio station with handset
83205 AP-624-500.
Consisting of system controller 83300-500.

1) Technical data: see individual devices.

Product	Article-No.	Order-No.	Pack/Qty
	NEW 83021/1-500	8300-0-0148	1

Video compact set for One-family house ¹⁾
ABB-WelcomeTouch in studio white matt, outdoor
station: studio white matt
Consisting of video outdoor station, 1gang
83121/1-664-500.
Consisting of outdoor surface-mounted installation box
83402 AP-689-500.
Consisting of ABB-WelcomeTouch 83220 AP-624-500.
Consisting of system controller 83300-500.

1) Technical data: see individual devices.

	NEW 83006/2-500	8300-0-0147	1
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Audio compact set for Two-family house ¹⁾
Indoor station with handset in studio white matt,
outdoor station: stainless steel
Consisting of audio outdoor station, 2gang
83101/2-660-500.
Consisting of outdoor surface-mounted installation box
83401 AP-681-500.
Consisting of 2 x indoor audio station with handset
83205 AP-624-500.
Consisting of system controller 83300-500.

1) Technical data: see individual devices.

	NEW 83021/2-500	8300-0-0149	1
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Video compact set for Two-family house ¹⁾
ABB-WelcomeTouch in studio white matt, outdoor
station: studio white matt
Consisting of video outdoor station, 2gang
83121/2-664-500.
Consisting of outdoor surface-mounted installation box
83402 AP-689-500.
Consisting of 2 x ABB-WelcomeTouch 83220 AP-624-500.
Consisting of system controller 83300-500.

1) Technical data: see individual devices.

	NEW 83022/1-500	8300-0-0150	1
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Video compact set for One-family house ¹⁾
ABB-WelcomeTouch in studio white matt, outdoor
station: stainless steel
Consisting of video outdoor station, 1gang
83121/1-660-500.
Consisting of outdoor surface-mounted installation box
83402 AP-681-500.
Consisting of ABB-WelcomeTouch 83220 AP-624-500.
Consisting of system controller 83300-500.

1) Technical data: see individual devices.

	NEW 83022/2-500	8300-0-0151	1
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Video compact set for Two-family house ¹⁾
ABB-WelcomeTouch in studio white matt, outdoor
station: stainless steel
Consisting of video outdoor station, 2gang
83121/2-660-500.
Consisting of outdoor surface-mounted installation box
83402 AP-681-500.
Consisting of 2 x ABB-WelcomeTouch 83220 AP-624-500.
Consisting of system controller 83300-500.

1) Technical data: see individual devices.



Blind management. The right amount of light and shade.

Sunlight is essential, but it can also dazzle, distract and even destroy. How can you let as much light as possible into the house or condo – but prevent glare or block dazzling light? It's easy! With modern, automatic blind control systems.



01



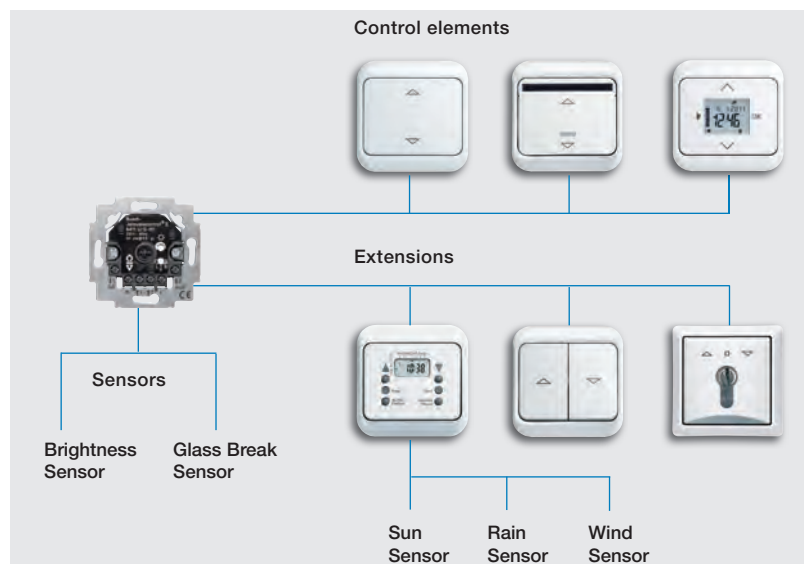
02



Blind management

- 01 Busch-Blind comfort switch.
Switch series alpha, with frame nea.
Colour: studio white.
- 02 Comfort timer control element.
Switch series alpha, with frame nea.
Colour: studio white.

Possible combinations of
Busch-Blind control II inserts



Blind switch	p. 374
Basic blind insert	p. 375
Standard timer control element	p. 378
Comfort timer control element	p. 380
Busch-Blind control II insert	p. 380
IR control element	p. 381
Isolating relay	p. 382
Busch-Wind and sun sensor insert	p. 383



As individual as the requirements of users.

Room for room at the press of a button, by remote control, some or all at once, time-controlled, dependent on light or wind. The possibilities to move blinds are as versatile as the life rhythm of their users.

01



The blind switches permit the operation of the blind or roller shutter in two different directions of movements through separate rockers.

02

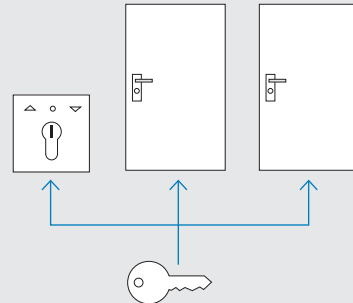


The mechanical rotary switch fulfils the same function as the blind switch with rockers.

03



The blind key switch prevents an unauthorised operation of the electrical drives. At home, it is suited as a "parental lock" and, at work, it prevents unauthorised persons



from gaining access. For security, the half cylinders of an existing locking system can be used. Additional keys are thus not required.

04



The IR control element for Busch-Blind control II allows on-site operation (like a mechanical control element) and also convenient operation via infrared remote control.

05



In addition to electrical motors the remote control can also operate lighting and other elements.

- 01 Blind switch
- 02 Rotary blind switch
- 03 Blind key switch
- 04 IR control element
- 05 IR remote control 6010-25, optional Beo6
- 06 Standard timer control element, 6456
- 07 Comfort timer control element, 6455
- 08 Busch-Wind and sun sensor insert, 6480 U-102

06



With the standard timer control element, roller shutters and blinds can be opened and closed manually and in a timed manner. Using the removable control

element, two switching times a day can be programmed with ease. In addition, the timer has a vacation function that varies the movement times by chance.

07



The Comfort timer control element offers even more: 2 raising and 2 lowering times a day and both roller shutters and blinds can be controlled using 6411 U/S-101 by sun and

glass break sensor. You can mix Astro and fixed time commands, e.g. for controlling outdoor lighting. In combination with dimmers, a number of possibilities is available.

08



Various sensors (wind, sun, and rain) can be connected to the Busch-wind and sun sensor insert (Weather Station), thus providing a pleasant room climate.

For more comfort and a safe feeling

If you do not initially want the greatest comfort possible, you can initially combine an insert with a simple control element. If automatic functions should be realised later, you only have to exchange the control unit.

In most cases, the Busch-basic blind insert does not require a neutral conductor (according to the electrical drive) and is thus best suited for retrofitting.

In addition to the manual control element, Busch-Blind control II is suited for technically sophisticated solutions like IR control or the Comfort timer.

In the special design (6411 U/S-101), glass break alarms and brightness sensors can also be connected.

Busch-Blind Basic Insert 6418 U



Busch-Blind control II Insert 6411 U-101



Busch-Blind control II Insert 6411 U/S-101



Brightness Sensor 6414-101

- 01 Busch blind comfort switch
- 02 Upper end position of blind
- 03 Intermediate position, closed 50%
- 04 Bottom end position of blind
- 05 Automatic mode



Standard timer control element 6456



Control element 6430-xxx-102



IR control element 6066-xxx-10x

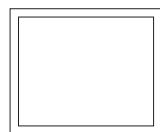
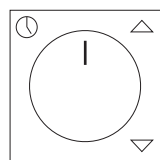


Comfort timer control element 6455

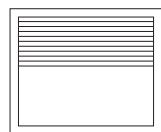
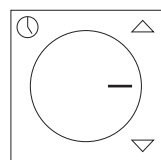
01



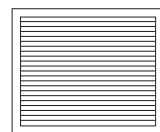
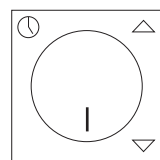
02



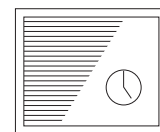
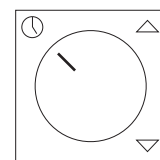
03



04



05












Here too the simplest operation has priority. The Busch-Blind comfort switch offers two intuitive controls: automatic mode and manual operation. In automatic mode the rotary switch must only be turned to the clock symbol. The roller blind now opens

and shuts automatically in a 24-hour cycle according to the programmed times. In manual operation the rotary switch is turned at 180 degrees between positions "top" and "bottom". If the mark on the rotary switch points upward, the roller blind

moves up. If the mark on the rotary switch points downward, the roller blind moves down. The roller blind moves automatically to the intermediate position set on the rotary knob, i.e. the roller blind stops by itself when the set position is reached. After each

completed movement the Busch-Blind comfort switch automatically determines the duration of movement. In this way the differences in movement times resulting from the aging of the roller blind are taken over.

Modular design of the blind inserts and control elements

Figure Control element									
Control element	1785 JA-xx	1740-xx	2557 SLPZ-212-101	6430-xxx-xxx	6066-xxx	6456	6455		
Designation Control element	Rocker switch for blind switch/ push-switch	Cover plate with rotary knob for blind switch/ push-switch	Cover plate for profile half cylinder- touch latching switch/ push-switch	Control element	IR control element illuminated	Standard timer control element	Comfort timer control element	Control element included in the scope of supply	
Flush-mounted insert	2000/4 US 2020/4 US	2713 U 2723 U	2713 USL-101 2723 USL-101	6411 U-101 6411 U/S-101 6418 U	6411 U-101 6411 U/S-101	6418 U	6411 U-101 6411 U/S-101	6480 U-102	6419 U
Designation Flush-mounted insert	Blind switch/ push-switch insert	Blind switch/ push-switch insert, rotary knob	Blind switch/ push-switch insert, Profile half cylinder	Busch-Blind control II insert Busch-basic blind insert	Busch-Blind Control II insert	Busch-basic blind insert	Busch-Blind control II insert	Busch-wind and sun sensor insert	Comfort blinds insert
Function	Local operation	X	X	X	X	X	X	X	X
	Extension unit input			X (only 6411 U-101/ 6411 U/S-101)	X		X		
	Party function			X (only 6411 U-101/ 6411 U/S-101)	X				
	IR reception				X				
Timer	24-hour rhythm					X	X		X
	Block/Individual control times					X	X		X
	Astro function					X	X		
Sensor	Integrated temperature sensor							X	
	Brightness sensor (sun-dependent control)			6414 (only 6411 U/S-101)	6414 (only 6411 U/S-101)		6414 (only 6411 U/S-101)	6482	
	Brightness sensor (sun-dependent control)						6414 (only 6411 U/S-101)		
	Glass break alarm			6413 (only 6411 U/S-101)	6413 (only 6411 U/S-101)		6413 (only 6411 U/S-101)		
	Wind sensor							6481-102	
	Rain sensor							See catalogue	
X= Combination possible									

Product	Article-No.	Order-No.	Pack/Qty
	Blind switch insert 1) With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	SP, switch 2000/4 US	1012-0-1309	10/100
	SP, push switch 2020/4 US	1413-0-0590	10/100

1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

	Blind switch insert 1) With rotary knob/switch and push switch. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1, British Standard EN 60669-1		
	DP 2) 2712 U	1101-0-0534	10
	SP, N, E 3) 2713 U	1101-0-0542	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for controlling direct voltage drives.
3) Also suitable for DC drives.

	Blind switch insert 1) 2) With rotary knob/push button. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
	DP 2722 U	1101-0-0559	10
	SP, N, E 2723 U	1101-0-0567	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.

	Blind Switch/ Push Switch 1) 2) 3) 4) For profile semi-cylindrical lock/switch and push switch. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	DP 5) 2712 USL-101	1101-0-0872	10
	SP, N, E 6) 2713 USL-101	1101-0-0880	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) See semi-cylindrical lock.
5) Also suitable for controlling direct voltage drives.
6) Also suitable for DC drives.

	Blind switch insert 1) 2) 3) For profile semi-cylindrical lock/push button. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 A British Standard EN 60669-1, IEC60669-1		
	DP 4) 2722 USL-101	1101-0-0898	10
	SP, N, E 2723 USL-101	1101-0-0906	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See semi-cylindrical lock.
4) Also suitable for controlling direct voltage drives.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	Busch-Duro 2000® SI		
212 white	2504-212	1713-0-0155	10/100
214 alpine white	Reflex SI 2504-214	1713-0-0163	10/100

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	Busch-Duro 2000® SI		
212 white	2542 DR-212	1753-0-0599	10
214 alpine white	Reflex SI 2542 DR-214	1753-0-2264	10


	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
	Busch-Duro 2000® SI		
212 white	2557 PZ-212-101	1710-0-1332	10
214 alpine white	Reflex SI 2557 PZ-214-101	1710-0-1415	10

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	Busch-Duro 2000® SI		
212 white	2542 JDR-212	1753-0-0615	10
214 alpine white	Reflex SI 2542 JDR-214	1753-0-2462	10


	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	<i>alpha</i>		
20 platinum 1)	1785 JA-20	1751-0-1823	10
21 bronze 1)	1785 JA-21	1751-0-1831	10
22G ivory	1785 JA-22G	1751-0-2581	10
24 studio white matt	1785 JA-24	1751-0-1922	10
24G studio white	1785 JA-24G	1751-0-2128	10
260 palladium 1)	1785 JA-260	1751-0-2831	10/100
266 titanium 1)	1785 JA-266	1751-0-2842	10/100

1) Real metal surface.




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	<i>alpha</i>		
20 platinum ¹⁾	1740 DR-20	1753-0-1092	10
21 bronze ¹⁾	1740 DR-21	1753-0-1175	10
22G ivory	1740 DR-22G	1710-0-2330	10
24 studio white matt	1740 DR-24	1753-0-1555	10
24G studio white	1740 DR-24G	1753-0-7263	10
260 palladium ¹⁾	1740 DR-260	1710-0-3302	10
266 titanium ¹⁾	1740 DR-266	1710-0-3328	10


1) Surface painted.

	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/ push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
	<i>alpha</i>		
20 platinum ¹⁾	1755 PZ-20-101	1710-0-1498	10
21 bronze ¹⁾	1755 PZ-21-101	1710-0-1506	10
22G ivory	1755 PZ-22G-101	1710-0-2348	10
24 studio white matt	1755 PZ-24-101	1710-0-1514	10
24G studio white	1755 PZ-24G-101	1710-0-1522	10
260 palladium ¹⁾	1755 PZ-260-101	1710-0-3303	10
266 titanium ¹⁾	1755 PZ-266-101	1710-0-3329	10

1) Real metal surface.

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	<i>impuls</i>		
72 ivory	1740 DR-72	1753-0-0032	10
74 alpine white	1740 DR-74	1753-0-4864	10
79 champagne metallic ¹⁾	1740 DR-79	1753-0-5341	10
774 studio white matt ¹⁾	1740 DR-774	1753-0-0164	10
775 black matt ¹⁾	1740 DR-775	1753-0-0136	10
777 blackberry ¹⁾	1740 DR-777	1753-0-0106	10
783 aluminium silver ¹⁾	1740 DR-783	1753-0-0033	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	<i>future® linear</i>		
81 anthracite	1785 JA-81	1751-0-2934	10
82 savanna/ ivory white	1785 JA-82	1751-0-2748	10
83 aluminium silver ¹⁾	1785 JA-83	1751-0-2944	10/100
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
884 studio white matt ¹⁾	1785 JA-884	1751-0-3022	10
885 black matt ¹⁾	1785 JA-885	1751-0-3036	10

solo®

82 savanna/ ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
87 toscana/purple ¹⁾	1785 JA-87	1751-0-2780	10
803 meteor/ grey metallic ¹⁾	1785 JA-803	1751-0-3020	10
815 sahara/yellow	1785 JA-815	1751-0-3011	10

Busch-axcent®

84 davos/studio white	1785 JA-84	1751-0-2756	10/100
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carat®


81 anthracite	1785 JA-81	1751-0-2934	10
82 savanna/ ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100

pure stainless steel

866 stainless steel	1785 JA-866	1751-0-2964	10
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1) Surface painted.

*) Phase-out type

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	<i>future® linear</i>		
81 anthracite	1740-81	1710-0-3623	10
82 savanna/ ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
83 aluminium silver ¹⁾	1740-83	1710-0-3661	10
884 studio white matt ¹⁾	1740-884	1710-0-3872	10
885 black matt ¹⁾	1740-885	1710-0-3894	10

solo®

82 savanna/ ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
87 toscana/purple ¹⁾	1740-87	1710-0-3226	10
803 meteor/ grey metallic ¹⁾	1740-803	1710-0-3840	10
815 sahara/yellow	1740-815	1710-0-3820	10

Busch-axcent®

84 davos/studio white	1740-84	1710-0-3172	10/100
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carat®


81 anthracite	1740-81	1710-0-3623	10
82 savanna/ ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100

pure stainless steel


866 stainless steel	1740-866	1710-0-3748	10
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1) Surface painted.

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ with labelling field. with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
	future® linear		
81 anthracite	1755 SL/PZ-81-101	1710-0-3626	10
82 savanna/ ivory white	1755 SL/PZ-82-101	1710-0-3157	10
83 aluminium silver ²⁾	1755 SL/PZ-83-101	1710-0-3662	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
884 studio white matt ²⁾	1755 SL/PZ-884-101	1710-0-3925	10
885 black matt ²⁾	1755 SL/PZ-885-101	1710-0-3902	10
	solo®		
82 savanna/ ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
87 toscana/purple ¹⁾	1755 SL/PZ-87-101	1710-0-3229	10
803 meteor/ grey metallic ²⁾	1755 SL/PZ-803-101	1710-0-3841	10
815 sahara/yellow	1755 SL/PZ-815-101	1710-0-3821	10
	Busch-axcent®		
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
	carat®		
81 anthracite	1755 SL/PZ-81-101	1710-0-3626	10
82 savanna/ ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
	pure stainless steel		
866 stainless steel	1755 SL/PZ-866-101	1710-0-3749	10


1) Refer to marking plate 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Comfort Blind insert ¹⁾ ²⁾ ³⁾ With memory and positioning function. For the manual and automatic control of roller blinds. The roller blind moves to the position set using the turn knob. Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm. Suitable for roller blind drives with mechanical or electronic end switch. Suitable for operation without neutral conductor. Without an extension input. Power reserve of 45 minutes (maintenance-free as capacitor). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 1.3 A, cos 0.5 Rated power: 300 VA Temperature range (Device): 0 °C to 35 °C		
	6419 U	6410-0-0390	1/10


1) Pertinent cover plates 6436-xx.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.
3) Only suitable for single unit control.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob For comfort blinds insert 6419 U. Busch-Duro 2000® SI		
212 white	6436-212	6430-0-0354	10
	Reflex SI		
214 alpine white	6436-214	6430-0-0355	10

1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob For comfort blinds insert 6419 U. <i>alpha</i>		
20 platinum ²⁾	6436-20	6430-0-0365	10
21 bronze ²⁾	6436-21	6430-0-0366	10
22G ivory	6436-22G	6430-0-0368	10
24 studio white matt	6436-24	6430-0-0367	10
24G studio white	6436-24G	6430-0-0369	10
260 palladium ²⁾	6436-260	6430-0-0370	10
266 titanium ²⁾	6436-266	6430-0-0371	10

1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ ²⁾ ³⁾ With rotary knob For comfort blinds insert 6419 U. <i>impuls</i>		
72 ivory	6436-72	6430-0-0372	10
74 alpine white	6436-74	6430-0-0373	10
79 champagne metallic ⁴⁾	6436-79	6430-0-0374	10
774 studio white matt ⁴⁾	6436-774	6430-0-0377	10
775 black matt ⁴⁾	6436-775	6430-0-0378	10
777 blackberry ⁴⁾	6436-777	6430-0-0375	10
783 aluminium silver ⁴⁾	6436-783	6430-0-0376	10

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) N-conductor connection required for operation with control cover 6430-7x, illuminated.
3) Replacement neon lamp 3856.
4) Surface painted.




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob For comfort blinds insert 6419 U.		
	future® linear		
81 anthracite	6436-81	6430-0-0387	10
82 savanna/ ivory white	6436-82	6430-0-0356	10
83 aluminium silver ²⁾	6436-83	6430-0-0357	10
84 davos/studio white	6436-84	6430-0-0358	10
884 studio white matt ²⁾	6436-884	6430-0-0363	10
885 black matt ²⁾	6436-885	6430-0-0364	10
	solo®		
82 savanna/ ivory white	6436-82	6430-0-0356	10
84 davos/studio white	6436-84	6430-0-0358	10
87 toscana/purple ¹⁾	6436-87	6430-0-0359	10
803 meteor/ grey metallic ²⁾	6436-803	6430-0-0360	10
815 sahara/yellow	6436-815	6430-0-0361	10
	Busch-axcent®		
84 davos/studio white	6436-84	6430-0-0358	10
	carat®		
82 savanna/ ivory white	6436-82	6430-0-0356	10
84 davos/studio white	6436-84	6430-0-0358	10
	pure stainless steel ²⁾		
866 stainless steel	6436-866	6430-0-0362	10


1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
 2) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Basic blinds insert ¹⁾ ²⁾ Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off. Suitable for operation without neutral conductor. Without an extension input. For control cover 6430-xx-xxx. For Standard timer control element 6456. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6418 U-500	6410-0-0376	1/10


1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
 2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.


Product	Article-No.	Order-No.	Pack/Qty
	Capacitor set ¹⁾ For the power supply of the Busch Blind Control II inserts 6418 U and 6419 U if they cannot be sufficiently supplied with power (current) by the motor and no neutral conductor can be connected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Temperature range (Device): -25 °C to 50 °C		
	6498	6410-0-0383	1/10

1) The capacitor set is installed between the control lines (UP / DOWN) and the neutral conductor.


Product	Article-No.	Order-No.	Pack/Qty
	Standard timer control element ¹⁾ For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6456	6410-0-0374	1/10

1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. Busch-Duro 2000® SI		
212 white	6430-212-102	6430-0-0313	1/10
	Reflex SI		
214 alpine white	6430-214-102	6430-0-0314	1/10


Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>alpha</i>		
20 platinum ¹⁾	6430-20-102	6430-0-0319	1/10
21 bronze ¹⁾	6430-21-102	6430-0-0320	1/10
22G ivory	6430-22G-102	6430-0-0321	1/10
24 studio white matt	6430-24-102	6430-0-0322	1/10
24G studio white	6430-24G-102	6430-0-0323	1/10
260 palladium ¹⁾	6430-260-102	6430-0-0317	1/10
266 titanium ¹⁾	6430-266-102	6430-0-0318	1/10


1) Real metal surface.


Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>impuls</i>		
72 ivory	6430-72	6430-0-0337	1
74 alpine white	6430-74	6430-0-0144	1
79 champagne metallic ²⁾	6430-79	6430-0-0177	1
774 studio white matt ²⁾	6430-774	6430-0-0379	1
775 black matt ²⁾	6430-775	6430-0-0381	1
777 blackberry ²⁾	6430-777	6430-0-0346	1
783 aluminium silver ²⁾	6430-783	6430-0-0338	1

1) Replacement neon lamp 3857.
 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. future® linear		
81 anthracite	6430-81-102	6430-0-0326	1/10
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
83 aluminium silver ¹⁾	6430-83-102	6430-0-0328	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
884 studio white matt ¹⁾	6430-884-102	6430-0-0385	1/10
885 black matt ¹⁾	6430-885-102	6430-0-0386	1/10
	solo®		
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
87 toscana/purple ²⁾	6430-87-102	6430-0-0332	1/10
803 meteor/ grey metallic ¹⁾	6430-803-102	6430-0-0350	1/10
815 sahara/yellow	6430-815-102	6430-0-0348	1/10
	Busch-axcent®		
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	carat®		
81 anthracite	6430-81-102	6430-0-0326	1/10
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	pure stainless steel		
866 stainless steel	6430-866-102	6430-0-0343	1/10
	¹⁾ Surface painted. ²⁾ Phase-out type		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. Busch-Duro 2000® SI		
212 white	6435-212	6430-0-0285	10/100
	Reflex SI		
214 alpine white	6435-214	6430-0-0286	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. alpha		
20 platinum ¹⁾	6435-20	6430-0-0291	10
21 bronze ¹⁾	6435-21	6430-0-0292	10
22G ivory	6435-22G	6430-0-0293	10
24 studio white matt	6435-24	6430-0-0294	10/100
24G studio white	6435-24G	6430-0-0295	10
260 palladium ¹⁾	6435-260	6430-0-0289	10
266 titanium ¹⁾	6435-266	6430-0-0290	10
	¹⁾ Surface painted.		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. impuls		
72 ivory	6435-72	6430-0-0341	10
74 alpine white	6435-74	6430-0-0300	10
79 champagne metallic ¹⁾	6435-79	6430-0-0302	10
774 studio white matt ¹⁾	6435-774	6430-0-0380	10
775 black matt ¹⁾	6435-775	6430-0-0382	10
777 blackberry ¹⁾	6435-777	6430-0-0347	10/10
783 aluminium silver ¹⁾	6435-783	6430-0-0342	10
	¹⁾ Surface painted.		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. future® linear		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
83 aluminium silver ¹⁾	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
884 studio white matt ¹⁾	6435-884	6430-0-0388	10
	6435-885	6430-0-0389	10
	solo®		
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
87 toscana/purple ²⁾	6435-87	6430-0-0309	10
803 meteor/ grey metallic ¹⁾	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10
	Busch-axcent®		
84 davos/studio white	6435-84	6430-0-0306	10
	carat®		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
	pure stainless steel ¹⁾		
866 stainless steel	6435-866	6430-0-0344	10
	¹⁾ Surface painted. ²⁾ Phase-out type		



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-101	6410-0-0377	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Light sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-101	6410-0-0389	1/10

	Burglar alert sensor For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	10


Product	Article-No.	Order-No.	Pack/Qty
	Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. In combination with Busch-Universal-dimmer insert 6593 U or Busch-Memory touch-type controller 6550 U-101 brightness can be set individually for each switching time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C		
	6455-500	6410-0-0373	1/10

1) See respective cover plates 6435-xx.

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. Busch-Duro 2000® SI		
212 white	6430-212-102	6430-0-0313	1/10
214 alpine white	6430-214-102	6430-0-0314	1/10

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>alpha</i>		
20 platinum 1)	6430-20-102	6430-0-0319	1/10
21 bronze 1)	6430-21-102	6430-0-0320	1/10
22G ivory	6430-22G-102	6430-0-0321	1/10
24 studio white matt	6430-24-102	6430-0-0322	1/10
24G studio white	6430-24G-102	6430-0-0323	1/10
260 palladium 1)	6430-260-102	6430-0-0317	1/10
266 titanium 1)	6430-266-102	6430-0-0318	1/10

1) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
	<i>impuls</i>		
72 ivory	6430-72	6430-0-0337	1
74 alpine white	6430-74	6430-0-0144	1
79 champagne metallic ²⁾	6430-79	6430-0-0177	1
774 studio white matt ²⁾	6430-774	6430-0-0379	1
775 black matt ²⁾	6430-775	6430-0-0381	1
777 blackberry ²⁾	6430-777	6430-0-0346	1
783 aluminium silver ²⁾	6430-783	6430-0-0338	1


1) Replacement neon lamp 3857.
2) Surface painted.

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
	<i>future[®] linear</i>		
81 anthracite	6430-81-102	6430-0-0326	1/10
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
83 aluminium silver ¹⁾	6430-83-102	6430-0-0328	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
884 studio white matt ¹⁾	6430-884-102	6430-0-0385	1/10
885 black matt ¹⁾	6430-885-102	6430-0-0386	1/10
	<i>solo[®]</i>		
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
87 toscana/purple ¹⁾	6430-87-102	6430-0-0332	1/10
803 meteor/ grey metallic ¹⁾	6430-803-102	6430-0-0350	1/10
815 sahara/yellow	6430-815-102	6430-0-0348	1/10
	<i>Busch-axcent[®]</i>		
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	<i>carat[®]</i>		
81 anthracite	6430-81-102	6430-0-0326	1/10
82 savanna/ ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	<i>pure stainless steel</i>		
866 stainless steel	6430-866-102	6430-0-0343	1/10


1) Surface painted.
*) Phase-out type

	Busch-Blind control II built-in unit ^{1) 2)} 2gang For joint switching of 2 blind drives via a 230 V multi-way input terminal. Additional IR remote control via IR flying receiver 6045 E-101 possible. Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx Rated voltage: 230 V~ Rated frequency: 50 Hz Outputs: 4x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6420 EB-500	6420-0-0020	1


1) Suitable for multi-phase operation.
2) Individual operation of the blinds is possible using infrared remote control (e.g. 6010-25).

Product	Article-No.	Order-No.	Pack/Qty
	IR flying receiver ¹⁾ For controlling the built-in devices: 6420 built-in/6056 built-in. With approx. 0.5 m supply lead. Length of the linear lamp: 30 mm Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.		
	6045 E-101-500	6020-0-1240	1


1) Feed line cannot be extended.

	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>alpha</i>		
20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white matt	6066-24-102-500	6020-0-1371	1
24G studio white	6066-24G-102-500	6020-0-1372	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10


1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.


	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>impuls</i>		
72 ivory	6066-72-101	6020-0-1385	1
74 alpine white	6066-74-101-500	6020-0-1190	1
79 champagne metallic ²⁾	6066-79-101	6020-0-0606	1
774 studio white matt ²⁾	6066-774-101	6020-0-1405	1
775 black matt ²⁾	6066-775-101	6020-0-1401	1
777 blackberry ²⁾	6066-777-101	6020-0-1391	1
783 aluminium silver ²⁾	6066-783-101	6020-0-1386	1

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.

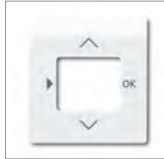
Product	Article-No.	Order-No.	Pack/Qty
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	future [®] linear		
81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ ivory white	6066-82	6020-0-1332	10/10
83 aluminium silver ²⁾	6066-83	6020-0-1383	1/10
84 davos/studio white	6066-84	6020-0-1334	1/10
884 studio white matt ²⁾	6066-884	6020-0-1397	1/10
885 black matt ²⁾	6066-885	6020-0-1399	1/10
	solo [®]		
82 savanna/ ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
87 toscana/purple ¹⁾	6066-87	6020-0-1340	1/10
803 meteor/ grey metallic ²⁾	6066-803	6020-0-1395	1/10
815 sahara/yellow	6066-815	6020-0-1393	1/10
	Busch-axcent [®]		
84 davos/studio white	6066-84	6020-0-1334	1/10
	carat [®]		
81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
	pure stainless steel		
866 stainless steel	6066-866	6020-0-1389	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type


	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
	Busch-Duro 2000 [®] SI		
212 white	6435-212	6430-0-0285	10/100
	Reflex SI		
214 alpine white	6435-214	6430-0-0286	10/100

	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
	alpha		
20 platinum ¹⁾	6435-20	6430-0-0291	10
21 bronze ¹⁾	6435-21	6430-0-0292	10
22G ivory	6435-22G	6430-0-0293	10
24 studio white matt	6435-24	6430-0-0294	10/100
24G studio white	6435-24G	6430-0-0295	10
260 palladium ¹⁾	6435-260	6430-0-0289	10
266 titanium ¹⁾	6435-266	6430-0-0290	10


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
	impuls		
72 ivory	6435-72	6430-0-0341	10
74 alpine white	6435-74	6430-0-0300	10
79 champagne metallic ¹⁾	6435-79	6430-0-0302	10
774 studio white matt ¹⁾	6435-774	6430-0-0380	10
775 black matt ¹⁾	6435-775	6430-0-0382	10
777 blackberry ¹⁾	6435-777	6430-0-0347	10/10
783 aluminium silver ¹⁾	6435-783	6430-0-0342	10


1) Surface painted.

	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
	future [®] linear		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
83 aluminium silver ¹⁾	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
884 studio white matt ¹⁾	6435-884	6430-0-0388	10
	6435-885	6430-0-0389	10
	solo [®]		
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
87 toscana/purple ¹⁾	6435-87	6430-0-0309	10
803 meteor/ grey metallic ¹⁾	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10
	Busch-axcent [®]		
84 davos/studio white	6435-84	6430-0-0306	10
	carat [®]		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
	pure stainless steel ¹⁾		
866 stainless steel	6435-866	6430-0-0344	10


1) Surface painted.
*) Phase-out type

	Busch-Blind control II cut-off relay 2gang For jointly switching 2 blind drives via a 230 V contact maker (UP/DOWN) (e.g. 6411 U/x-101). For grouping more than 2 blinds, several cut-off relays can be controlled parallel. For installation in commercially available SM-or flush mounted boxes. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): -25 °C to 50 °C		
	6415	6410-0-0302	10


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control II cut-off relay DC drives 2gang For jointly switching 2 blind drives via a 230 V contact maker (UP/DOWN) (e.g. 6411 U/x-101). For grouping more than 2 blinds, several cut-off relays can be controlled parallel. For installation in commercially available SM-or flush mounted boxes. The device requires an external supply voltage of 12-48 V DC. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A Temperature range (Device): -25 °C to 50 °C		
	6415/24	6410-0-0363	1/10

	Busch-Wind and sun blind switch ^{1) 2) 3)} with automatic switching control For controlling blind or awning motors. Adjustable light, wind and temperature value. With internal temperature sensor. Sun, wind and rain sensor can be connected externally. With intermediate position for awnings and turning position for blinds. Impulse duration: 30 sec to 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Rated current: 3 A, cos 0.6 Rated power: 690 VA Temperature range (Device): -5 °C to 50 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6480 U-102	6410-0-0371	1/10


- 1) For use only in conjunction with Wind Sensor 6481-102.
- 2) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
- 3) With downstream blind control 6411 U-101 an automatic return pulse (open slats) is not possible when moving to intermediate sun position.
- *) Phase-out type

	Wind sensor^{*)} For Busch Wind and Sun sensor insert 6480 U-102.		
	6481-102	6410-0-0370	1


*) Phase-out type

	Sun sensor^{*)} For Busch-Wind and sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.		
	6482	6410-0-0203	1


*) Phase-out type

	Cover plate^{*)} For Busch-Wind and sun blind switch insert 6480 U-10x.		
	Busch-Duro 2000® SI		
	212 white	1775 S/W-212-101	1710-0-3122 10
	214 alpine white	1775 S/W-214-101	1710-0-3123 10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate^{*)} For Busch-Wind and sun blind switch insert 6480 U-10x.		
	<i>alpha</i>		
20 platinum ¹⁾	1775 S/W-20-101	1710-0-3127	10
21 bronze ¹⁾	1775 S/W-21-101	1710-0-3128	10
22G ivory	1775 S/W-22G-101	1710-0-3129	10
24 studio white matt	1775 S/W-24-101	1710-0-3130	10
24G studio white	1775 S/W-24G-101	1710-0-3131	10
260 palladium ¹⁾	1775 S/W-260-101	1710-0-3308	10
266 titanium ¹⁾	1775 S/W-266-101	1710-0-3334	10

- 1) Surface painted.
- *) Phase-out type

	Cover plate^{*)} For Busch-Wind and sun blind switch insert 6480 U-10x.		
	<i>impuls</i>		
72 ivory	1775 S/W-72-101	1710-0-3738	10
74 alpine white	1775 S/W-74-101	1710-0-3137	10
79 champagne metallic ¹⁾	1775 S/W-79-101	1710-0-3140	10
774 studio white matt ¹⁾	1775 S/W-774-101	1710-0-3920	10
775 black matt ¹⁾	1775 S/W-775-101	1710-0-3915	10
777 blackberry ¹⁾	1775 S/W-777-101	1710-0-3813	10
783 aluminium silver ¹⁾	1775 S/W-783-101	1710-0-3739	10

- 1) Surface painted.
- *) Phase-out type

	Cover plate^{*)} For Busch-Wind and sun blind switch insert 6480 U-10x.		
	<i>future® linear</i>		
81 anthracite	1775 S/W-81-101	1710-0-3625	10
82 savanna/ivory white	1775 S/W-82-101	1710-0-3156	10
83 aluminium silver ¹⁾	1775 S/W-83-101	1710-0-3663	10
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10
884 studio white matt ¹⁾	1775 S/W-884-101	1710-0-3927	10
885 black matt ¹⁾	1775 S/W-885-101	1710-0-3904	10
<i>solo®</i>			
82 savanna/ivory white	1775 S/W-82-101	1710-0-3156	10
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10
87 toscana/purple	1775 S/W-87-101	1710-0-3228	10
803 meteor/grey metallic ¹⁾	1775 S/W-803-101	1710-0-3842	10
815 sahara/yellow	1775 S/W-815-101	1710-0-3822	10
<i>Busch-axcent®</i>			
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10
<i>carat®</i>			
81 anthracite	1775 S/W-81-101	1710-0-3625	10
82 savanna/ivory white	1775 S/W-82-101	1710-0-3156	10
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10
<i>pure stainless steel</i>			
866 stainless steel	1775 S/W-866-101	1710-0-3750	10

- 1) Surface painted.
- *) Phase-out type



Timers. Always abreast of the times.

There are tasks which have to be carried out everyday. Why not delegate these routines rather than checking your watch? Timers can switch and control accurately to the minute – in this way you can pay attention to more important things.



01



Timers

- 01 Comfort timer.
Switch series: solo®.
Colour: davos studio white.
- 02 Busch-Short-time timer.
Switch series alpha, with frame nea.
Colour: davos studio white.
- 03 Standard timer.
Switch series: solo®.
Colour: davos studio white.
- 04 Busch-Blind comfort switch.
Switch series: solo®.
Colour: davos studio white.

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Busch-Timer® for blind control	p. 389
Cover plates	p. 391
Busch-Short-time timer	p. 392

02



03



04



Overview Timers

01



15-minute timer with 2-pole NC contact (mechanical “egg timer”)

02



120-minute timer with 2-pole NC contact (mechanical “egg timer”)

03



Freely programmable short-time timer within a range from 1 second to 9 hours, 59 minutes, and 59 seconds. The currently set time is saved after it is up and can be called up again and again. The short-time timer can be stopped at any time (electronic “count-down”). Busch-short-time timers have a second cover plate that covers both left buttons. The set time can thus not be changed.

04



The Busch-Blind comfort switch offers two intuitive controls; automatic mode and manual operation. In automatic mode the roller blind opens and shuts in a pre-programmed 24-hour cycle. In manual operation the roller blind moves automatically to the intermediate position set on the rotary knob, i.e. the roller blind stops by itself when the set position is reached.

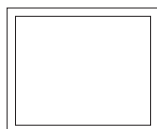
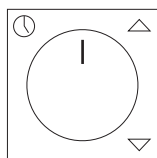
01 15-minute timer
insert: 1070 U, 1770-24

02 120-minute timer
insert: 1071 U, 1771-24

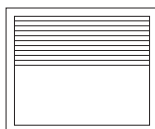
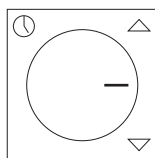
03 Busch-Short-time timer
insert: 6465 U, 1773-24

04 Busch-Blind comfort switch
insert: 6419 U, 6436-84

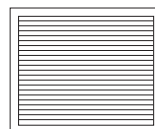
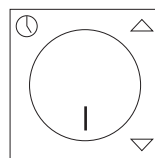
05



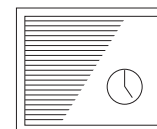
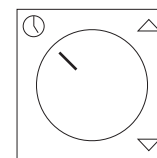
06



07



08



Busch-Blind comfort switch

- 05 Upper end position of blind
- 06 Intermediate position, closed 50%
- 07 Bottom end position of blind
- 08 Automatic mode

Here too the simplest operation has priority. The new Busch-Blind comfort switch offers two intuitive controls; automatic mode and manual operation. In automatic mode the rotary switch must only be turned to the clock symbol. The roller blind now opens and shuts automatically in a 24-hour cycle according to the programmed times. In

manual operation the rotary switch is turned at 180 degrees between positions “top” and “bottom”. If the mark on the rotary switch points upward, the roller blind moves up. If the mark on the rotary switch points downward, the roller blind moves down. The roller blind moves automatically to the intermediate position set on

the rotary knob, i.e. the roller blind stops by itself when the set position is reached. After each completed movement the Busch-Blind comfort switch automatically determines the duration of movement. In this way the differences in movement times resulting from the aging of the roller blind are taken over.

01

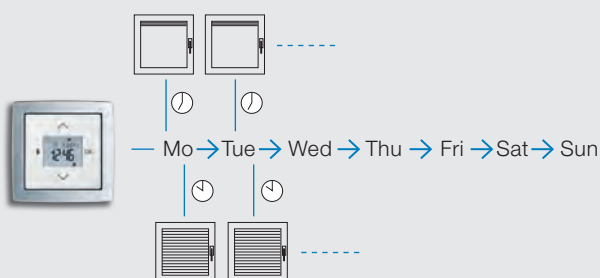


For this timer, **two** switching times can be set for the every day raising and lowering. It also has a vacation function for which the times can be changed again and again by chance to simulate a presence in the house. In addition to automatic switching times, the timer also has an Astro function that activates the blind at sunrise and sunset. The Astro function can also be set for only sunrise or sunset. In addition, conventional switching times and Astro switching times can be combined. Without extensions, this combination of flush-mounted insert and control element is recommended for direct operation with a blind. The combination is also suited as a group and main control unit for the Busch-Blind control II.

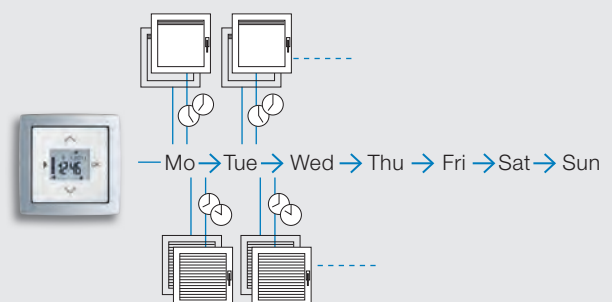
For this timer, **four** switching times can be set for the raising and lowering times every day. It has the same functions as the standard timer control element, but also lets you realise switching and dimming functions. You can thus switch on the outdoor lighting using the Comfort timer, for example.

In the case of both timer control elements, programming can be performed when they are removed. The timer control element can be programmed while you're sitting comfortably and then placed on the flush-mounted insert. This applies particularly when the switch combination is badly accessible because it is blocked by furniture and the display cannot be read. Setting a timer was never this easy: the display shows what you are presenting programming, thus making operating instructions superfluous.

- 01 Standard timer insert: 6456
- 02 Comfort timer insert: 6455



For the standard timer, **two** switching times can be set for the raising and lowering times every day.



For the comfort timer, **four** switching times can be set for the raising and lowering times every day.



Product	Article-No.	Order-No.	Pack/Qty
 Comfort Blind insert 1) 2) 3) With memory and positioning function. For the manual and automatic control of roller blinds. The roller blind moves to the position set using the turn knob. Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm. Suitable for roller blind drives with mechanical or electronic end switch. Suitable for operation without neutral conductor. Without an extension input. Power reserve of 45 minutes (maintenance-free as capacitor). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 1.3 A, cos 0.5 Rated power: 300 VA Temperature range (Device): 0 °C to 35 °C	6419 U	6410-0-0390	1/10

- 1) Pertinent cover plates 6436-xx.
- 2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.
- 3) Only suitable for single unit control.

Product	Article-No.	Order-No.	Pack/Qty	
 Cover plate 1) With rotary knob For comfort blinds insert 6419 U. Busch-Duro 2000® SI	212 white	6436-212	6430-0-0354	10
	214 alpine white	6436-214	6430-0-0355	10

- 1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.

Product	Article-No.	Order-No.	Pack/Qty	
 Cover plate 1) With rotary knob For comfort blinds insert 6419 U. <i>alpha</i>	20 platinum 2)	6436-20	6430-0-0365	10
	21 bronze 2)	6436-21	6430-0-0366	10
	22G ivory	6436-22G	6430-0-0368	10
	24 studio white matt	6436-24	6430-0-0367	10
	24G studio white	6436-24G	6430-0-0369	10
	260 palladium 2)	6436-260	6430-0-0370	10
	266 titanium 2)	6436-266	6430-0-0371	10

- 1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
- 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty	
 Cover plate 1) 2) 3) With rotary knob For comfort blinds insert 6419 U. <i>impuls</i>	72 ivory	6436-72	6430-0-0372	10
	74 alpine white	6436-74	6430-0-0373	10
	79 champagne metallic 4)	6436-79	6430-0-0374	10
	774 studio white matt 4)	6436-774	6430-0-0377	10
	775 black matt 4)	6436-775	6430-0-0378	10
	777 blackberry 4)	6436-777	6430-0-0375	10
	783 aluminium silver 4)	6436-783	6430-0-0376	10

- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) N-conductor connection required for operation with control cover 6430-7x, illuminated.
- 3) Replacement neon lamp 3856.
- 4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty	
 Cover plate 1) With rotary knob For comfort blinds insert 6419 U. <i>future® linear</i>	81 anthracite	6436-81	6430-0-0387	10
	82 savanna/ivory white	6436-82	6430-0-0356	10
83 aluminium silver 2)	6436-83	6430-0-0357	10	
84 davos/studio white	6436-84	6430-0-0358	10	
884 studio white matt 2)	6436-884	6430-0-0363	10	
885 black matt 2)	6436-885	6430-0-0364	10	
<i>solo®</i>				
82 savanna/ivory white	6436-82	6430-0-0356	10	
84 davos/studio white	6436-84	6430-0-0358	10	
87 toscana/purple 1)	6436-87	6430-0-0359	10	
803 meteor/grey metallic 2)	6436-803	6430-0-0360	10	
815 sahara/yellow	6436-815	6430-0-0361	10	
<i>Busch-axcent®</i>				
84 davos/studio white	6436-84	6430-0-0358	10	
<i>carat®</i>				
82 savanna/ivory white	6436-82	6430-0-0356	10	
84 davos/studio white	6436-84	6430-0-0358	10	
<i>pure stainless steel 2)</i>				
866 stainless steel	6436-866	6430-0-0362	10	

- 1) Continuous lighting of the turn knob possible using glow lamp 3855. Not included in delivery. Neutral wire required for operation with neon lamp.
- 2) Surface painted.
- 3) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. In combination with Busch-Universal-dimmer insert 6593 U or Busch-Memory touch-type controller 6550 U-101 brightness can be set individually for each switching time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C	6455-500	6410-0-0373	1/10

- 1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-101	6410-0-0377	1/10

- 1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

- 1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Light sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-500	6410-0-0348	10

	Burglar alert sensor For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	10




Product	Article-No.	Order-No.	Pack/Qty
	Standard timer control element 1) For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6456	6410-0-0374	1/10

- 1) See respective cover plates 6435-xx.

	Basic blinds insert 1) 2) Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off. Suitable for operation without neutral conductor. Without an extension input. For control cover 6430-xx-xxx. For Standard timer control element 6456. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6418 U-500	6410-0-0376	1/10

- 1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.





Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over. Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. In combination with Busch-Universal-dimmer insert 6593 U or Busch-Memory touch-type controller 6550 U-101 brightness can be set individually for each switching time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101. Temperature range (Device): 0 °C to 35 °C				Busch-Universal master dimmer Insert 1) 2) 3) Touch Dimmer with light-level memory and intelligence for universal operation. Selectable Soft-ON/OFF function and memory function. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/WA possible. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. With touch control. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Without control cover. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Combinable with Busch Watchdog extension insert 6805 U. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 420 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
	6455-500	6410-0-0373	1/10			6593 U-500	6590-0-0171 1/10


1) See respective cover plates 6435-xx.


1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.

	Busch-Universal relay switch insert 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. For Comfort timer control element 6455. For Busch-Remote control IR control cover 6067-xxx-10x. For control cover with control lamp 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/WA Temperature range (Device): -25 °C to 55 °C British Standard EN 60669-2-1				Busch-Universal master dimmer capacity booster The control is effected by a Busch-Universal master dimmer 6593 U or Busch-Universal rotary dimmer 6591 U-101. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 200 - 315 W/WA IEC 60669-2-1, British Standard EN 60669-2-1		
		6401 U-102-500	6401-0-0049 1/10	6594 U-500	6590-0-0172 1		


Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Memory touch-type controller 1) 2) 3 wire connection (neutral conductor required). For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For LED control via control gears Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1</p>	 6550 U-101-500	6550-0-0042	1

1) Non-illuminable.
 2) with integrated making-current limiter

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. Busch-Duro 2000® SI</p>	212 white	6435-212	6430-0-0285	10/100
	214 alpine white	Reflex SI 6435-214	6430-0-0286	10/100


 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. alpha</p>	20 platinum 1)	6435-20	6430-0-0291	10
	21 bronze 1)	6435-21	6430-0-0292	10
	22G ivory	6435-22G	6430-0-0293	10
	24 studio white matt	6435-24	6430-0-0294	10/100
	24G studio white	6435-24G	6430-0-0295	10
	260 palladium 1)	6435-260	6430-0-0289	10
	266 titanium 1)	6435-266	6430-0-0290	10

1) Surface painted.


 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101. impuls</p>	72 ivory	6435-72	6430-0-0341	10
	74 alpine white	6435-74	6430-0-0300	10
	79 champagne metallic 1)	6435-79	6430-0-0302	10
	774 studio white matt 1)	6435-774	6430-0-0380	10
	775 black matt 1)	6435-775	6430-0-0382	10
	777 blackberry 1)	6435-777	6430-0-0347	10/10
	783 aluminium silver 1)	6435-783	6430-0-0342	10


1) Surface painted.




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U-101 and 1098 UF-101.		
	future® linear		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
83 aluminium silver ¹⁾	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
884 studio white matt ¹⁾	6435-884 6435-885	6430-0-0388 6430-0-0389	10 10
	solo®		
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
87 toscana/purple ¹⁾	6435-87	6430-0-0309	10
803 meteor/ grey metallic ¹⁾	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10
	Busch-axcent®		
84 davos/studio white	6435-84	6430-0-0306	10
	carat®		
81 anthracite	6435-81	6430-0-0303	10
82 savanna/ ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
	pure stainless steel ¹⁾		
866 stainless steel	6435-866	6430-0-0344	10
¹⁾ Surface painted. ^{*)} Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Short-time timer insert Countdown timer For time-programmed switching of electrical consumers. With control cover, without cover plate. Minimum timer time: 1 second. Maximum timer time: 9:59:59 hours. Power reserve: 12 hr. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact Rated current: 10 A, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6465 U	6410-0-0278	1/10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Busch-Duro 2000® SI		
212 white	1773-212	1753-0-1886	10
	Reflex SI		
214 alpine white	1773-214	1724-0-2117	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. <i>alpha</i>		
20 platinum ¹⁾	1773-20	1724-0-2158	10
21 bronze ¹⁾	1773-21	1724-0-2166	10
22G ivory	1773-22G	1724-0-2521	10
24 studio white matt	1773-24	1724-0-2174	10
24G studio white	1773-24G	1724-0-2182	10
260 palladium ¹⁾	1773-260	1724-0-2790	10
266 titanium ¹⁾	1773-266	1724-0-2795	10
¹⁾ Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. <i>impuls</i>		
72 ivory	1773-72	1724-0-4267	10
74 alpine white	1773-74	1724-0-2240	10
79 champagne metallic ¹⁾	1773-79	1724-0-2273	10
774 studio white matt ¹⁾	1773-774	1724-0-4306	10
775 black matt ¹⁾	1773-775	1724-0-4304	10
777 blackberry ¹⁾	1773-777	1724-0-4286	10
783 aluminium silver ¹⁾	1773-783	1724-0-4268	10
¹⁾ Surface painted.			

Busch-Short-time timer (Countdown-Timer)




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. future® linear		
81 anthracite	1773-81	1753-0-9906	10
82 savanna/ ivory white	1773-82	1753-0-9907	10
83 aluminium silver 1)	1773-83	1753-0-0030	10
84 davos/studio white	1773-84	1753-0-9908	10
884 studio white matt 1)	1773-884	1753-0-0132	10
885 black matt 1)	1773-885	1753-0-0135	10
	solo®		
82 savanna/ ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
	Busch-axcent®		
84 davos/studio white	1773-84	1753-0-9908	10
	carat®		
81 anthracite	1773-81	1753-0-9906	10
82 savanna/ ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
	pure stainless steel		
866 stainless steel	1773-866	1753-0-0103	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. future® linear		
81 anthracite	1773/10-81	1753-0-9911	10
82 savanna/ ivory white	1773/10-82	1753-0-9912	10
83 aluminium silver 1)	1773/10-83	1753-0-0031	10
84 davos/studio white	1773/10-84	1753-0-9914	10
884 studio white matt 1)	1773/10-884	1753-0-9971	10
885 black matt 1)	1773/10-885	1753-0-0134	10
	solo®		
82 savanna/ ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
	Busch-axcent®		
84 davos/studio white	1773/10-84	1753-0-9914	10
	carat®		
81 anthracite	1773/10-81	1753-0-9911	10
82 savanna/ ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
	pure stainless steel		
866 stainless steel	1773/10-866	1753-0-0104	10

1) Surface painted.


	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. Busch-Duro 2000® SI		
212 white	1773/10-212	1724-0-2547	10
	Reflex SI		
214 alpine white	1773/10-214	1724-0-2554	10/100

	Time switch mechanism 16 A 1) DP, break contact for staircases, exterior lighting, fans, etc. Running time: 15 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1070 U	1043-0-0025	1/10
	1) For screw-fixing only		

	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. alpha		
20 platinum 1)	1773/10-20	1724-0-2596	10
22G ivory	1773/10-22G	1724-0-2695	10
24 studio white matt	1773/10-24	1724-0-2612	10
260 palladium 1)	1773/10-260	1724-0-2809	10
266 titanium 1)	1773/10-266	1724-0-2810	10






1) Surface painted.

	Cover plate With rotary knob, with marking. For Busch Timer insert 1070 U. Running time: 15 min Busch-Duro 2000® SI		
212 white	1770-212-102	1753-0-6059	10
	Reflex SI		
214 alpine white	1770-214-102	1753-0-6158	10

	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min alpha		
20 platinum 1)	1770-20-101	1753-0-6075	10
21 bronze 1)	1770-21-101	1753-0-6083	10
24 studio white matt	1770-24-101	1753-0-6091	10
24G studio white	1770-24G-101	1753-0-7446	10

1) Surface painted.



Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min <i>impuls</i>						
72 ivory	1770-72	1753-0-0057	10				
74 alpine white	1770-74	1753-0-4906	10				
79 champagne metallic ¹⁾	1770-79	1753-0-5382	10				
774 studio white matt ¹⁾	1770-774	1753-0-0178	10				
775 black matt ¹⁾	1770-775	1753-0-0149	10				
777 blackberry ¹⁾	1770-777	1753-0-0117	10				
783 aluminium silver ¹⁾	1770-783	1753-0-0058	10				
1) Surface painted.							
	Time switch mechanism 16 A ¹⁾ DP, break contact for staircases, exterior lighting, fans, etc. Running time: 120 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25						
	1071 U	1043-0-0124	1				
1) For screw-fixing only							
	Cover plate With rotary knob, with marking. For Busch Timer insert 1071 U. Running time: 120 min Busch-Duro 2000® SI						
212 white	1771-212-102	1753-0-6208	10				
	Reflex SI						
214 alpine white	1771-214-102	1753-0-6307	10				
	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min <i>alpha</i>						
20 platinum ¹⁾	1771-20-101	1753-0-6224	10				
21 bronze ¹⁾	1771-21-101	1753-0-6232	10				
22G ivory	1771-22G-101	1710-0-2405	10				
24 studio white matt	1771-24-101	1753-0-6240	10				
24G studio white	1771-24G-101	1753-0-7479	10				
1) Surface painted.							
	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min <i>impuls</i>						
72 ivory	1771-72	1753-0-0059	10				
74 alpine white	1771-74	1753-0-4914	10				
79 champagne metallic ¹⁾	1771-79	1753-0-5390	10				
774 studio white matt ¹⁾	1771-774	1753-0-0179	10				
775 black matt ¹⁾	1771-775	1753-0-0150	10				
777 blackberry ¹⁾	1771-777	1753-0-0118	10				
783 aluminium silver ¹⁾	1771-783	1753-0-0061	10				
1) Surface painted.							

Remote control.

This is how easily the right atmosphere with light is created.

Comfortably controlling the light from any point in the room. The radio control system with its manual remote control function also offers the option of integrating additional control elements without any further wiring, simply via radio signal. With the Busch-Remote Control IR, you can operate individual light sources or store entire lighting scenes which can then be recalled at the press of a button.



01 | NEW



Remote control

- 01 Remote control WaveLINE RF.
- 02 Wall-mounted transmitter WaveLINE, 2-channel RF, switch series future® linear, studio white
- 03 Blind actuator WaveLINE, for driving and adjusting blinds/shutters and awnings over RF.
- 04 Busch-Watchdog 220 WaveLINE, Infrared movement detector
- 05 IR Flush-mounted switch, Busch-Remote control IR
- 06 IR Switch with adapter plug, Busch-Remote control IR

Materials

Cover: Thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

Contents Remote control

WaveLINE	p. 406
Remote control	p. 407
Flush-mounted inserts	p. 408
IR control elements	p. 414
Built-in devices	p. 415

02 | NEW



03 | NEW



04



05



06



RF sensors



01 SM WaveLINE movement detector, article no. 6745 AGM-204

The WaveLINE Busch-Watchdog 220 is a battery-operated movement detector. Since it is installed without cables it can be mounted in the most ideal position. The battery has a service life of 5 years.



02 WaveLINE media converter TP-RF, article no. 6770-500

The KNX and Busch radio control are coupled via the WaveLINE media converter TP-RF. Telegrams can be exchanged in both directions. One application serves to transmit the window sensor to the KNX system.



03 Window sensor, article no. 6720-64

The WaveLINE window sensor is retrofitted between the window and window handle, which means the original window handle is retained. The window handle is used for the following window positions: opened, tilted and closed.






04 Universal detector, article no. 6721-64

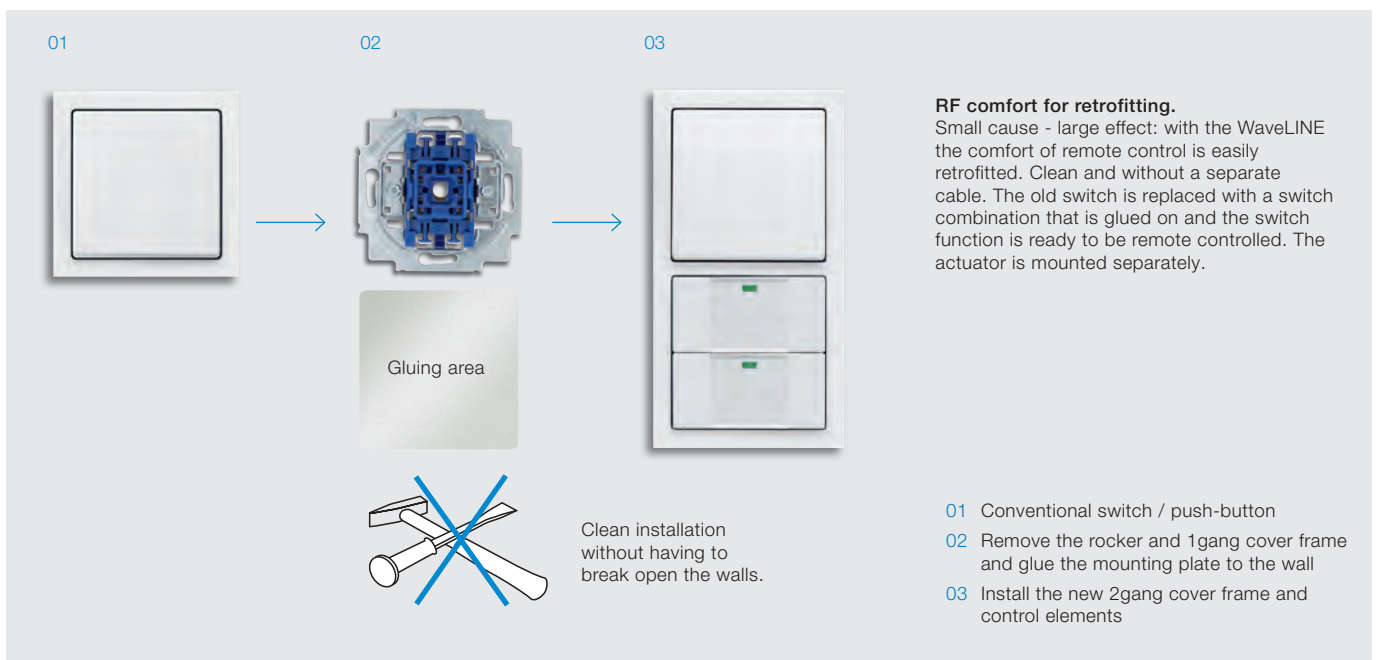
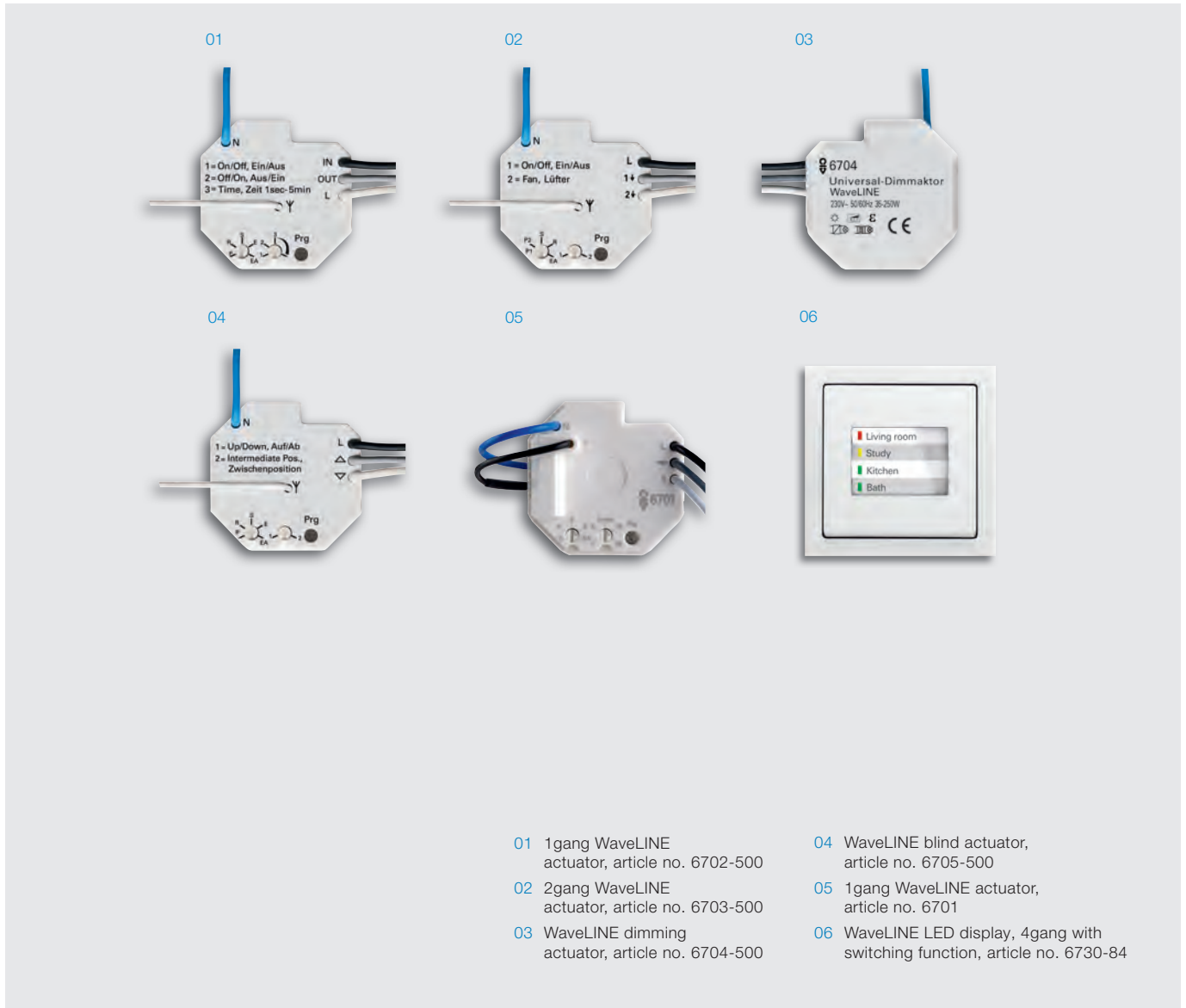
The WaveLINE universal detector is suited for skylights or sliding doors and is activated via a reed contact. The universal detector has a second channel which can be permanently wired to a floating contact (NO or NC contacts).



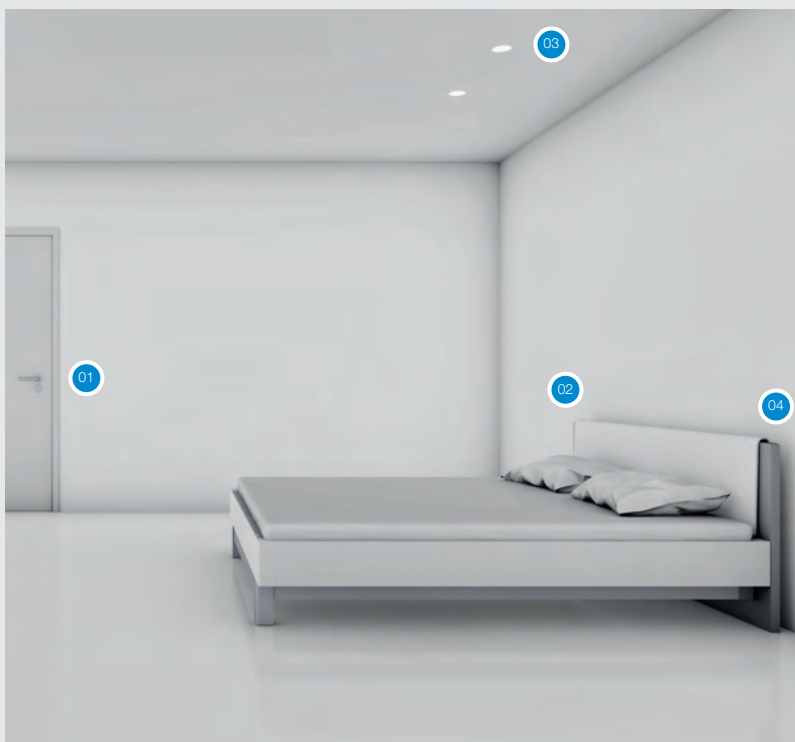
05 Remote control RF, article no. 6780-500

The remote control is used as mobile control for the WaveLINE. Loads can be controlled individually and scenes can be started.

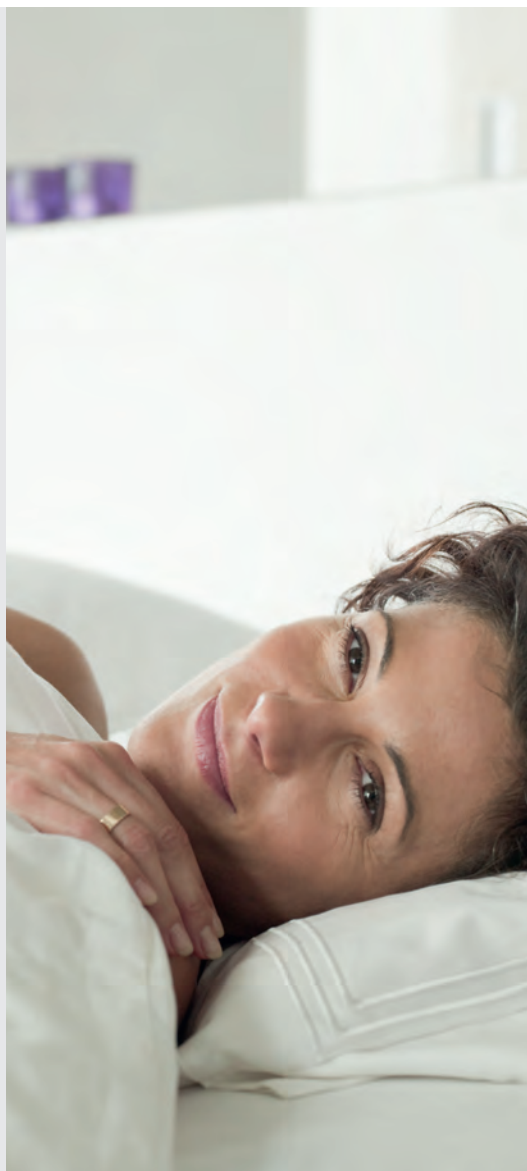
Control elements	1gang		2gang		4gang	
Switch ranges						
pure stainless steel						
stainless steel	6731-866-500	6732-866-500	6733-866-500			
future linear						
studio white	6731-84-500	6732-84-500	6733-84-500			
aluminium silver	6731-83-500	6732-83-500	6733-83-500			
ivory white	6731-82-500	6732-82-500	6733-82-500			
Reflex SI						
alpine white				6731-214-500	6732-214-500	
Busch-Duro 2000® SI						
white				6731-212-500	6732-212-500	



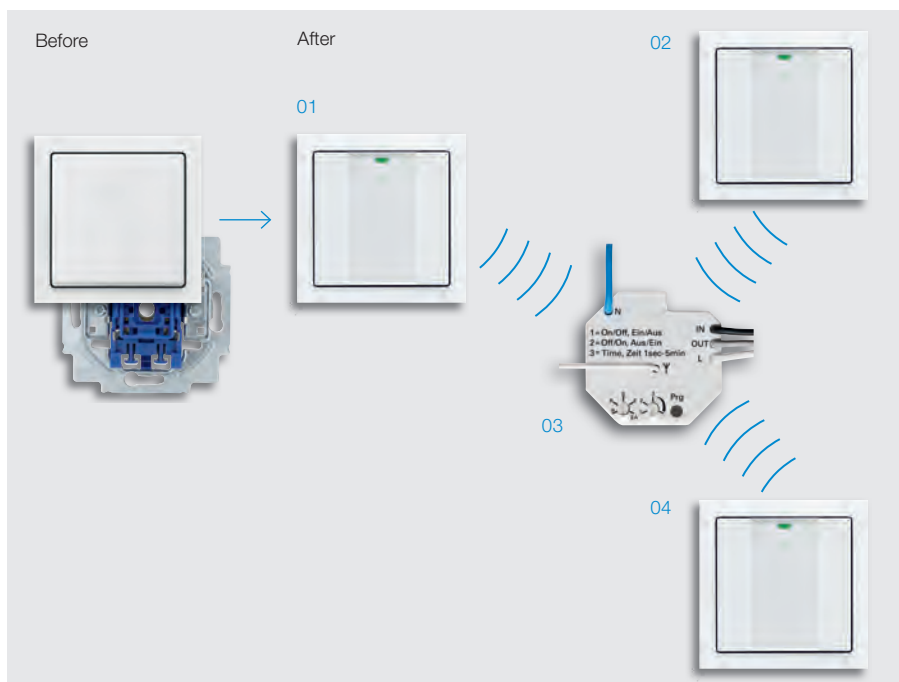
Retrofitting a cross connection



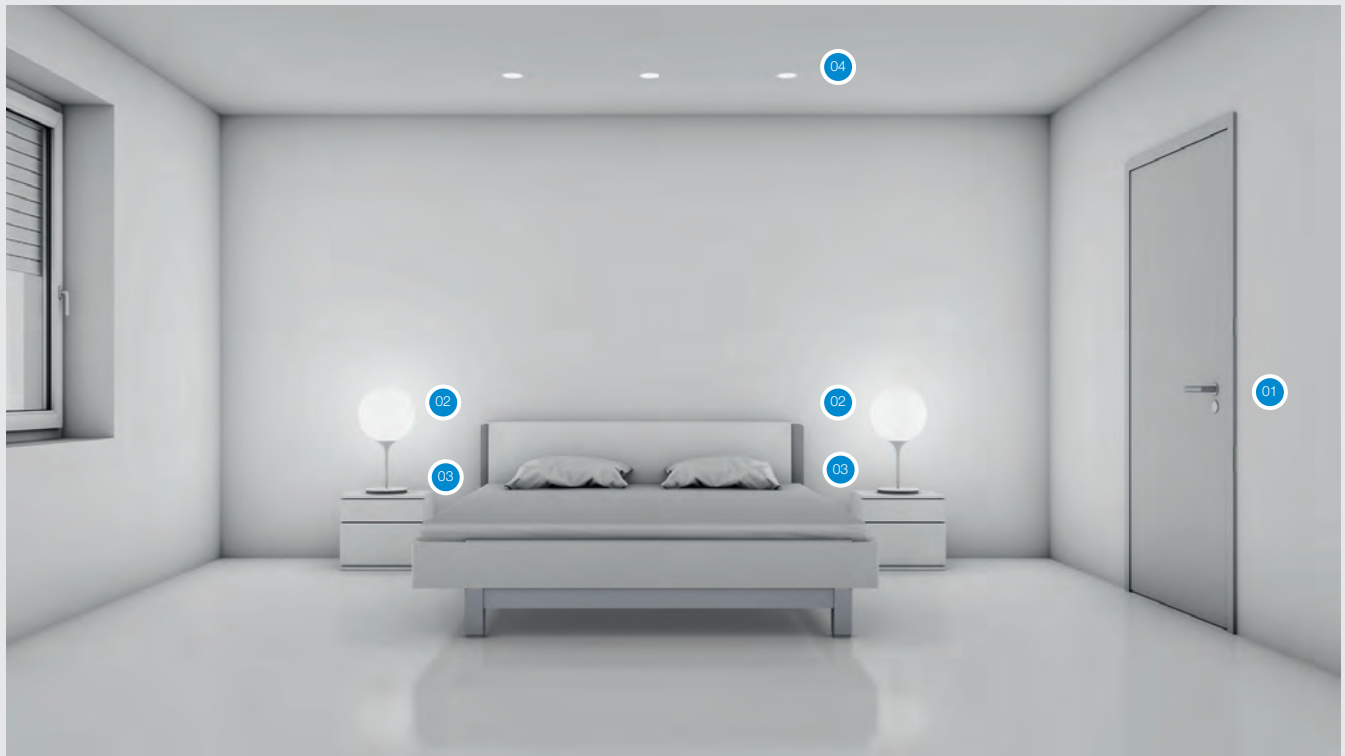
- 01 WaveLINE wall-mounted transmitter, 1 channel, article no. 6731-84-500
- 02 WaveLINE wall-mounted transmitter, 1 channel, article no. 6731-84-500
- 03 WaveLINE switch actuator, article no. 6702-500
- 04 WaveLINE wall-mounted transmitter, 1 channel, article no. 6731-84-500



Retrofitting a cross connection: the clever way, so that the ceiling light in the bedroom can be operated from both sides of the bed. For this the existing switch, mostly located at the door, is replaced by a wall-mounted transmitter. Two wall-mounted transmitters, that are linked via radio signal instead of cables, are also glued to the wall next to the bed. The light can now be remotely controlled via the separately mounted actuator.



Retrofitting a cross connection II

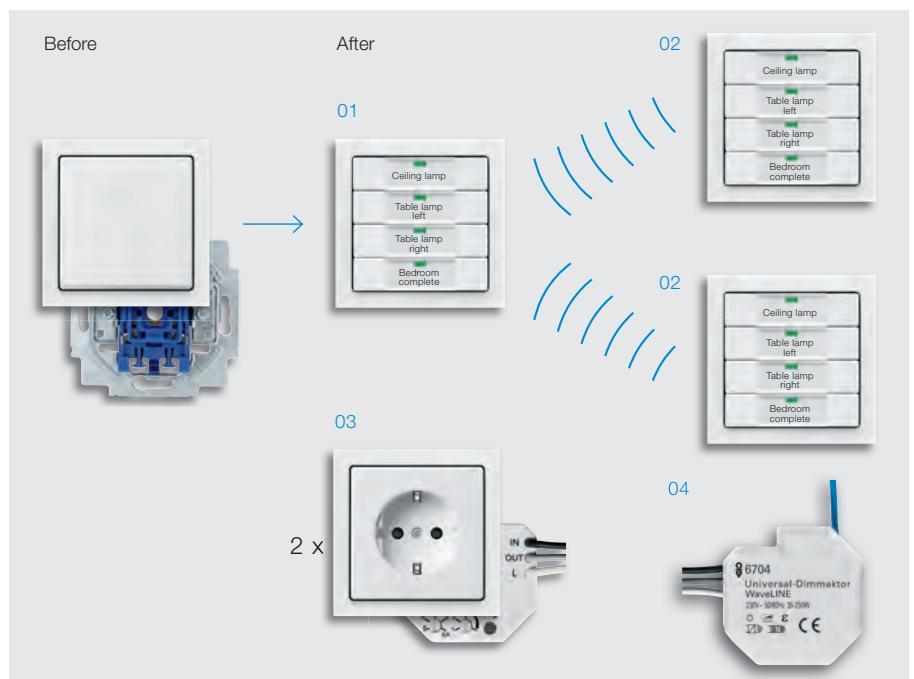


- 01 WaveLINE wall-mounted transmitter, 4 channel, article no. 6733-84-500
- 02 2 x WaveLINE wall-mounted transmitters, 4 channel, article no. 6733-84-500
- 03 2 x WaveLINE switch actuators, article no. 6702-500
2 x SCHUKO® socket outlet inserts, article no. 20 EUC-84
- 04 WaveLINE universal dimming actuator, article no. 6704-500

Rocker assignment of 4gang wall-mounted transmitter:

- >> ceiling lamp
- >> Table lamp left
- >> Table lamp right
- >> Bedroom complete

For even greater comfort in the bedroom, additional functions can be retrofitted together with a cross connection: switching and dimming the main light additionally from both sides of the bed and switching of two bedside table lamps from all positions. Added to this is the integration of a central function with which all lamps can be switched off with the press of a button when leaving the room. Essential for these functions are the WaveLINE 4-channel wall-mounted transmitters that are installed in place of the light switch and simply glued at the side of the beds.



Busch-Remote control IR



As easily and conveniently as you can change the channels of your TV with a remote control, you can also control the various lights, blinds, and awnings in your living areas. At the press of a button, you can switch and dim the lighting

and no longer have to operate switch after individual switch. In the process, the possibility to control your blinds in this manner is unique.

01 Remote control

The Busch-Remote control IR remote control is the heart of the system. It lets you trigger all functions of the system as required. In practice, this means the individual switching and dimming of the installed Busch-Remote control IR receiver. Using the memo function (Memo 1/Memo 2), you can save special light situations and call them at the press of a button at any time.

02 Wall-mounted transmitter

The ideal supplement to the remote control is the Busch-Remote control IR wall-mounted transmitter as a central control element. Independent of the mains and attachable to any point in the room, including the window pane, it controls the memo function or individual consumers and makes sure the consumers are switched off safely (EVERYTHING OFF) when everyone leaves the room. Available in the colours of the alpha switch range.

03 Flush-mounted dimmer

With the Busch-Remote control IR universal dimmer, outputs up to 420 W can be dimmed without a problem. In the process, the dimmer allows the connection of 230 V incandescent and halogen lamps, as well as low-voltage halogen lamps with conventional or electronic transformers due to its intelligent control system. The memory function saves the value of the last saved brightness.

04 Flush-mounted switch

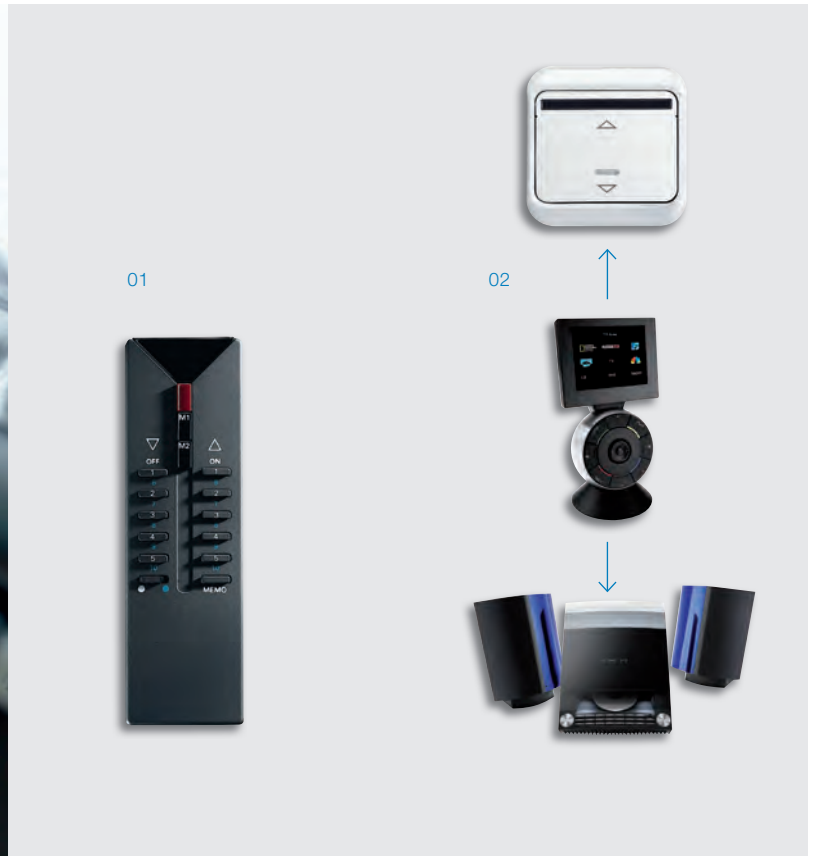
Wherever high outputs have to be controlled, the Busch-Remote control IR flush-mounted switch does the job. With a switching capacity of 2,300 W/VA, even large plants have sufficient reserves. Using the memory function, any two switching states can be saved and called as required.

05 Switch plug unit

With the Busch Remote Control® IR switch plug unit you can connect mobile consumers without extensive installation. Suitable for incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps that are operated via transformers. With memo function for switching at callup. At the switching contact any consumers with a connected load of up to 2,300 W can be operated.

06 Fan control

The lighting is connected to the first output and the fan at the second. After the lighting is switched off, the fan keeps running up to the programmed time. Insert 6402 U, control element 6067-xx.



01 Comfortable options

With the manual transmitter, 2 x 5 channels for five different consumers each can be remote controlled (1–5 and 6–10). 2x 2 light scenes can be saved and called up easily. The receivers are encoded with a screwdriver via an address wheel.

02 Remote Control Beo6

The IP receiver of ABB/Busch-Jaeger can also be controlled using the Beo6 remote control of Bang & Olufsen (after the remote control is programmed by a Bang & Olufsen dealer). In this way, it is possible to control both video and audio sources and execute room functions like switching, dimming, and moving blinds.

Depth of product range IR remote control	Switching	2gang switch top channel 1 bottom channel 2	Dimming	Dimming 0–10 V	Blind
Flush-mounted					
	Busch-Universal relay insert 6401 U-102-500	Busch-Universal 2gang insert 6402 U-500	Uniwersalny wkładściemniaczka (centralny) 6593 U-500	Busch-Memory touch-type controller 6550 U-101-500	Busch-Blind control insert 6411U-101 6411U/S-500-101
	Busch-Remote control IR control element 6067-xx-102	Busch-Remote control IR control element 6066-xx	Busch-Remote control IR control element 6066-xx-102	Busch-Remote control IR control element 6066-xx-102	IR control element 6066-xx-102
Installation					
	IR receiver 4-channel 6056 EB-500 IR built-in receiver 6045 E-101-500	–	–	IR dimmer 0–10 V 6045-500	Busch-Blind control II built-in unit 6420 EB-500 + IR Built-in receiver 6045 E-101-500
Adapter plug					
	IR switch 6080-24-500	–	–	–	–

WaveLINE

Where conventional systems only check whether the window is in contact with the frame, WaveLINE goes a decisive step further. It reports

the position of the window handle and thus provides information as to whether the window is locked.



Before:
Light switch



After:
LED display
and light switch

01

It's so simple. Where a light switch or dimmer was installed before, you can now also use the message system function. The original switching or dimming function remains intact.

02

03

04



WaveLINE window position sensor

Window position sensors monitor and transmit the position of the window handle – it is indicated by means of a coloured LED on the easy-to-view display, which can be individually labelled.

The pertinent window sensors mounted between the handle and the frame are available in black, white, and stainless steel optics and thus well-suited for all common window frames and window handles. The existing window handle can continue to be used.

01 WaveLINE LED display 6730-xx onto 6404 U

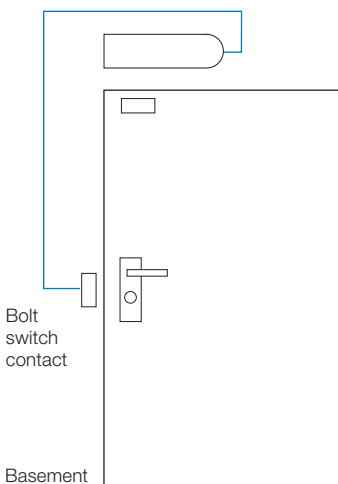
02 WaveLINE window position sensor, 6720-64

03 WaveLINE window position sensor, 6720-66

04 WaveLINE window position sensor, 6720-65

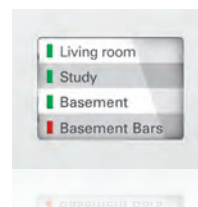
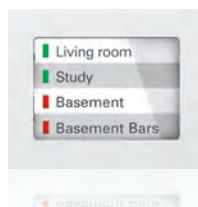
05 WaveLINE universal sensor, 6721-64

06 WaveLINE universal sensor, 6721-65



05

06



WaveLINE universal sensor

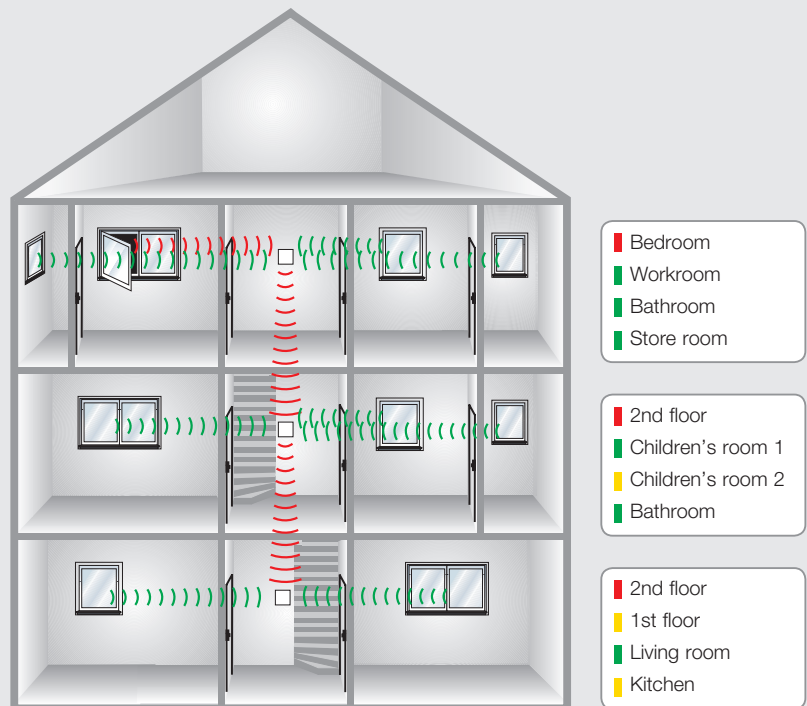
The WaveLINE universal detector is available as a supplement to the WaveLINE window sensor. It is used wherever window sensors cannot be attached for mechanical reasons. The universal detector has two independent message channels. The first channel is triggered by the reed contact, while the second channel is firmly wired to a floating contact.

Via the LED display, the two channels of the universal detector can be transferred and displayed separately. You are thus always informed as to whether the cellar door is closed and locked.

All windows under surveillance by radio control

Who doesn't know that anxious feeling of having forgotten something after leaving home? An open window or a patio door left ajar are an invitation to burglars. WaveLINE replaces your last-minute check and guarantees security.

The WaveLINE window position sensor, which recognises the position of the window handle and transmits it by radio signal, is fitted between the window handle and the window frame. The existing handle can continue to be used and additional mounting is not required. All components required for installation and operation are included in the scope of delivery. A battery is also provided – so the system is ready for operation immediately. The information is provided on an easy-to-view information and control element. It has a display with four LEDs. Up to eight window position sensors can be connected to a single LED. In that way, either individual windows or complete rooms or floors can be monitored with only one indicator LED. If several windows sensors are learned for one LED, the group is networked automatically. A practical group could be, for example, the windows of one floor.

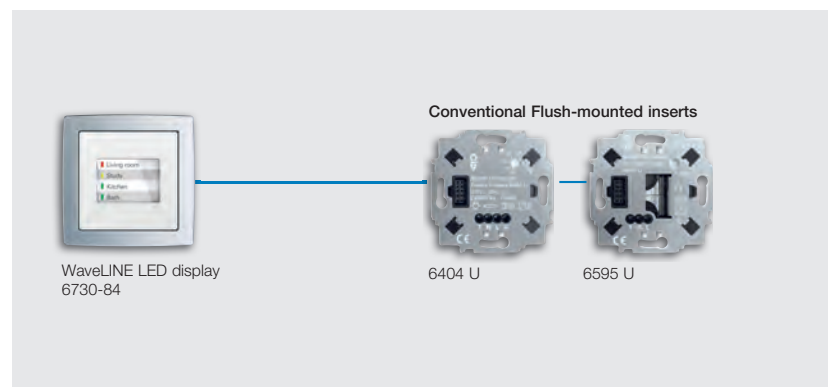



Application example


The LEDs indicate the following:


- » All the windows in one group are closed: ■ LED green
- » At least one window is tilted: ■ LED yellow
- » At least one window of the group is open: ■ LED red


Attention is also drawn to a battery losing its power or faulty window position sensors by a flashing light.



Product	Article-No.	Order-No.	Pack/Qty
	Wall-mounted transmitter WaveLINE 1)¹⁾ 1-channel 1gang wall-mounted transmitter independent of mains power supply. For switching and dimming. For controlling blinds and light scenes. 1 radio channel can be operated or up to 2 light scenes can be called up. For flush-mounted WaveLINE actuators 6701, 6702, 6703, 6704 and 6705. For LED display WaveLINE 6730-xxx. Compatible with WaveLINE KNX gateway TP-RF 6770. Send frequency: 868 MHz. Range in free field: approx.100 m Power supply: lithium button cell battery Type CR2032. Battery life: typically 5 years, therefore practically maintenance-free. Automatic monitoring of battery life. Including fixing plate for mounting on smooth walls or on switch boxes. Control element: Switch contacts top/bottom Display elements: LED to indicate the transmission Rated voltage: 3 V- Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 54 mm x 54 mm x 18 mm		
	212 white	NEW 6731-212-500	6730-0-0028
214 alpine white	Reflex SI		
	NEW 6731-214-500	6730-0-0030	1/10
1) Battery included in delivery.			

	Wall-mounted transmitter WaveLINE 1)¹⁾ 2-channel 2gang wall-mounted transmitter independent of mains power supply. For switching and dimming. For controlling blinds and light scenes. 2 radio channels can be operated or up to 4 light scenes can be called up. For flush-mounted WaveLINE actuators 6701, 6702, 6703, 6704 and 6705. For LED display WaveLINE 6730-xxx. Compatible with WaveLINE KNX gateway TP-RF 6770. Send frequency: 868 MHz. Range in free field: approx.100 m Power supply: lithium button cell battery Type CR2032. Battery life: typically 5 years, therefore practically maintenance-free. Automatic monitoring of battery life. Including fixing plate for mounting on smooth walls or on switch boxes. Control element: Switch contacts top/bottom Display elements: LED to indicate the transmission Rated voltage: 3 V- Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 54 mm x 54 mm x 18 mm		
	212 white	NEW 6732-212-500	6730-0-0029
214 alpine white	Reflex SI		
	NEW 6732-214-500	6730-0-0031	1/10
1) Battery included in delivery.			

Product	Article-No.	Order-No.	Pack/Qty
	Wall-mounted transmitter WaveLINE 1)¹⁾ 1-channel 1gang wall-mounted transmitter independent of mains power supply. With labelling field. For switching and dimming. For controlling blinds and light scenes. 1 radio channel can be operated or up to 2 light scenes can be called up. For flush-mounted WaveLINE actuators 6701, 6702, 6703, 6704 and 6705. For LED display WaveLINE 6730-xxx. Compatible with WaveLINE KNX gateway TP-RF 6770. Send frequency: 868 MHz. Range in free field: approx.100 m Power supply: lithium button cell battery Type CR2032. Battery life: typically 5 years, therefore practically maintenance-free. Automatic monitoring of battery life. Including fixing plate for mounting on smooth walls or on switch boxes. Control element: rocker switch left/right Display elements: LED to indicate the transmission Rated voltage: 3 V- Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm x 16 mm		
	82 savanna/ ivory white	NEW 6731-82-500	6730-0-0032
83 aluminium silver ⁴⁾	6731-83-500	6730-0-0035	1/10
84 davos/studio white	6731-84-500	6730-0-0038	1/10
future [®] linear ^{2) 3)}			
866 stainless steel	NEW 6731-866-500	6730-0-0041	1/10
1) Battery included in delivery. 2) See labelling sheet 1799/0x. 3) Matching labelling sheet 1799 14. 4) Surface painted.			

	Wall-mounted transmitter WaveLINE 1)^{1) 2) 3)} 2-channel 2gang wall-mounted transmitter independent of mains power supply. With labelling field. For switching and dimming. For controlling blinds and light scenes. 2 radio channels can be operated or up to 4 light scenes can be called up. For flush-mounted WaveLINE actuators 6701, 6702, 6703, 6704 and 6705. For LED display WaveLINE 6730-xxx. Compatible with WaveLINE KNX gateway TP-RF 6770. Send frequency: 868 MHz. Range in free field: approx.100 m Power supply: lithium button cell battery Type CR2032. Battery life: typically 5 years, therefore practically maintenance-free. Automatic monitoring of battery life. Including fixing plate for mounting on smooth walls or on switch boxes. Control element: rocker switch left/right Display elements: LED to indicate the transmission Rated voltage: 3 V- Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm x 16 mm		
	82 savanna/ ivory white	NEW 6732-82-500	6730-0-0033
83 aluminium silver ⁴⁾	6732-83-500	6730-0-0036	1/10
84 davos/studio white	6732-84-500	6730-0-0039	1/10
future [®] linear			
866 stainless steel	NEW 6732-866-500	6730-0-0042	1/10
1) Battery included in delivery. 2) See labelling sheet 1799/0x. 3) Matching labelling sheet 1799 14. 4) Surface painted.			

Product Article-No. Order-No. Pack/Qty



Wall-mounted transmitter WaveLINE 1) 2) 3)
4-channel
 4gang wall-mounted transmitter independent of mains power supply.
 With labelling field.
 For switching and dimming.
 For controlling blinds and light scenes.
 4 radio channels can be operated or up to 8 light scenes can be called up.
 For flush-mounted WaveLINE actuators 6701, 6702, 6703, 6704 and 6705.
 For LED display WaveLINE 6730-xxx.
 Compatible with WaveLINE KNX gateway TP-RF 6770.
 Send frequency: 868 MHz.
 Range in free field: approx. 100 m
 Power supply: lithium button cell battery Type CR2032.
 Battery life: typically 5 years, therefore practically maintenance-free.
 Automatic monitoring of battery life.
 Including fixing plate for mounting on smooth walls or on switch boxes.
 Control element: rocker switch left/right
 Display elements: LED to indicate the transmission
 Rated voltage: 3 V-
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm x 16 mm

future® linear

NEW

82	savanna/ ivory white	6733-82-500	6730-0-0034	1/10
83	aluminium silver 4)	6733-83-500	6730-0-0037	1/10
84	davos/studio white	6733-84-500	6730-0-0040	1/10

pure stainless steel 4)

NEW

866	stainless steel	6733-866-500	6730-0-0043	1/10
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- 1) Battery included in delivery.
- 2) See labelling sheet 1799/0x.
- 3) Matching labelling sheet 1799 14.
- 4) Surface painted.



Remote control WaveLINE 1)
 Network-independent radio control.
 For switching and dimming.
 For controlling blinds and light scenes.
 With 3 groups (A, B or C) with 5 pairs of channels.
 There are 15 radio channels operated singly or up to 30 light scenes can be called.
 With "ALL OFF" function for associated actuators.
 For flush-mounted WaveLINE actuators 6701, 6702, 6703, 6704 and 6705.
 For LED display WaveLINE 6730-xxx.
 Compatible with WaveLINE KNX gateway TP-RF 6770.
 Send frequency: 868 MHz.
 Range in free field: approx. 100 m
 Power supply: lithium button cell battery Type CR2032.
 Battery life: typically 5 years, therefore practically maintenance-free.
 Automatic monitoring of battery life.
 Control element: 3 Gruppentasten, 10 Kanaltasten und "ALLES AUS" Taste.
 Display elements: 3 LEDs for group selection display.
 Rated voltage: 3 V-
 Protection class (Device): IP 40
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 135 mm x 50 mm x 16 mm

NEW

black	6780-500	6780-0-0001	1/10
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- 1) Battery included in delivery.

Product Article-No. Order-No. Pack/Qty





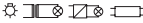



Switch actuator WaveLINE
 3 wire connection (neutral conductor required).
 For wireless switching of electrical loads.
 For functions ON/OFF, timer and lightscene control.
 For wall mounted transmitter WaveLine 6731-xxx, 6732-xxx und 6733-xxx.
 For remote control WaveLINE 6780.
 For Busch Watchdog® WaveLINE.
 For WaveLINE window position sensor 6720-6x.
 For WaveLINE 6721-xx universal signalling unit.
 For Busch-EnergyControl 6762-xx.
 Compatible with WaveLINE KNX gateway TP-RF 6770.
 Abschaltverzögerung: 1 s - 5 min. einstellbar.
 Repeater function can be activated for extended range.
 For universal attachment or installation.
 For installation in (deep) flush-mounted boxes to German Standard DIN 49073, Part 1.
 Controllable up to 32 transmission addresses.
 Send/receive frequency: 868 MHz.
 Range in free field: approx. 100 m
 Control element: Adjustable potentiometer
 Display elements: Status indication of output via LED.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Outputs: 1x Öffner oder Schließer, potentialfrei
 Suitable for: Resistive load
 Rated current: 10 A
 Output voltage: 230 V~
 Rated power: 2300 W
 Suitable for: capacitive
 Rated current: 10 AX
 Output voltage: 230 V~
 Rated power: 2300 VA
 Suitable for: inductive
 Rated current: 10 A, cos 0.6
 Output voltage: 230 V~
 Rated power: 2300 VA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 47 mm x 48 mm x 22 mm
 Installation depth: 25 mm

NEW



white	6702-500	6700-0-0023	1/10
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Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	2gang switch actuator WaveLINE 3 wire connection (neutral conductor required). For wireless switching of electrical loads. For operation mode 2gang switch, 2 separate outputs. For operation mode timer: output 1 (eg lighting), output 2: ON/Off delay in dependence of output 1 (eg fan control). For functions: ON/OFF and light scene control. For wall mounted transmitter Waveline 6731-xxx, 6732-xxx und 6733-xxx. For remote control WaveLINE 6780. For Busch Watchdog® WaveLINE. For WaveLINE window position sensor 6720-6x. For WaveLINE 6721-xx universal signalling unit. Compatible with WaveLINE KNX gateway TP-RF 6770. ON/OFF delay output 2: 2 min. / 30 s. Repeater function can be activated for extended range. For universal attachment or installation. For installation in (deep) flush-mounted boxes to German Standard DIN 49073, Part 1. Controllable up to 32 transmission addresses. Send/receive frequency: 868 MHz. Range in free field: approx.100 m Control element: Adjustable potentiometer Display elements: Status indication of output via LED. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps Rated current: 3 A Output voltage: 230 V~ Rated power: 690 W Suitable for: Fluorescent lamps Rated current: 3 AX Output voltage: 230 V~ Rated power: 690 VA Suitable for: Low voltage halogen lamps, which are operated by electronic transformers. Rated current: 3 A Output voltage: 230 V~ Rated power: 690 W/VA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 47 mm x 48 mm x 22 mm Installation depth: 25 mm				 Universal dimming actuator WaveLINE 1) 2-wire connection (neutral conductor not required) 3-wire connection system (neutral conductor is required) is preferred when using electronic transformers. For wireless switching and dimming of electrical loads. For functions ON/OFF, dimming and lightscene control. With soft ON/OFF function. With selectable light value storage. For wall mounted transmitter Waveline 6731-xxx, 6732-xxx und 6733-xxx. For remote control WaveLINE 6780. Compatible with WaveLINE KNX gateway TP-RF 6770. Repeater function can be activated for extended range. For universal attachment or installation. For installation in (deep) flush-mounted boxes to German Standard DIN 49073, Part 1. Controllable up to 32 transmission addresses. Send/receive frequency: 868 MHz. Range in free field: approx.100 m Control element: Adjustable potentiometer Display elements: Status indication of output via LED. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Dimmkanal Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Output voltage: 230 V~ Rated power: 35 - 250 W Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C Dimensions: (L x W x D): 47 mm x 48 mm x 33 mm Installation depth: 35 mm		
white	NEW  6703-500	6700-0-0024	1/10	white	NEW  6704-500	6700-0-0025	1/10
						1) Neutral conductor can be connected as option for load-dependent fluctuations in light values.	
					Blind actuator WaveLINE 3 wire connection (neutral conductor required). For driving and adjusting blinds/shutters and awnings over radio. Suitable for drives with mechanical or electronic end switches. For functions: OPEN/CLOSE, intermediate position, and scene control. For wall mounted transmitter Waveline 6731-xxx, 6732-xxx und 6733-xxx. For remote control WaveLINE 6780. Compatible with WaveLINE KNX gateway TP-RF 6770. Running time: 3 min Repeater function can be activated for extended range. For universal attachment or installation. For installation in (deep) flush-mounted boxes to German Standard DIN 49073, Part 1. Controllable up to 32 transmission addresses. Send/receive frequency: 868 MHz. Range in free field: approx.100 m Control element: Adjustable potentiometer Display elements: Status indication of output via LED. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential-bound Suitable for: Elektrische Antriebe Rated current: 3 A, cos 0.5 Output voltage: 230 V~ Rated power: 690 VA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 47 mm x 48 mm x 22 mm Installation depth: 25 mm		
				white	NEW  6705-500	6700-0-0026	1/10

Product Article-No. Order-No. Pack/Qty



Busch-Watchdog 220 WaveLINE^{1) 2) 3)}
 Wireless movement detector for detecting thermal motion. With display for detection and status indication. With ground and rear-field detection. With planar compensation: +/- 30°. With high-quality lens for optimum detection. Detection sensitivity selectable in 3 steps. Surveillance density: 84 sectors with 336 switching segments. All functions controlled by microprocessor. With automatic range stabilization. With automatic interference suppression. With automatic dazzle-proofing. With automatic battery monitoring. With brightness-independent test mode for evaluating the detection zone. Can be combined with WaveLINE 6701 built-in receiver. Compatible with WaveLINE KNX gateway TP-RF 6770. For standalone and group operation. Switch-off delay: 3 min. (standalone mode), adjustable at actuator (group operation). Send frequency: 868 MHz. Range in free field: approx. 100 m. Power supply: 3x 1.5 V batteries, type: mignon cell batteries (IEC LR06, AA). Battery life: approx. 5 years. Rated voltage: 4.5 V. Detection range: frontal: 16 m, lateral: 16 m. Detection angle: 220°. Brightness limit value: 0.5 Lux - 300 Lux, Daytime operation. Mounting height: 2.5 m. Protection class (Device): IP 55. Temperature range (Device): -25 °C to 55 °C. Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

201 brown	6745 AGM-201	6700-0-0019	1
204 white	6745 AGM-204	6700-0-0018	1/10
208 silver metallic	6745 AGM-208	6700-0-0021	1
35 anthracite	6745 AGM-35	6700-0-0020	1

1) Battery not included in delivery.
 2) Recommended battery type: lithium batteries: IEC FR06 (LR91 AA 1,5V).
 3) Alternative battery type: alkaline-manganese batteries: IEC LR06 (AA 1,5V).

Product Article-No. Order-No. Pack/Qty



Built-in wireless receiver
 3 wire connection (neutral conductor required). For wireless switching of electrical loads. For functions: permanent ON/1gang/1way, timer and light scene control. For Busch Watchdog® WaveLINE. For WaveLINE 6721-xx universal signalling unit. Compatible with WaveLINE KNX gateway TP-RF 6770. Switch-off delay: 60 to 30 min., adjustable. Repeater function can be activated for extended range. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For universal attachment or installation. For installation in (deep) flush-mounted boxes to German Standard DIN 49073, Part 1. Controllable up to 48 transmission addresses. Send/receive frequency: 868 MHz. Range in free field: approx. 100 m. Control element: Adjustable potentiometer. Display elements: Status indication of output via LED. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz. Inputs: 1. Polling voltage: 230 V~, Sensing pulse, L-wire. Outputs: 1x Normally open contact. Suitable for: Resistive load. Rated current: 10 A. Output voltage: 230 V~. Rated power: 2300 W. Suitable for: capacitive. Rated current: 10 AX. Output voltage: 230 V~. Rated power: 2300 VA. Suitable for: inductive. Rated current: 10 A, cos 0.6. Output voltage: 230 V~. Rated power: 2300 VA. Protection class (Device): IP 20. Temperature range (Device): -25 °C to 55 °C. Dimensions: (L x W x D): 47 mm x 48 mm x 30 mm. Installation depth: 30 mm

white	6701	6700-0-0022	1/10
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WaveLINE LED display^{1) 2)}
 For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-6x. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. Range in free field: approx. 100 m. Send/receive frequency: 868 MHz. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Dimensions: (L x W x D): 54 mm x 54 mm

212 white	6730-212	6730-0-0001	1
214 alpine white	6730-214	6730-0-0002	1

1) See labelling sheet 1799 xx.
 2) See labelling sheet 1799/Ox.



Product	Article-No.	Order-No.	Pack/Qty
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WaveLINE LED display 1) 2)

For status display of window handle positions: open = red, closed = green, tilted = yellow.
 Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
 4 individual LED display channels.
 Up to 8 WaveLine transmitters can be taught-in on each LED display channel.
 Up to 8 WaveLine transmitters can be taught-in on onsite operation.
 After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
 Status display for depleted WaveLINE transmitter battery.
 Status display for faulty transmission link and defective WaveLINE transmitter.
 User-friendly start-up without PC / software.
 Printed labelling sheet with 8 different inlay sheets.
 For WaveLINE window position sensor 6720-6x.
 For WaveLINE 6721-xx universal signalling unit.
 For Busch Watchdog 220 WaveLINE 6745 AGM.
 For Busch-Universal relay switch insert 6404 U.
 For universal dimmer switch insert 6595 U.
 For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102.
 Range in free field: approx.100 m
 Send/receive frequency: 868 MHz.
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 55 mm x 70 mm

alpha

20 platinum 3)	6730-20	6730-0-0007	1
21 bronze 3)	6730-21	6730-0-0008	1
22G ivory	6730-22G	6730-0-0009	1
24 studio white matt	6730-24	6730-0-0010	1
24G studio white	6730-24G	6730-0-0011	1
260 palladium 3)	6730-260	6730-0-0005	1
266 titanium 3)	6730-266	6730-0-0006	1

- 1) See labelling sheet 1799 xx.
 2) See labelling sheet 1799/0x.
 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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WaveLINE LED display 1)

For status display of window handle positions: open = red, closed = green, tilted = yellow.
 Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
 4 individual LED display channels.
 Up to 8 WaveLine transmitters can be taught-in on each LED display channel.
 Up to 8 WaveLine transmitters can be taught-in on onsite operation.
 After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
 Status display for depleted WaveLINE transmitter battery.
 Status display for faulty transmission link and defective WaveLINE transmitter.
 User-friendly start-up without PC / software.
 Printed labelling sheet with 8 different inlay sheets.
 For WaveLINE window position sensor 6720-6x.
 For WaveLINE 6721-xx universal signalling unit.
 For Busch Watchdog 220 WaveLINE 6745 AGM.
 For Busch-Universal relay switch insert 6404 U.
 For universal dimmer switch insert 6595 U.
 Range in free field: approx.100 m
 Send/receive frequency: 868 MHz.
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

future® linear 2)

81 anthracite	6730-81	6730-0-0014	1
82 savanna/ ivory white	6730-82	6730-0-0015	1
83 aluminium silver 3)	6730-83	6730-0-0016	1
84 davos/studio white	6730-84	6730-0-0017	1
884 studio white matt 3)	6730-884	6730-0-0026	1
885 black matt 3)	6730-885	6730-0-0027	1

solo® 2)

82 savanna/ ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
87 toscana/purple 1)	6730-87	6730-0-0020	1
803 meteor/ grey metallic 3)	6730-803	6730-0-0025	1
815 sahara/yellow	6730-815	6730-0-0024	1

Busch-axcent®

84 davos/studio white	6730-84	6730-0-0017	1
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carat® 2)

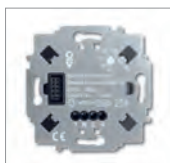
81 anthracite	6730-81	6730-0-0014	1
82 savanna/ ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1

pure stainless steel 4) 2)

866 stainless steel	6730-866	6730-0-0023	1
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- 1) See labelling sheet 1799 xx.
 2) See labelling sheet 1799/0x.
 3) Surface painted.
 4) Surface-painted
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal relay switch insert ¹⁾

For switching incandescent lamps, 230 V tungsten halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are actuated via transformers.

3 wire connection (neutral conductor required).

With operating mode switch for operating mode: switch, time switch.

Switch operating mode: press on the upper rocker switch half to switch the light on, press on the lower rocker switch half to switch the light off.

Time switch operating mode: press on the upper rocker switch half to switch the light on, the light automatically switches off after a time delay. Manual switching off not possible. The delay can be set in 5 steps between 30 and 300 secs.

Operation also possible via conventional push buttons (2020 US, 2021/6 UK).

For LED display WaveLINE 6730-xxx.

Rated voltage: 230 V~, +10 % / -10 %

Rated frequency: 50 Hz

Inputs: 1

Polling voltage: 230 V~, Sensing pulse, L-wire

Outputs: 1x Normally open contact, potential-bound

Suitable for: ohmic, capacitive and inductive loads

Rated current: 10 AX

Rated power: 2300 W/VA

Protection class (Device): IP 20

Temperature range (Device): 0 °C to 35 °C

Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm



6404 U

6401-0-0055

1

1) Fixation by using key holes or attachable claws (enclosed).



Universal Dimmer Switch Insert ^{1) 2) 3)}

For dimming and switching of incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional or electronic transformers.

2-wire connection (neutral conductor not required)

With soft ON/OFF function.

With electronic short-circuit protection.

With automatic overtemperature protection.

With operating mode switch for operating mode: dimmer, switch

Dimmer operating mode: short press on the upper rocker switch half to switch the light on, short press on the lower rocker switch half to switch the light off.

Dimmer operating mode: long press on the upper rocker switch half dims, with light switched on, the light brighter, or with light switched off the light brighter from nothing. Long press on the lower rocker switch half dims the light darker.

Switch operating mode: press on the upper rocker switch half to switch the light on, press on the lower rocker switch half to switch the light off.

Operation also possible via conventional push buttons (2020 US, 2021/6 UK).

Do not operate conventional transformers and electronic transformers together on the universal dimmer switch insert.

For LED display WaveLINE 6730-xxx.

Rated voltage: 230 V~, +10 % / -10 %

Rated frequency: 50 Hz

Inputs: 1

Polling voltage: 230 V~, Sensing pulse, L-wire

Outputs: 1x electronic output, potential-bound

Suitable for: ohmic, capacitive and inductive loads

Rated power: 60 - 450 W/VA

Protection class (Device): IP 20

Temperature range (Device): 0 °C to 35 °C

Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm



6595 U

6590-0-0188

1

1) Fixation by using key holes or attachable claws (enclosed).

2) In the case of conventional transformers, take ~20% transformer loss into account.

3) In case of electronic transformers, 5% transformer losses.

Product	Article-No.	Order-No.	Pack/Qty
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WaveLINE window position sensor

For monitoring and transmission of the current window handle position (window open, closed, tilted).

The WaveLINE window position sensor transmits the current window handle position immediately upon operation.

Addition cyclic transmission for monitoring of the transmission link and the fault-free state of equipment.

Existing window handle is used.

The WaveLINE window position sensor is installed between the existing window handle and window frame.

Suitable for window handle: 7 mm square fastener, 43 mm attachment screw separation, lifter dia. 10 and 12 mm, max. mounting plate size 34 x 77 mm (WxH).

No wire laying required.

Accessories for assembly (square fastener extension, screws, adapter for lifter) of the WaveLINE window position sensor included in delivery.

Battery included in delivery.

Battery life: typically 5 years, therefore practically maintenance-free.

Monitoring of battery life and transmission of battery condition.

For LED display WaveLINE 6730-xxx.

Range in free field: approx. 100 m

Send frequency: 868 MHz.

Protection class (Device): IP 43

Temperature range (Device): -5 °C to 50 °C

Dimensions: (L x W x D): 168 mm x 38 mm x 13 mm

64 studio white matt

6720-64

6720-0-0001

1

65 basalt black

6720-65

6720-0-0002

1

66 stainless steel ¹⁾

6720-66

6720-0-0003

1

1) Surface painted.



WaveLINE universal sensor

For monitoring and transmission of the state (open, closed) of dormer windows, skylights, doors and gates.

For window surveillance with open fireplace and extractor hood pursuant to Article 4 of the German Fire Prevention Regulations.

Additional connection option for an external, potential-free sensor (choice of normally closed or normally open contact). Isolated evaluation and monitoring of channels.

The WaveLINE universal sensor immediately transmits the current information when there is a change in state.

Addition cyclic transmission for monitoring of the transmission link and the fault-free state of equipment.

Attachment of WaveLINE universal sensor and magnets by using adhesive foil or screws.

Accessories (adhesive foil, screws, magnet) included in delivery.

Battery included in delivery.

Battery life: typically 5 years, therefore practically maintenance-free.

Monitoring of battery life and transmission of battery condition.

External sensor max. wire length: 5 m

External sensor terminal connection diameter : 0.14...0.5 mm² (single wire)

Range in free field: approx. 100 m

Send frequency: 868 MHz.

For LED display WaveLINE 6730-xxx.

For installation receiver WaveLINE 6701.

Protection class (Device): IP 43

Temperature range (Device): -5 °C to 50 °C

Dimensions: (L x W x D): 118 mm x 30 mm x 22 mm

64 studio white matt

6721-64

6720-0-0004

1


65 basalt black

6721-65


6720-0-0005


1




Product	Article-No.	Order-No.	Pack/Qty
	KNX Gateway TP-RF ^{1) 2)} KNX Twisted Pair/ KNX WaveLine RF media converter with internal antenna for conversion of the radio signals to the KNX ABB i-bus [®] KNX with 24 channels. For the evaluation and transfer of up to 24 channels each with 4 sub-channels as transmitter or receiver. Simple operation due to "programming button" and display on the device. Is surface-mounted. Control element: 3 control buttons Display elements: Segment display Connections: KNX-line: Bus terminal Rated voltage: 24 V- Inputs: 24 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 84 mm x 84 mm x 36 mm		
	NEW 6770-500	6770-0-0002	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) ETS programming only from ETS 3.0f

Product	Article-No.	Order-No.	Pack/Qty
	IR remote control Battery-supplied infrared remote control. For infrared receiver (60xx). For KNX presence detectors and KNX sensors with infrared interface. For switching/dimming up to 10 loads in 2 groups (1-5 / 6-10). Programming and selection of 2 MEMO memories possible per group. Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery. Range: 15 m Rated voltage: 6 V-		
	6010-25-500	6020-0-1133	1

	IR Wall-Mounted transmitter ^{1) 2)} Battery-supplied infrared remote control. For infrared receiver and KNX flush-mounted infrared interfaces (selection of 2 memo functions for each address group and ALL OFF). Address group switch-over (1-5/6-10) Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery) Range: 15 m		
	<i>alpha</i> 20 platinum ³⁾ 6020-20 21 bronze ³⁾ 6020-21 24 studio white matt 6020-24-500 24G studio white 6020-24G-500	6020-0-0036 6020-0-0044 6020-0-1281 6020-0-1299	1/10 1/10 1 1

- 1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
 2) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 3) Surface painted.

	IR Wall-Mounted transmitter ¹⁾ 1-channel Battery-supplied infrared remote control. For infrared reception and EIB flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group.). Range: 15 m Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)		
	<i>alpha</i> 20 platinum ²⁾ 6021-20 21 bronze ²⁾ 6021-21 24 studio white matt 6021-24-500 24G studio white 6021-24G-500	6020-0-0754 6020-0-0762 6020-0-1315 6020-0-1307	1 1 1 1

- 1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 2) Surface painted.

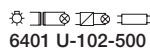
	Fixing Bracket For wall-mounted transmitter 6020-.../6021-... For commercially available flush-mounted boxes.		
	6090	6099-0-0014	10

Product Article-No. Order-No. Pack/Qty



Busch-Universal relay switch insert

3 wire connection (neutral conductor required).
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C.
 For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
 For Comfort timer control element 6455.
 For Busch-Remote control IR control cover 6067-xxx-10x.
 For control cover with control lamp 6543-xxx-10x.
 Combinable with Busch Watchdog extension insert 6805 U.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
 Rated current: 10 AX
 Rated power: 2300 W/VA
 Temperature range (Device): -25 °C to 55 °C
 British Standard EN 60669-2-1

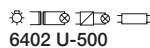


6401 U-102-500 6401-0-0049 1/10



Busch-Universal 2gang 1 way insert

3 wire connection (neutral conductor required).
 For the serial switch operating mode: 2 separate outputs, 2 separate extension inputs.
 For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control).
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
 For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
 For control cover 6430-xxx-10x and 6543-xxx-10x.
 Combinable with Busch Watchdog extension insert 6805 U.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Outputs: 2x Normally open contact, potential-bound
 Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
 Rated current: 10 AX
 Rated power: 2300 W/VA
 Temperature range (Device): 0 °C to 35 °C
 British Standard EN 60669-2-1



6402 U-500 6401-0-0051 1/10

Product Article-No. Order-No. Pack/Qty



Busch-Universal master dimmer Insert ^{1) 2) 3)} Touch Dimmer

with light-level memory and intelligence for universal operation
 Selectable Soft-ON/OFF function and memory function.
 Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 Short-circuit protected, overload-protected.
 With touch control.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Without control cover.
 For control cover with control lamp 6543-xxx-10x.
 For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
 For Comfort timer control element 6455.
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
 Combinable with Busch Watchdog extension insert 6805 U.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 60 - 420 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1



6593 U-500 6590-0-0171 1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.



Busch-Memory touch-type controller ^{1) 2)}

3 wire connection (neutral conductor required).
 For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC.
 For control cover with control lamp 6543-xxx-10x.
 For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
 For Comfort timer control element 6455.
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813-xxx-101 und 6813/11-xxx.
 Combinable with Busch Watchdog extension insert 6805 U.
 Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 For LED control via control gears
 Without control cover.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 700 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1



6550 U-101-500 6550-0-0042 1

- 1) Non-illuminable.
- 2) with integrated making-current limiter



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-101	6410-0-0377	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>alpha</i>		
20 platinum 2)	6066-20-102	6020-0-1316	10
21 bronze 2)	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white matt	6066-24-102-500	6020-0-1371	1
24G studio white	6066-24G-102-500	6020-0-1372	1
260 palladium 2)	6066-260-102	6020-0-1365	1/10
266 titanium 2)	6066-266-102	6020-0-1366	1/10
	<i>impuls</i>		
72 ivory	6066-72-101	6020-0-1385	1
74 alpine white	6066-74-101-500	6020-0-1190	1
79 champagne metallic 2)	6066-79-101	6020-0-0606	1
774 studio white matt 2)	6066-774-101	6020-0-1405	1
775 black matt 2)	6066-775-101	6020-0-1401	1
777 blackberry 2)	6066-777-101	6020-0-1391	1
783 aluminium silver 2)	6066-783-101	6020-0-1386	1

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.

	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>future® linear</i>		
81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
83 aluminium silver 2)	6066-83	6020-0-1383	1/10
84 davos/studio white	6066-84	6020-0-1334	1/10
884 studio white matt 2)	6066-884	6020-0-1397	1/10
885 black matt 2)	6066-885	6020-0-1399	1/10
	<i>solo®</i>		
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
87 toscana/purple)	6066-87	6020-0-1340	1/10
803 meteor/			
grey metallic 2)	6066-803	6020-0-1395	1/10
815 sahara/yellow	6066-815	6020-0-1393	1/10
	<i>Busch-axcent®</i>		
84 davos/studio white	6066-84	6020-0-1334	1/10
	<i>carat®</i>		
81 anthracite	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
	<i>pure stainless steel</i>		
866 stainless steel	6066-866	6020-0-1389	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**IR control element
With marking, illuminated**
For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

alpha

20 platinum ¹⁾	6067-20-102	6020-0-1324	10
21 bronze ¹⁾	6067-21-102	6020-0-1325	10
22G ivory	6067-22G-102	6020-0-1326	10
24 studio white matt	6067-24-102-500	6020-0-1373	1
24G studio white	6067-24G-102-500	6020-0-1374	1
260 palladium ¹⁾	6067-260-102	6020-0-1369	1/10
266 titanium ¹⁾	6067-266-102	6020-0-1370	1/10

impuls

72 ivory	6067-72-101	6020-0-1387	1
74 alpine white	6067-74-101-500	6020-0-1224	1
79 champagne metallic ¹⁾	6067-79-101	6020-0-0986	1
774 studio white matt ¹⁾	6067-774-101	6020-0-1407	1
775 black matt ¹⁾	6067-775-101	6020-0-1403	1
777 blackberry ¹⁾	6067-777-101	6020-0-1392	1
783 aluminium silver ¹⁾	6067-783-101	6020-0-1388	1

1) Surface painted.



**IR control element
With marking, illuminated**
For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

future® linear

81 anthracite	6067-81	6020-0-1380	1/10
82 savanna/ivory white	6067-82	6020-0-1333	1
83 aluminium silver ¹⁾	6067-83	6020-0-1384	1/10
84 davos/studio white	6067-84	6020-0-1335	1
884 studio white matt ¹⁾	6067-884	6020-0-1398	1/10
885 black matt ¹⁾	6067-885	6020-0-1400	1/10

solo®

82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1
87 toscana/purple ¹⁾	6067-87	6020-0-1341	1
803 meteor/grey metallic ¹⁾	6067-803	6020-0-1396	1/10
815 sahara/yellow	6067-815	6020-0-1394	1/10

Busch-axcent®

84 davos/studio white	6067-84	6020-0-1335	1
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carat®

81 anthracite	6067-81	6020-0-1380	1/10
82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1

pure stainless steel

866 stainless steel	6067-866	6020-0-1390	1/10
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1) Surface painted.

¹⁾ Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Blind control II built-in unit ¹⁾ 2) 2gang
For joint switching of 2 blind drives via a 230 V multi-way input terminal.
Additional IR remote control via IR flying receiver 6045 E-101 possible.
Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx
Rated voltage: 230 V~
Rated frequency: 50 Hz
Outputs: 4x Normally open contact
Rated current: 3 A, cos 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

6420 EB-500	6420-0-0020	1
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- 1) Suitable for multi-phase operation.
- 2) Individual operation of the blinds is possible using infrared remote control (e.g. 6010-25).



IR receiver ¹⁾ 4gang
For switching 4 consumers
Operation also possible via 2 conventional push buttons (2020 US/2021/6 US).
Central disablement of all outputs possible.
Additional IR remote control via IR flying receiver 6045 E-101 possible.
Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 4x Normally open contact, potential-bound
Rated current: 6 A, cos 1
Rated current: 3 A, cos 0.5
Temperature range (Device): 0 °C to 35 °C

6056 EB-500	6020-0-1232	1
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- 1) Push-switch operation possible via additional wire bridge.



IR flying receiver ¹⁾
For controlling the built-in devices: 6420 built-in/6056 built-in.
With approx. 0.5 m supply lead.
Length of the linear lamp: 30 mm
Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.

6045 E-101-500	6020-0-1240	1
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- 1) Feed line cannot be extended.



IR dimmer 1-10 V
For luminaries.
For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC.
Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 500 W
Temperature range (Device): 0 °C to 60 °C

6045-500	6020-0-1265
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IR Switch with adapter plug
For incandescent lamps, 230 V tungsten halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Socket outlet ready for connection.
Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 2300 W

24 studio white	6080-24-500	6020-0-1166	1
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ABB i-bus[®] KNX. Completely networked building technology.

KNX has been an integral part of contemporary building management as a worldwide system for more than 20 years. This proven technology is powerful and flexible, allowing the installation of systems for every building and for every conceivable task.



01



reddot design award
best of the best 2008

As a special award, Busch-ComfortTouch® received the distinction "best of the best" from the "red dot award: communication design 2008" for its interface design.

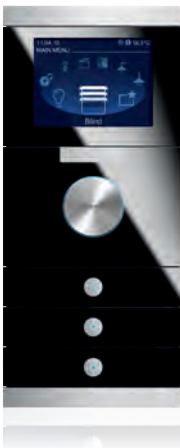
ABB i-bus® KNX

- 01 Busch-ComfortTouch®, glass black with chrome design bar
- 02 Busch-priOn® – 3gang combination, glass black

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02



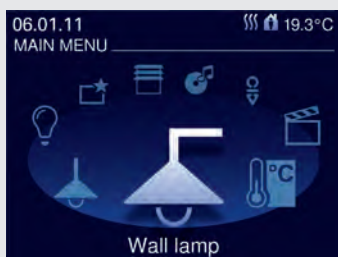
Busch-priOn®

The central control unit

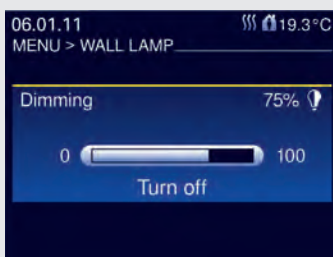
Busch-priOn® allows you to control and monitor functions for the entire room. Light, scenes, timer, blind control, heating control – all functions are performed intuitively via a rotary regulator. The 8,89cm (3,5") TFT display shows all information in an easy-to-read manner. Busch-priOn®

is not frame-bound and can be of a modular structure. Via the rocker switches freely programmable functions such as light scenes, blind functions or specific lights can be called up. Busch-priOn® can be ideally adapted to all customer requirements. There is a choice of four high-quality design

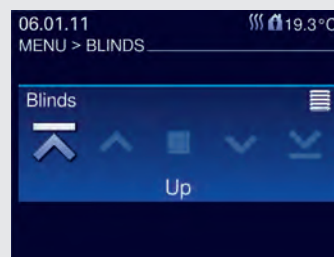
versions: glass white, glass black, plastic gloss white and stainless steel with anti-fingerprint coating.



Lighting



Lighting



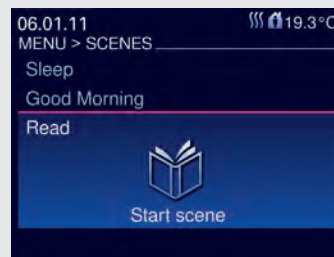
Blinds



Climate control



Heating



Scenes

Busch-priOn®

- 01 Glass black
- 02 Studio white
- 03 Stainless steel
- 04 Glass white

01



02



03

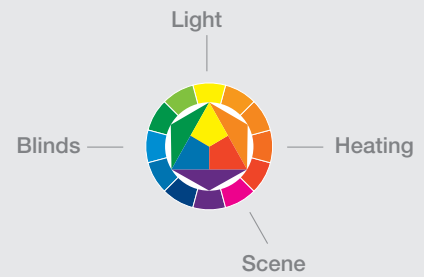


04



Colours fulfill life and can make it more beautiful and more easy. Long lasting LED technology in the Busch-priOn® transfers this to reality, it lights up in the colour of the desired function, which provides an immediate confirmation for the selected function. Yellow stands for lighting, blue for

the blind control unit, magenta for light scenes and orange for the heating control unit. These colours are repeated in the rocker switches of the surface control elements. Busch-priOn® is a uniform control and colour concept.



Busch-priOn®

- 01 2gang combination, Glass black
- 02 Rotary control element, Glass black
- 03 Flush mounted movement sensor, Glass black
- 04 1gang control element, Glass black
- 05 3gang control element with room temperature controller, Glass black
- 06 SCHUKO® socket outlet, Switch series carat®

The Busch-priOn® is ideally combinable with the carat® switch series. These switches distinguish themselves through their uniformly-designed surfaces.

06



01



02



03



04



05



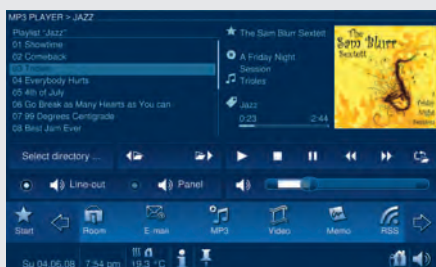
Busch-ComfortTouch®.

Full control and comfort at your finger tips.

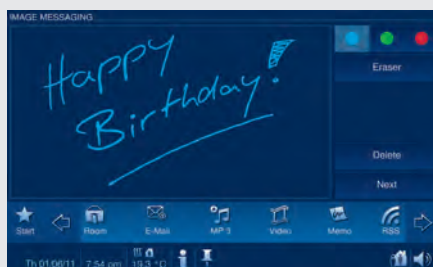
The Busch-ComfortTouch® unites the functions of a house control and an information and entertainment centre with a beautiful masterpiece. With the Busch-ComfortTouch®, you can operate or dim the lights, control your blinds, regulate the room temperature or create scenes from a combination of the functions listed – even by remote control. You can increase

the security of your house through presence simulation and alarm and information messages. And if you want to know who is at the door or outside the house, then switch the camera to exterior view and you will immediately feel secure. You can also use the brilliant audio player for MP3 files and a video player to play films. You can leave voice and graphic

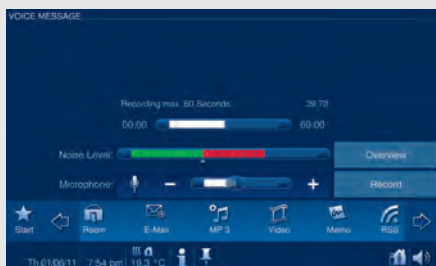
messages for other family members, access e-mails, track up-to-date stock market news, have a look at the weather or the latest traffic reports or simply set a wake-up alarm. And all this with an intuitive touch control, supported by a novel colour coding system. You will soon certainly find you that you do not want to be without the Busch-ComfortTouch®.



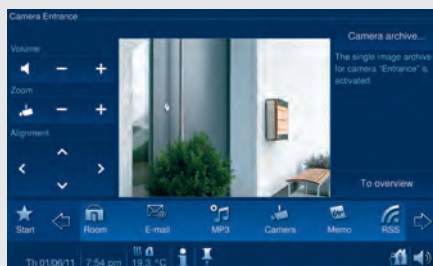
Integrated MP3 player



Graphic memo



Voice message



Video surveillance



Can be ordered at: www.mobotix.de

Busch-ComfortTouch® is suited for the integration of Mobotix and a large number of Axis cameras; control functions can thus be performed without a problem.

Busch-ComfortTouch®

- 01 Glass white, aluminium design bar
- 02 Glass white, chrome design bar
- 03 Glass black, aluminium design bar

01



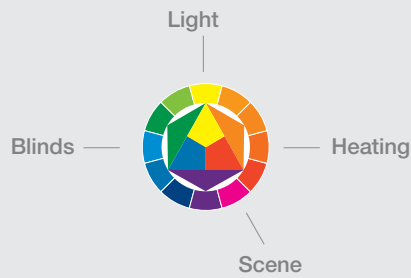
02



03



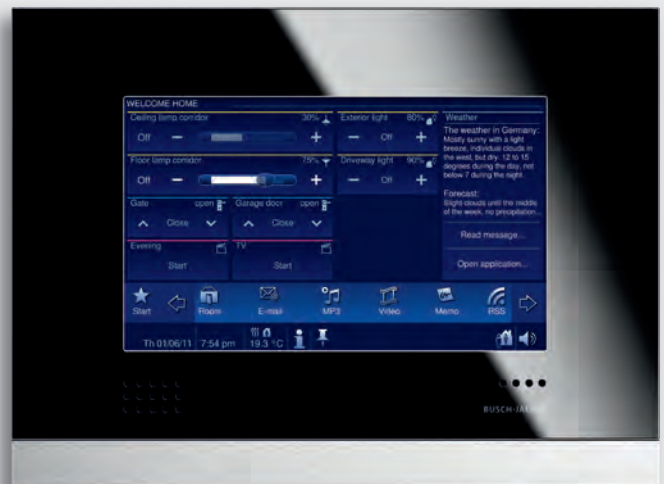
During operation, simplicity and user-friendliness always have top priority. For the user interface of its intelligent house control system, ABB/Busch-Jaeger has developed a completely new and unique LED colour code concept. A special colour that follows simple logic has been assigned to each comfort zone:



- Lighting control is yellow like the sun.
- Blind functions are blue like the sky.
- Climate control functions are orange to suggest warmth.
- Living scenes are magenta to suggest quality of life.



Thanks to the cooperation with Bang & Olufsen, which goes back many years, the Beo4 and Beo6 remote controls can be combined with the Busch-ComfortTouch®. Many functions can be performed using the remote controls. You can also use the IR remote control of ABB/Busch-Jaeger.



- 01 Busch-ComfortTouch®
Glass black, chrome design bar
» Camera module available as an option
- 02 Busch-priOn®
2gang combination, glass black

01



02



The Busch-ComfortTouch® is ideally combinable with Busch-priOn® and the carat® switch series. These switches distinguish themselves through their uniformly-designed surfaces.



End strips without function

End strip

studio white,
article no. 6348-24G-101-500

glass white,
article no. 6348-810-101-500

glass black,
article no. 6348-825-101-500

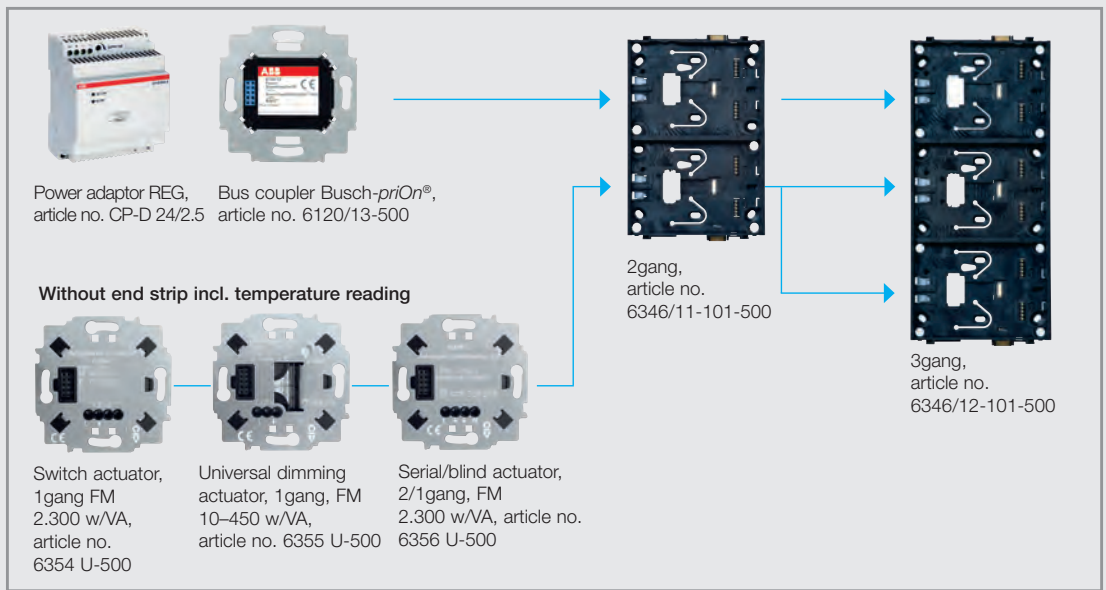
stainless steel,
article no. 6348-860-101-500

Support frame, bus coupler



Note:

This power adaptor can supply up to 15 power bus couplers with current.



FM actuators

End strip



Commissioning adaptor,
article no. 6149/21-500

End strips without function

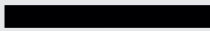
studio white,
article no. 6349-24G-101-500

glass white,
article no. 6349-810-101-500


glass black,
article no. 6349-825-101-500

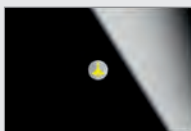
stainless steel,
article no. 6349-860-101-500


End strip with IR proximity function



glass black,
article no.
6350-825-101-500


Note:
only combinable with
3gang control element



Single-line display and
room thermostat,
article no.
6351-825-101-500


Control element, 1gang,
article no.
6340-825-101-500


Control element, 3gang,
article no.
6342-825-101-500


Colour display with
rotary control element,
article no.
6344-825-101-500


Rotary control element,
1gang, article no.
6341-825-101-500


Busch-Watchdog, 180 FM,
article no. 6345-825-101-500

Colour range


Busch-priOn®
glass black


Busch-priOn®
studio white,
gloss


Busch-priOn®
stainless steel


Busch-priOn®
glass white

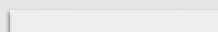
Labelling symbols

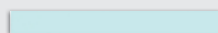


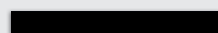
Labelling inserts for blinds, lighting, RTC and scene. The colours are repeated in the Busch-Jaeger colour concept.

End strips with temperature sensor.

Not combinable with FM actuators.


studio white,
article no. 6352-24G-101-500


glass white,
article no. 6352-810-101-500


glass black,
article no. 6352-825-101-500



stainless steel,
article no. 6352-860-101-500

ABB i-bus® KNX Inputs

Binary Inputs Selection Table

	BE/S 4.20.2.1	BE/S 4.230.2.1	BE/S 8.20.2.1	BE/S 8.230.2.1	US/U 2.2	US/U 4.2	US/U 12.2
General							
Voltage range	–	10...230 V	–	10...230 V	–	–	–
Voltage type	–	AC/DC	–	AC/DC	–	–	–
Contact scanning	■	–	■	–	■	■	
Inputs	4	4	8	8	2	4	12
Type of installation	MDRC	MDRC	MDRC	MDRC	FM	FM	FM
Module width (space unit)	2	2	4	4	–	–	–
Switch sensor							
Send switch value after any edge	■	■	■	■	■	■	■
Send switch value after signal length and/or cyclically	■	■	■	■	■	■	■
Send switch value 1 cyclically	■	■	■	■	■	■	■
Send switch value 2	■	■	■	■			
Send switch value 3	■	■	■	■			
Difference between short and long operation	■	■	■	■	■	■	■
Dim sensor							
Start-stop dimming, step-by-step dimming	■	■	■	■	■	■	■
One-touch dimming	■	■	■	■	■	■	■
Shutter Sensor							
Shutter operation via a push button/switch	■	■	■	■	■	■	■
Shutter operation via two push buttons/switches	■	■	■	■	■	■	■
Value/Forced operation							
1 bit [0/1], 2 bit forced operation	■	■	■	■	■	■	■
1/2/4 bytes	■	■	■	■	■	■	■
Signed	■	■	■	■			
3 byte, time, weekday	■	■	■	■			
Control scene							
8 bit scene	■	■	■	■	■	■	■
Store scene	■	■	■	■	■	■	■
Switching sequence							
Several preset sequences can be set	■	■	■	■	■	■	■
Link several push buttons in a switching sequence (actuating number)	■	■	■	■	■	■	■
Multiple operation							
Telegram for long operation	■	■	■	■	■	■	■
Multiple operation can be set	■	■	■	■	■	■	■
Pulse counter							
Adjustable data type and threshold values	■	■	■	■	■	■	
Temporary counter activation	■	■	■	■	■	■	
Send counter level cyclically	■	■	■	■	■	■	
Manual operation							
Energy-saving mode	■	■	■	■			
Enable/release manual operation	■	■	■	■			
Manual operating status	■	■	■	■			
Enable/release manual operation button per input	■	■	■	■			
Input LED can be inverted	■	■	■	■			
Special functions							
Copying and exchanging parameter settings	■	■	■	■			
Enable/disable input	■	■	■	■	■	■	■
Adjustable debounce time and minimum signal time	■	■	■	■	■	■	■
Limit the number of telegrams	■	■	■	■	■	■	■
Device sends an "In operation" telegram"	■	■	■	■			
Heating valve control (electric relay)					■	■	■
Switch LEDs					■	■	■

■ – Function is supported

ABB i-bus® KNX Switch Actuators

Switching Capacity Overview

The following table provides an overview of the rated values, switching performance, lamp loads or the number of lamps, which can be connected to a contact:

	SA/S 4.6.1 SA/S 8.6.1 SA/S 12.6.1	SA/S 2.10.1 SA/S 4.10.1 SA/S 8.10.1 SA/S 12.10.1	SA/S 2.16.1 SA/S 4.16.1 SA/S 8.16.1 SA/S 12.16.1	SA/S 2.16.5.1 SA/S 4.16.5.1 SA/S 8.16.5.1 SA/S 12.16.5.1	SA/S 2.16.6.1 SA/S 4.16.6.1 SA/S 8.16.6.1 SA/S 12.16.6.1
I_n rated current (A)	6 A	10 AX	16 A	16/20 AX C-Last	16/20 AX C-Last
U_n rated voltage (V)	250/440 V AC	250/440 V AC	250/440 V AC	250/440 V AC	250/440 V AC
AC1 operation (cos φ = 0.8) EN 60947-4-1	6 A	10 A	16 A	20 A	20 A
AC3 operation (cos φ = 0.45) EN 60947-4-1	6 A	8 A	– ⁴⁾	16 A	16 A
C-Load switching capacity	–	–	–	20 A	20 A
Fluorescent lighting load AX to EN 60669-1	6 A (35 µF) ³⁾	10 AX (140 µF) ³⁾	16 A (70 µF) ³⁾	20 AX (200 µF) ³⁾	20 AX (200 µF) ³⁾
Minimum switching capacity	10 mA/12 V	100 mA/12 V	100 mA/12 V	100 mA/12 V	100 mA/12 V
DC current switching capacity (resistive load)	7 A/24 V =	10 A/24 V =	16 A/24 V =	20 A/24 V =	20 A/24 V =
Mechanical service life	> 10 ⁷	> 3 x 10 ⁶	> 3 x 10 ⁶	> 10 ⁶	> 10 ⁶
Electronic endurance to IEC 60947-4-1:					
– Rated current AC1 (240 V/0.8)	100.000	100.000	100.000	100.000	100.000
– Rated current AC3 (240 V/0.45)	15.000	30.000	30.000	30.000	30.000
– Rated current AC5a (240 V/0.45)	15.000	30.000	30.000	30.000	30.000
Incandescent lamp load at 230 V AC	1200 W	2500 W	2500 W	3680 W	3680 W
Fluorescent lamp T5 / T8:					
– Uncorrected	800 W	2500 W	2500 W	3680 W	3680 W
– Parallel compensated	300 W	1500 W	1500 W	2500 W	2500 W
– DUO circuit	350 W	1500 W	1500 W	3680 W	3680 W
Low-voltage halogen lamps:					
– Inductive transformer	800 W	1200 W	1200 W	2000 W	2000 W
– Electronic transformer	1000 W	1500 W	1500 W	2500 W	2500 W
Halogen lamp 230 V	1000 W	2500 W	2500 W	3680 W	3680 W
Dulux lamps:					
– Uncorrected	800 W	1100 W	1100 W	3680 W	3680 W
– Parallel compensated	800 W	1100 W	1100 W	3000 W	3000 W
Mercury-vapour lamps:					
– Uncorrected	1000 W	2000 W	2000 W	3680 W	3680 W
– Parallel compensated	800 W	2000 W	2000 W	3000 W	3000 W
Sodium vapour lamps:					
– Uncorrected	1000 W	2000 W	2000 W	3680 W	3680 W
– Parallel compensated	800 W	2000 W	2000 W	3000 W	3000 W
Max. peak inrush-current I_p (150 µs)	200 A	400 A	400 A	600 A	600 A
Max. peak inrush-current I_p (250 µs)	160 A	320 A	320 A	480 A	480 A
Max. peak inrush-current I_p (600 µs)	100 A	200 A	200 A	300 A	300 A
Number of electronic ballasts (T5/T8, single element)²⁾					
18 W (ABB ballasts 1 x 18 SF)	10 ballasts	23 ballasts	23 ballasts	26 ¹⁾ ballasts	26 ¹⁾ ballasts
24 W (ABB ballasts 1 x 24 CY)	10 ballasts	23 ballasts	23 ballasts	26 ¹⁾ ballasts	26 ¹⁾ ballasts
36 W (ABB ballasts 1 x 36 CF)	7 ballasts	14 ballasts	14 ballasts	22 ballasts	22 ballasts
58 W (ABB ballasts 1 x 58 CF)	5 ballasts	11 ballasts	11 ballasts	12 ¹⁾ ballasts	12 ¹⁾ ballasts
80 W (Helvar EL 1 x 80 SC)	3 ballasts	10 ballasts	10 ballasts	12 ¹⁾ ballasts	12 ¹⁾ ballasts

¹⁾ The number of ballasts is limited by the protection with B16/B20 circuit-breakers.

²⁾ For multiple element lamps or other types, the number of electronic ballasts must be determined using the peak inrush current of the electronic ballasts.

³⁾ The maximum peak inrush current may not be exceeded.

⁴⁾ Not intended for AC3 operation, see Technical Data for maximum AC3 current.

ABB i-bus® KNX Switch Actuators

An Overview of all Software Functions

Overview

The following table provides an overview of the functions possible with the Switch Actuators and their application programs:

	SA/S 4.6.1 SA/S 8.6.1 SA/S 12.6.1	SA/S 2.10.1 SA/S 4.10.1 SA/S 8.10.1 SA/S 12.10.1	SA/S 2.16.1 SA/S 4.16.1 SA/S 8.16.1 SA/S 12.16.1	SA/S 2.16.5.1 SA/S 4.16.5.1 SA/S 8.16.5.1 SA/S 12.16.5.1	SA/S 2.16.6.1 SA/S 4.16.6.1 SA/S 8.16.6.1 SA/S 12.16.6.1
Type of installation	MDRC	MDRC	MDRC	MDRC	MDRC
Number of outputs	4/8/12	2/4/8/12	2/4/8/12	2/4/8/12	2/4/8/12
Module width (space unit)	2/4/6	2/4/8/12	2/4/8/12	2/4/8/12	2/4/8/12
Manual operation	-	■	■	■	■
Contact position display	-	■	■	■	■
I _n rated current (A)	6 A	10 AX	16 A	16/20 AX C-Load	16/20 AX C-Load
Current detection	-	-	-	-	■
Switch function					
- ON/OFF delay	■	■	■	■	■
- Staircase light	■	■	■	■	■
- Warning before end of staircase lighting	■	■	■	■	■
- Staircase lighting time set via object	■	■	■	■	■
- Flashing	■	■	■	■	■
- Switch response can be set (N.O./N.C.)	■	■	■	■	■
- Thresholds	■	■	■	■	■
Current detection					
- Threshold value monitoring	-	-	-	-	■
- Measured value detection	-	-	-	-	■
Function Scene					
■	■	■	■	■	■
Function Logic					
- Logic AND function	■	■	■	■	■
- Logic OR function	■	■	■	■	■
- Logic XOR function	■	■	■	■	■
- Gate function	■	■	■	■	■
Priority object/forced operation					
■	■	■	■	■	■
Heating/fan control					
- Switch ON/OFF (2 point control)	■	■	■	■	■
- Cyclical fault monitoring	■	■	■	■	■
- Automatic purging	■	■	■	■	■
Fan Coil control ¹⁾	■	■	■	■	■
Special functions					
- Default position on bus voltage failure/recovery	■	■	■	■	■
- Status messages	■	■	■	■	■
- Copying and exchanging of parameter settings				■	■

¹⁾ See special ABB i-bus® KNX devices of the HVAC area, e.g. Fan/Fan Coil actuator LFA/S or Fan Coil actuator FCA/S.

■ = possible functions

ABB i-bus® KNX Shutters and Sun Protection

Overview

JRA/S properties	X.230.5.1	4.24.5.1	X.230.2.1	X.230.1.1
Hardware				
Number of outputs	X = 2, 4, 8	4	X = 2, 4, 8	X = 2, 4, 8
Nominal voltage	230 V AC	24 V DC	230 V AC	230 V AC
Type of installation	MDRC	MDRC	MDRC	MDRC
Module width in space units	2-fold, 4-fold 4 space units 8 fold: 8 space units	4	2-fold, 4-fold 4 space units 8-fold: 8 space units	2-fold, 4-fold 4 space units 8-fold: 8 space units
General parameterization options				
Manual functions				
Disable/enable man. operation	■	■	■	-
Status manual operating	■	■	■	-
Operating modes				
Control with slat adjustment (blinds, etc.)	■	■	■	■
Control without slat adjustment (roller shutters, awnings, etc.)	■	■	■	■
Ventilation flaps, switch mode	■	■	■	■
General device functions				
Automatic travel detection	■	■	-	-
Time-delayed switching of drives	■	■	■	■
Rate of telegrams	■	■	■	■
Sending and switching delay time	■	■	■	■
In operation function	■	■	■	■
Request status values	■	■	■	■
Extended setting options for drives and blind/shutter	■	■	■	■
Direct functions				
UP/DOWN	■	■	■	■
STOP/Slat adjustment	■	■	■	■
Position height/slat 0...255	■	■	■	■
Preset Move to position/Set position	■	■	■	■
UP/DOWN limited	■	■	■	■
Enable limitation	■	■	■	■
Trigger travel detection	■	■	-	-
Trigger reference movement	■	■	■	■
8 bit scene	■	■	■	■
Safety functions				
Wind alarm	■	■	■	■
Rain alarm	■	■	■	■
Frost alarm	■	■	■	■
Block	■	■	■	■
Forced operation	■	■	■	■
Reaction after bus voltage failure, recovery and programming	■	■	■	■
Automatic functions				
Activation of autom. control	■	■	■	■
Position height/slat on sun	■	■	■	■
Presence	■	■	■	■
Heating/Cooling	■	■	■	■
Overheat control	■	■	■	■
Enable/block automatic	■	■	■	■
Enable/block direct control	■	■	■	■
Status messages				
Status height/slat 0...255	■	■	■	■
Status upper/lower end position	■	■	■	■
Status of operation	■	■	■	■
Status automatic control	■	■	■	■
Status information (2 byte)	■	■	■	■

■ = possible functions

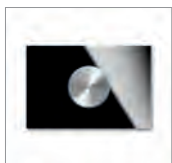
Product	Article-No.	Order-No.	Pack/Qty
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8.89 cm (3.5") TFT colour display with rotary control element ^{1) 2)}
Busch-priOn®

Free programmable KNX 8.89 cm (3.5") TFT colour display with rotary control element
 For installation in the 2gang and 3gang support frame (6346/11-101 and 6346/12-101).
 For the display and operation of up to 120 KNX functions (switching, dimming, blinds, etc.)
 With integrated week timer, alarm, timer, with light scene function, screensaver and control of multimedia devices (in connection with an additional device) via the KNX system.
 Functions can be freely labelled using customisable symbols and texts.
 Primary function for calling up the main functions
 With status bar for display of up to 10 signals, Thermostat function and date/time
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: Freely programmable control panels
 Display elements: TFT Display
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 142 mm x 106.6 mm x 11 mm

24G studio white	6344-24G-101-500	6310-0-0133	1
810 glass white	6344-810-101-500	6310-0-0131	1
825 glass black	6344-825-101-500	6310-0-0132	1
866 stainless steel	6344-866-101-500	6310-0-0130	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) ETS programming only with ETS 3.0f or higher.


Rotary control element, 1gang ^{1) 2)}
Busch-priOn®

Free programmable multi-function rotary control element.
 For installation in the 1gang, 2gang and 3gang support frame (6346/10-101, 6346/11-101 and 6346/12-101)
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Stainless steel rotary knob
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 71 mm x 106.6 mm x 11 mm

24G studio white	6341-24G-101-500	6310-0-0117	1
810 glass white	6341-810-101-500	6310-0-0115	1
825 glass black	6341-825-101-500	6310-0-0116	1
866 stainless steel	6341-866-101-500	6310-0-0114	1

- 1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.


Standard control element, 1gang ^{1) 2)}
Busch-priOn®

Free programmable multi-function control element.
 For installation in the 1gang, 2gang and 3gang support frame (6346/10-101, 6346/11-101 and 6346/12-101)
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 The accompanying symbol can be replaced by the symbols for lighting (6353/20-xxx), blinds (6353/30-xxx), Thermostat (6353/40-xxx) and scene (6353/50-xxx).
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 71 mm x 106.6 mm x 11 mm

24G studio white	6340-24G-101-500	6310-0-0109	1
810 glass white	6340-810-101-500	6310-0-0107	1
825 glass black	6340-825-101-500	6310-0-0108	1
866 stainless steel	6340-866-101-500	6310-0-0106	1

- 1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.

Product	Article-No.	Order-No.	Pack/Qty
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Control element, 3gang ^{1) 2)}
Busch-priOn®

Free programmable multi-function control element.
 For installation in the 1gang, 2gang and 3gang support frame (6346/10-101, 6346/11-101 and 6346/12-101)
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 The accompanying symbol can be replaced by the symbols for lighting (6353/20-xxx), blinds (6353/30-xxx), Thermostat (6353/40-xxx) and scene (6353/50-xxx).
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 71 mm x 106.6 mm x 11 mm

24G studio white	6342-24G-101-500	6310-0-0125	1
810 glass white	6342-810-101-500	6310-0-0123	1
825 glass black	6342-825-101-500	6310-0-0124	1
866 stainless steel	6342-866-101-500	6310-0-0122	1

- 1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.


Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)}
Busch-priOn®

Movement sensor with up to four channels.
 For installation in the 1gang, 2gang and 3gang support frame (6346/10-101, 6346/11-101 and 6346/12-101)
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Detection range: frontal: 6 m, lateral: 6 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 1000 Lux
 Mounting height: 1.1 m
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 71 mm x 106.6 mm x 23.5 mm
 Position for installation: vertical


24G studio white	6345-24G-101-500	6310-0-0081	1
810 glass white	6345-810-101-500	6310-0-0079	1
825 glass white	6345-825-101-500	6310-0-0080	1
866 stainless steel	6345-866-101-500	6310-0-0078	1

- 1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.

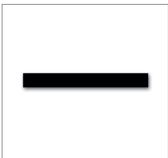

Standard top end strip
Busch-priOn®

Top end strip for installation on 1gang to 3gang support frame (6346/10-101, 6346/11-101 und 6346/12-101).
 Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm


24G studio white	6348-24G-101-500	6310-0-0147	1
810 glass white	6348-810-101-500	6310-0-0145	1
825 glass black	6348-825-101-500	6310-0-0146	1
860 stainless steel	6348-860-101-500	6310-0-0144	1


Product	Article-No.	Order-No.	Pack/Qty
	Top end strip with display, room temperature controller, IR receiver and proximity sensor ^{1) 2)} Busch-priOn® Top end strip for installation on 1gang to 3gang support frame (6346/10-101, 6346/11-101 und 6346/12-101). With integrated IR receiver for control using the Busch remote control 6010-25 or 6020-.../6121... and integrated proximity function For heating and cooling (PI, PWM or 2-point) For control of up to 5-level ventilation actuators With manual adjustment of fan levels Display of up to 17 functions as text and/or icon. Possible only in connection with the 3-gang control element (6342-xxx-101). Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Detection range: frontal: 0.5 m, lateral: 0.5 m Detection angle: 100 ° Mounting height: 1.1 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 33.4 mm x 106.6 mm x 15.5 mm		
825 glass black	6351-825-101-500	6310-0-0092	1

1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.


	Top end strip with IR and proximity sensor ^{1) 2)} Busch-priOn® Top end strip for installation on 1gang to 3gang support frame (6346/10-101, 6346/11-101 und 6346/12-101). With integrated IR receiver for control using the Busch remote control 6010-25 or 6020-.../6121... and integrated proximity function Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Detection range: frontal: 0.5 m, lateral: 0.5 m Detection angle: 100 ° Mounting height: 1.1 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm		
825 glass black	6350-825-101-500	6310-0-0157	1


1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.


	Lower end strip with Busch-Jaeger lettering. Busch-priOn® Bottom end strip for installation on 1gang to 3gang support frame (6346/10-101, 6346/11-101 and 6346/12-101) Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm		
24G studio white	6349-24G-101-500	6310-0-0155	1
810 glass white	6349-810-101-500	6310-0-0153	1
825 glass black	6349-825-101-500	6310-0-0154	1
860 stainless steel	6349-860-101-500	6310-0-0152	1


	Bottom end strip with temperature sensor ^{1) 2)} Busch-priOn® Bottom end strip for installation on 1gang to 3gang support frame (6346/10-101, 6346/11-101 and 6346/12-101) Provides the value measured by the integrated temperature sensor for the 3.5" Display (6344-xxx) or the room thermostats 6124-xxx-500-10x, 6351-825-101-500, 6128-xxx-500-10x and 6134/10. Not combinable with flush-mounted actuators (6354 U, 6355 U, 6356 U, and 6920/40). Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm		
24G studio white	6352-24G-101-500	6310-0-0165	1
810 glass white	6352-810-101-500	6310-0-0163	1
825 glass black	6352-825-101-500	6310-0-0164	1
860 stainless steel	6352-860-101-500	6310-0-0162	1

1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.


Product	Article-No.	Order-No.	Pack/Qty
	Support frame, 1gang Busch-priOn® Support frame for Busch-priOn®. The individual modules are fastened to the support frame by snapping them in. Rotary control element (6341-xxx-101), 1-gang control element (6340-xxx-101), 3-gang control element (6342-xxx-101), standard top end strip (6348-xxx-101), standard bottom end strip (6349-xxx-101), end strip for IR and top proximity sensor (6350-xxx-101), end strip for display, RTR, IR, and proximity sensor (6351-xxx-101), and bottom temperature sensor end strip (6352-xxx-101). For contacting with bus coupler 6120/12-101-500 and power bus coupler 6120/13. For contacting with switch actuator/blind actuator 6920/40. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 71 mm x 100 mm x 11 mm		
black	6346/10-101-500	6310-0-0135	1

	Support frame, 2gang Busch-priOn® Support frame for Busch-priOn®. The individual modules are fastened to the support frame by snapping them in. For 3.5" TFT display with rotary control element (6344-xxx), rotary control element (6341-xxx), 1-gang control element (6340-xxx), 3-gang control element (6342-xxx), standard top end strip (6348-xxx), standard bottom end strip (6349-xxx), top end strip with IR and proximity sensor (6350-xxx), and bottom end strip with temperature sensor end strip (6352-xxx). For contacting with power bus coupler 6120/13. For contacting with power mains coupler 6920/13. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 142 mm x 100 mm x 11 mm		
black	6346/11-101-500	6310-0-0137	1


	Support frame, 3gang Busch-priOn® Support frame for Busch-priOn®. The individual modules are fastened to the support frame by snapping them in. For 3.5" TFT display with rotary control element (6344-xxx), rotary control element (6341-xxx), 1-gang control element (6340-xxx), 3-gang control element (6342-xxx), standard top end strip (6348-xxx), standard bottom end strip (6349-xxx), top end strip with IR and proximity sensor (6350-xxx), and bottom end strip with temperature sensor end strip (6352-xxx). For contacting with power bus coupler 6120/13. For contacting with power mains coupler 6920/13. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 213 mm x 100 mm x 11 mm		
black	6346/12-101-500	6310-0-0139	1

	Flush-mounted bus coupler ^{1) 2)} For Busch-priOn® 1gang support frame 6346/10-10x and control elements 6122/0x-xxx, 6124/0x-xxx, 6125/0x-xxx, 6126/0x-xxx, 6127/0x-xxx, 6128/0x-xxx, 6129/0x-xxx. The bus can be connected via enclosed terminal block. Connections: KNX-line: Bus terminal Rated voltage: 24 V Rated current: 5 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 50 mm x 45 mm x 23 mm		
	6120/12-101-500	6120-0-0075	1/10


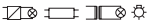
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) ETS programming only with ETS 3.0f or higher.



Product	Article-No.	Order-No.	Pack/Qty
	Flush-mounted power bus coupler 1) 2) Busch-priOn® For Busch-priOn® support frame, 1-gang, 2-gang, and 3-gang. Additional power supply must be connected via enclosed terminal block, e.g. yellow/white wires in bus connection. KNX connection exclusively for bus communication. The bus can be connected via enclosed terminal block. Connections: KNX-line: Clamp terminal Rated voltage: 24 V- Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C		
	6120/13-500	6120-0-0072	1/10

1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.



	MDRC power pack 1) 2500 mA SELV For Busch-priOn power bus coupler 6120/13-500. Rated voltage: 240 V- Output voltage: 24 V-, +1 % / -1 % Rated frequency: 47 Hz/63 Hz Rated current: 2500 mA Protection class (Device): IP 20 Temperature range (Device): -20 °C to 70 °C Dimensions: (L x W x D): 91 mm x 71 mm x 57.5 mm Module width: 4 MW		
	CP-D 24/2.5	2CDG120037R0011	


1) 1 MW ± 18 mm.

	Switch actuator, 1-gang, flush-mounted Busch-priOn® Only with flush-mounted Powernet/bus coupler 6x20/13 and switch actuator/blind actuator 6920/40. For switching incandescent lamps, 230 V tungsten halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are actuated via transformers. 3 wire connection (neutral conductor required). Can be used only in connection with support frame 2-gang (6346/11-101) and 3-gang (6346/12-101). Not combinable with the bottom end strip with temperature sensor (6352-xxx-101). Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 10 AX Rated power: 2300 W/VA Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm		
	 6354 U-500	6310-0-0097	1


Product	Article-No.	Order-No.	Pack/Qty
	Universal dimming actuator, 1-gang, flush-mounted 1) 2) Busch-priOn® Only with flush-mounted Powernet/bus coupler 6x20/13 and switch actuator/blind actuator 6920/40. For dimming and switching of incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional or electronic transformers. 2-wire connection (neutral conductor not required) Do not operate conventional transformers and electronic transformers together on the universal dimmer switch insert. Can be used only in connection with support frame 2-gang (6346/11-101) and 3-gang (6346/12-101). Not combinable with the bottom end strip with temperature sensor (6352-xxx-101). Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x electronic output, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated power: 10 - 420 W/VA Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm		
	 6355 U-500	6310-0-0098	1

1) In case of electronic transformers, 5 % transformer losses.
 2) In the case of conventional transformers, take ~20% transformer loss into account.

	Switch/blind actuator, 2/1-gang, flush-mounted Busch-priOn® Only with flush-mounted Powernet/bus coupler 6x20/13 and switch actuator/blind actuator 6920/40. Can be used only in connection with support frame 2-gang (6346/11-101) and 3-gang (6346/12-101). Not combinable with the bottom end strip with temperature sensor (6352-xxx-101). Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential-bound Suitable for: ohmic, capacitive and inductive loads Rated current: 10 AX Rated power: 2300 W/VA Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm		
	 6356 U-500	6310-0-0099	1

	Symbol for marking "Light" 1) for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx)		
	stainless steel 6353/20-860-500	6310-0-0093	1/10

1) Surface painted.

	Symbol for marking "blinds" 1) for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx)		
	stainless steel 6353/30-860-500	6310-0-0094	1/10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Symbol for marking "temperature" ¹⁾ for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx)		
stainless steel	6353/40-860-500	6310-0-0095	1/10
1) Surface painted.			

	Symbol for marking "scene" ¹⁾ for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx)		
stainless steel	6353/50-860-500	6310-0-0096	1/10
1) Surface painted.			

	Commissioning/programming interface ¹⁾ For ABB i-bus® KNX bus coupler 6120/12-101, 6120/13, 6197/12, 6197/13, 6197/14, 6197/15. Commissioning via USB connection and SD card slot. Data on SD card can be selected using the 4 push buttons using 4 push buttons shown on the 3-line backlit display. With integrated battery for autonomous operation for up to 8h. Battery is charged by the PC via USB cable. For interfacing a PC to the KNX. Allows direct access from PC to KNX bus (ETS 4.0 onwards) Control element: 4 push buttons for operation Display elements: Multiline backlit display Temperature range (Device): -5 °C to 45 °C		
black	6149/21-500	6133-0-0201	1
1) For software and description please check the current e-catalogue.			

	Control element, 1/2-gang, with infrared interface ^{1) 2)} Busch-triton® With integrated KNX bus coupler. With labelling field. Transparent labelling sheet with standard symbols included in delivery. rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) To control up to 13 IR channels (RC5) using Busch-Remote control IR mobile remote control 6010-25 or 6020-.../6021... Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 84 mm x 90 mm		
<i>alpha</i>			
20 platinum ³⁾	6320/10-20-500	6320-0-0002	1
24G studio white	6320/10-24G-500	6320-0-0004	1
260 palladium ³⁾	6320/10-260-500	6320-0-0010	1
<i>impuls ³⁾</i>			
79 champagne metallic	6320/10-79-500	6320-0-0006	1
<i>future® linear ³⁾</i>			
83 aluminium silver	6320/10-83-500	6320-0-0008	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) See labelling sheet 1799/Ox. 3) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	Control element, 3/6-gang, with infrared interface ^{1) 2)} Busch-triton® With integrated KNX bus coupler. With labelling field. rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) To control up to 13 IR channels (RC5) using Busch-Remote control IR mobile remote control 6010-25 or 6020-.../6021... Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 84 mm x 90 mm		
<i>alpha</i>			
20 platinum ³⁾	6320/30-20-500	6320-0-0012	1
24G studio white	6320/30-24G-500	6320-0-0014	1
260 palladium ³⁾	6320/30-260-500	6320-0-0020	1
<i>impuls ³⁾</i>			
79 champagne metallic	6320/30-79-500	6320-0-0016	1
<i>future® linear ³⁾</i>			
83 aluminium silver	6320/30-83-500	6320-0-0018	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) See labelling sheet 1799/Ox. 3) Surface painted.			


	Control element, 3/6-gang, with infrared interface and room thermostat ^{1) 2)} Busch-triton® With integrated KNX bus coupler. With labelling field. rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) Control element with room thermostat function for triggering the heating, ventilation and fan-coil actuators. The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. To control up to 13 IR channels (RC5) using Busch-Remote control IR mobile remote control 6010-25 or 6020-.../6021... Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 97 mm x 90 mm		
<i>alpha</i>			
20 platinum ³⁾	6320/38-20-500	6320-0-0022	1
24G studio white	6320/38-24G-500	6320-0-0024	1
260 palladium ³⁾	6320/38-260-500	6320-0-0030	1
<i>impuls ³⁾</i>			
79 champagne metallic	6320/38-79-500	6320-0-0026	1
<i>future® linear ³⁾</i>			
83 aluminium silver	6320/38-83-500	6320-0-0028	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) See labelling sheet 1799/Ox. 3) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	Control element, 5/10-gang, with infrared interface ^{1) 2)} Busch-triton® With integrated KNX bus coupler. With labelling field. rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) To control up to 13 IR channels (RC5) using Busch-Remote control IR mobile remote control 6010-25 or 6020-.../6021... Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 159 mm x 90 mm		
	<i>alpha</i>		
20 platinum ³⁾	6320/50-20-500	6320-0-0032	1
24G studio white	6320/50-24G-500	6320-0-0034	1
260 palladium ³⁾	6320/50-260-500	6320-0-0040	1
	<i>impuls ³⁾</i>		
79 champagne metallic	6320/50-79-500	6320-0-0036	1
	<i>future® linear ³⁾</i>		
83 aluminium silver	6320/50-83-500	6320-0-0038	1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) See labelling sheet 1799/0x.
3) Surface painted.

	Control element, 5/10-gang, with infrared interface and room thermostat ^{1) 2)} Busch-triton® With integrated KNX bus coupler. With labelling field. rocker switch left/right (switching/dimming/blind/value sender/light scenes/fan function) Control element with room thermostat function for triggering the heating, ventilation and fan-coil actuators. The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. To control up to 13 IR channels (RC5) using Busch-Remote control IR mobile remote control 6010-25 or 6020-.../6021... Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 159 mm x 90 mm		
	<i>alpha</i>		
20 platinum ³⁾	6320/58-20-500	6320-0-0042	1
24G studio white	6320/58-24G-500	6320-0-0044	1
260 palladium ³⁾	6320/58-260-500	6320-0-0050	1
	<i>impuls ³⁾</i>		
79 champagne metallic	6320/58-79-500	6320-0-0046	1
	<i>future® linear ³⁾</i>		
83 aluminium silver	6320/58-83-500	6320-0-0048	1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) See labelling sheet 1799/0x.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Standard control element, 1 gang ^{1) 2) 3) 4)} With bus coupler enclosed. For ABB i-bus® KNX With labelling field. Transparent labelling sheet with standard symbols included in delivery. Control element: rocker switch left/right Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
	<i>future® linear</i>		
81 anthracite	6125/01-81-500	6115-0-0205	1
82 savanna/ivory white	6125/01-82-500	6115-0-0206	1
83 aluminium silver ⁵⁾	6125/01-83-500	6115-0-0207	1
84 davos/studio white	6125/01-84-500	6115-0-0183	1
884 studio white matt ⁵⁾	6125/01-884-500	6115-0-0214	1
885 black matt ⁵⁾	6125/01-885-500	6115-0-0215	1
	<i>solo®</i>		
82 savanna/ivory white	6125/01-82-500	6115-0-0206	1
84 davos/studio white	6125/01-84-500	6115-0-0183	1
87 toscana/purple ⁵⁾	6125/01-87-500	6115-0-0209	1
803 meteor/grey metallic ⁵⁾	6125/01-803-500	6115-0-0212	1
815 sahara/yellow	6125/01-815-500	6115-0-0213	1
	<i>Busch-axcent®</i>		
84 davos/studio white	6125/01-84-500	6115-0-0183	1
	<i>carat®</i>		
81 anthracite	6125/01-81-500	6115-0-0205	1
82 savanna/ivory white	6125/01-82-500	6115-0-0206	1
84 davos/studio white	6125/01-84-500	6115-0-0183	1
	<i>pure stainless steel ⁵⁾</i>		
866 stainless steel	6125/01-866-500	6115-0-0211	1

1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.
3) See labelling sheet 1799/0x.
4) Programmable from ETS 3.0f and PowerTool 1.2.3
5) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Control element, 2-gang 1) 2) 3) 4)
With bus coupler enclosed.
 For ABB i-bus® KNX
 With labelling field.
 Transparent labelling sheet with standard symbols included in delivery.
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

	future® linear			
81	anthracite	6126/01-81-500	6116-0-0195	1
82	savanna/ ivory white	6126/01-82-500	6116-0-0196	1
83	aluminium silver 5)	6126/01-83-500	6116-0-0197	1
84	davos/studio white	6126/01-84-500	6116-0-0174	1
884	studio white matt 5)	6126/01-884-500	6116-0-0204	1
885	black matt 5)	6126/01-885-500	6116-0-0205	1
	solo®			
82	savanna/ ivory white	6126/01-82-500	6116-0-0196	1
87	toscana/purple 7)	6126/01-87-500	6116-0-0199	1
803	meteor/ grey metallic 5)	6126/01-803-500	6116-0-0202	1
815	sahara/yellow	6126/01-815-500	6116-0-0203	1
	carat®			
81	anthracite	6126/01-81-500	6116-0-0195	1
82	savanna/ ivory white	6126/01-82-500	6116-0-0196	1
84	davos/studio white	6126/01-84-500	6116-0-0174	1
	pure stainless steel 5)			
866	stainless steel	6126/01-866-500	6116-0-0201	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 7) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Control element, 4gang 1) 2) 3) 4)
With bus coupler enclosed.
 For ABB i-bus® KNX
 With labelling field.
 Transparent labelling sheet with standard symbols included in delivery.
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

	future® linear			
81	anthracite	6127/01-81-500	6117-0-0221	1
82	savanna/ ivory white	6127/01-82-500	6117-0-0222	1
83	aluminium silver 5)	6127/01-83-500	6117-0-0223	1
84	davos/studio white	6127/01-84-500	6117-0-0200	1
884	studio white matt 5)	6127/01-884-500	6117-0-0230	1
885	black matt 5)	6127/01-885-500	6117-0-0231	1
	solo®			
82	savanna/ ivory white	6127/01-82-500	6117-0-0222	1
84	davos/studio white	6127/01-84-500	6117-0-0200	1
87	toscana/purple 7)	6127/01-87-500	6117-0-0225	1
803	meteor/ grey metallic 5)	6127/01-803-500	6117-0-0228	1
815	sahara/yellow	6127/01-815-500	6117-0-0229	1
	Busch-axcent®			
84	davos/studio white	6127/01-84-500	6117-0-0200	1
	carat®			
81	anthracite	6127/01-81-500	6117-0-0221	1
82	savanna/ ivory white	6127/01-82-500	6117-0-0222	1
84	davos/studio white	6127/01-84-500	6117-0-0200	1
	pure stainless steel 5)			
866	stainless steel	6127/01-866-500	6117-0-0227	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 7) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Control element, 1/2gang ^{1) 2) 3) 4)}
Multi-function/colour concept
 For ABB i-bus® KNX 6120/12-101, 6120/13.
 With labelling field.
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Transparent labelling sheet with standard symbols included in delivery.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

future® linear

81 anthracite	6125/02-81-500	6115-0-0216	1
82 savanna/ ivory white	6125/02-82-500	6115-0-0217	1
83 aluminium silver ⁵⁾	6125/02-83-500	6115-0-0218	1
84 davos/studio white	6125/02-84-500	6115-0-0219	1
884 studio white matt ⁵⁾	6125/02-884-500	6115-0-0226	1
885 black matt ⁵⁾	6125/02-885-500	6115-0-0227	1

solo®

82 savanna/ ivory white	6125/02-82-500	6115-0-0217	1
84 davos/studio white	6125/02-84-500	6115-0-0219	1
87 toscana/purple ⁶⁾	6125/02-87-500	6115-0-0221	1
803 meteor/ grey metallic ⁵⁾	6125/02-803-500	6115-0-0224	1
815 sahara/yellow	6125/02-815-500	6115-0-0225	1

Busch-axcent®

84 davos/studio white	6125/02-84-500	6115-0-0219	1
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carat®

81 anthracite	6125/02-81-500	6115-0-0216	1
82 savanna/ ivory white	6125/02-82-500	6115-0-0217	1
84 davos/studio white	6125/02-84-500	6115-0-0219	1

pure stainless steel ⁵⁾

866 stainless steel	6125/02-866-500	6115-0-0223	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only with ETS 3.0f or higher.
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- 6) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Control element 2/4gang ^{1) 2) 3) 4)}
Multi-function/colour concept
 For ABB i-bus® KNX 6120/12-101, 6120/13.
 With labelling field.
 Support of KNX functions through innovative colour concept yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green.
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Transparent labelling sheet with standard symbols included in delivery.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: rocker switch left/right
 Display elements: Two LED per rocker via separate communication object for status (Red/ Green/ OFF) or orientation light
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

future® linear

81 anthracite	6126/02-81-500	6116-0-0206	1
82 savanna/ ivory white	6126/02-82-500	6116-0-0207	1
83 aluminium silver ⁵⁾	6126/02-83-500	6116-0-0208	1
84 davos/studio white	6126/02-84-500	6116-0-0209	1
884 studio white matt ⁵⁾	6126/02-884-500	6116-0-0216	1
885 black matt ⁵⁾	6126/02-885-500	6116-0-0217	1

solo®

82 savanna/ ivory white	6126/02-82-500	6116-0-0207	1
84 davos/studio white	6126/02-84-500	6116-0-0209	1
87 toscana/purple ⁶⁾	6126/02-87-500	6116-0-0211	1
803 meteor/ grey metallic ⁵⁾	6126/02-803-500	6116-0-0214	1
815 sahara/yellow	6126/02-815-500	6116-0-0215	1

Busch-axcent®

84 davos/studio white	6126/02-84-500	6116-0-0209	1
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carat®

81 anthracite	6126/02-81-500	6116-0-0206	1
82 savanna/ ivory white	6126/02-82-500	6116-0-0207	1
84 davos/studio white	6126/02-84-500	6116-0-0209	1

pure stainless steel ⁵⁾

866 stainless steel	6126/02-866-500	6116-0-0213	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only with ETS 3.0f or higher.
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- 6) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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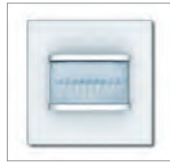


**Control element 4/8-gang ^{1) 2) 3) 4)}
Multi-function/colour concept**
For ABB i-bus® KNX 6120/12-101, 6120/13.
With labelling field.
Support of KNX functions through innovative colour concept
yellow=lighting, blue=blind, orange=RTC, magenta=scene
and white=neutral/no function assigned) or standard
illumination red/green.
Push switch function: switching / dimming / blind / sending
values / scenes etc.
Transparent labelling sheet with standard symbols included
in delivery.
Incl. 10 logic channels (light scene actuator, sequence
actuator, logic gates, etc.)
Control element: rocker switch left/right
Display elements: Two LED per rocker via separate
communication object for status (Red/ Green/ OFF) or
orientation light
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 63 mm x 63 mm

Product	Article-No.	Order-No.	Pack/Qty
81 anthracite	6127/02-81-500	6117-0-0232	1
82 savanna/ ivory white	6127/02-82-500	6117-0-0233	1
83 aluminium silver ⁵⁾	6127/02-83-500	6117-0-0234	1
84 davos/studio white	6127/02-84-500	6117-0-0235	1
884 studio white matt ⁵⁾	6127/02-884-500	6117-0-0242	1
885 black matt ⁵⁾	6127/02-885-500	6117-0-0243	1
solo®			
82 savanna/ ivory white	6127/02-82-500	6117-0-0233	1
84 davos/studio white	6127/02-84-500	6117-0-0235	1
87 toscana/purple ²⁾	6127/02-87-500	6117-0-0237	1
803 meteor/ grey metallic ⁵⁾	6127/02-803-500	6117-0-0240	1
815 sahara/yellow	6127/02-815-500	6117-0-0241	1
Busch-axcent®			
84 davos/studio white	6127/02-84-500	6117-0-0235	1
carat®			
81 anthracite ⁵⁾	6127/02-81-500	6117-0-0232	1
82 savanna/ ivory white	6127/02-82-500	6117-0-0233	1
84 davos/studio white	6127/02-84-500	6117-0-0235	1
pure stainless steel ⁵⁾			
866 stainless steel	6127/02-866-500	6117-0-0239	1

1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.
3) See labelling sheet 1799/0x.
4) Programmable from ETS 3.0f and PowerTool 1.2.3
5) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Busch-Watchdog 180 flush mounted standard
sensor ^{1) 2) 3) 4)}
Select**
For ABB i-bus® KNX 6120/12-101, 6120/13.
Movement sensor with up to four channels.
Incl. 10 logic channels (light scene actuator, sequence
actuator, logic gates, etc.)
Control element: Setting via ETS application.
Detection range: frontal: 6 m, lateral: 6 m
Detection angle: 180 °
Brightness limit value: 5 Lux - 150 Lux
Mounting height: 1.1 m
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 63 mm x 63 mm x 28 mm
Position for installation: vertical

Product	Article-No.	Order-No.	Pack/Qty
future linear			
81 anthracite ⁵⁾	6122/01-81-500	6132-0-0272	1
82 savanna/ ivory white	6122/01-82-500	6132-0-0273	1
83 aluminium silver ⁵⁾	6122/01-83-500	6132-0-0274	1
84 davos/studio white	6122/01-84-500	6132-0-0250	1/10
884 studio white matt ⁵⁾	6122/01-884-500	6132-0-0281	1
885 black matt ⁵⁾	6122/01-885-500	6132-0-0282	1
solo®			
82 savanna/ ivory white	6122/01-82-500	6132-0-0273	1
84 davos/studio white	6122/01-84-500	6132-0-0250	1/10
87 toscana/purple ²⁾	6122/01-87-500	6132-0-0276	1
803 meteor/ grey metallic ⁵⁾	6122/01-803-500	6132-0-0279	1
815 sahara/yellow	6122/01-815-500	6132-0-0280	1
Busch-axcent®			
84 davos/studio white	6122/01-84-500	6132-0-0250	1/10
carat®			
81 anthracite ⁵⁾	6122/01-81-500	6132-0-0272	1
82 savanna/ ivory white	6122/01-82-500	6132-0-0273	1
84 davos/studio white	6122/01-84-500	6132-0-0250	1/10
pure stainless steel ⁵⁾			
866 stainless steel	6122/01-866-500	6132-0-0278	1

1) For software and description please check the current e-catalogue.
2) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent® or future® linear.
3) ETS programming only with ETS 3.0f or higher.
4) Programmable from ETS 3.0f and PowerTool 1.2.3
5) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2) 3) 4)}
Multi-lens
 For ABB i-bus® KNX 6120/12-101, 6120/13.
 Movement sensor with up to four channels.
 Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: Sliding switch for manual operation ON/AUTOMATIC/OFF (lockable)
 Detection range: frontal: 15 m, lateral: 5 m
 Detection range 2: frontal: 10 m, lateral: 2.5 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 150 Lux
 Mounting height: 1.1 m - 2.5 m
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm x 28 mm
 Position for installation: vertical

future® linear

81 anthracite ⁵⁾	6122/02-81-500	6132-0-0283	1
82 savanna/ ivory white	6122/02-82-500	6132-0-0284	1
83 aluminium silver ⁵⁾	6122/02-83-500	6132-0-0285	1
84 davos/studio white	6122/02-84-500	6132-0-0263	1/10
884 studio white matt ⁵⁾	6122/02-884-500	6132-0-0292	1
885 black matt ⁵⁾	6122/02-885-500	6132-0-0293	1

solo®

82 savanna/ ivory white	6122/02-82-500	6132-0-0284	1
84 davos/studio white	6122/02-84-500	6132-0-0263	1/10
87 toscana/purple ¹⁾	6122/02-87-500	6132-0-0287	1
815 sahara/yellow	6122/02-815-500	6132-0-0291	1
803 meteor/ grey metallic ⁵⁾	6122/02-803-500	6132-0-0290	1

Busch-axcent®

84 davos/studio white	6122/02-84-500	6132-0-0263	1/10
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carat®

81 anthracite ⁵⁾	6122/02-81-500	6132-0-0283	1
82 savanna/ ivory white	6122/02-82-500	6132-0-0284	1
84 davos/studio white	6122/02-84-500	6132-0-0263	1/10

pure stainless steel ⁵⁾

866 stainless steel	6122/02-866-500	6132-0-0289	1
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- 1) For software and description please check the current e-catalogue.
- 2) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent® or future® linear.
- 3) ETS programming only with ETS 3.0f or higher.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Room thermostat ^{1) 2) 3) 4)}
Heating/cooling operation/ colour concept
 With labelling field.
 For ABB i-bus® KNX bus coupler 6120/12-101, 6120/13.
 Support of KNX functions through innovative colour concept
 yellow=lighting, blue=blind, orange=RTC, magenta=scene
 and white=neutral/no function assigned) or standard
 illumination red/green.
 Control element with room thermostat function for
 controlling TSA/K 230.1, TSA/K 24.1 in connection with
 6164 U, commercially available valve drives or analogue
 valve drives (continuous controllers).
 The controller is a constant ambient temperature controller
 for fan convectors (fan coils) in 2-pipe and 4-pipe systems
 and conventional heating or cooling systems.
 The fan stage can be switched manually or in automatic
 mode.
 Transparent labelling sheet with standard symbols included
 in delivery.
 Incl. 10 logic channels (light scene actuator, sequence
 actuator, logic gates, etc.)
 Control element: Switch contacts left/right for selecting
 setpoint and mode of operation
 Display elements: LCD showing operation modes
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

future® linear

81 anthracite	6124/01-81-500	6134-0-0295	1
82 savanna/ ivory white	6124/01-82-500	6134-0-0274	1
83 aluminium silver ⁵⁾	6124/01-83-500	6134-0-0275	1
84 davos/studio white	6124/01-84-500	6134-0-0248	1/10
884 studio white matt ⁵⁾	6124/01-884-500	6134-0-0282	1
885 black matt ⁵⁾	6124/01-885-500	6134-0-0283	1

solo®

82 savanna/ ivory white	6124/01-82-500	6134-0-0274	1
84 davos/studio white	6124/01-84-500	6134-0-0248	1/10
87 toscana/purple ¹⁾	6124/01-87-500	6134-0-0277	1
803 meteor/ grey metallic ⁵⁾	6124/01-803-500	6134-0-0280	1
815 sahara/yellow	6124/01-815-500	6134-0-0281	1

Busch-axcent®

84 davos/studio white	6124/01-84-500	6134-0-0248	1/10
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carat®

81 anthracite	6124/01-81-500	6134-0-0295	1
82 savanna/ ivory white	6124/01-82-500	6134-0-0274	1
84 davos/studio white	6124/01-84-500	6134-0-0248	1/10

pure stainless steel ⁵⁾

866 stainless steel	6124/01-866-500	6134-0-0279	1
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- 1) For software and description please check the current e-catalogue.
- 2) ETS programming only with ETS 3.0f or higher.
- 3) See labelling sheet 1799/0x.
- 4) Programmable from ETS 3.0f and PowerTool 1.2.3
- 5) Surface painted.
- *) Phase-out type

Product Article-No. Order-No. Pack/Qty



Control element, 2/4-gang with room thermostat 1) 2) 3) 4)
Multi-function/colour concept

With labelling field.
 For ABB i-bus® KNX bus coupler 6120/12-101, 6120/13.
 Support of KNX functions through innovative colour concept
 yellow=lighting, blue=blind, orange=RTC, magenta=scene
 and white=neutral/no function assigned) or standard
 illumination red/green.

rocker switch left/right (switching/dimming/blind/value
 sender/light scenes/fan function)

rocker switch left/right (switching/dimming/blind/value
 sender/light scenes/fan function)

The controller is a constant ambient temperature controller
 for fan convectors (fan coils) in 2-pipe and 4-pipe systems
 and conventional heating or cooling systems.

The fan stage can be switched manually or in automatic
 mode.

Transparent labelling sheet with standard symbols included
 in delivery.

Incl. 10 logic channels (light scene actuator, sequence
 actuator, logic gates, etc.)

Control element: Switch contacts left/right, also for selecting
 setpoint and mode of operation

Display elements: LCD displaying operation mode,
 temperature, time and date

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 63 mm x 63 mm

future® linear

81	anthracite	6128/01-81-500	6134-0-0284	1
82	savanna/ ivory white	6128/01-82-500	6134-0-0285	1
83	aluminium silver 5)	6128/01-83-500	6134-0-0286	1
84	davos/studio white	6128/01-84-500	6134-0-0261	1/10
884	studio white matt 5)	6128/01-884-500	6134-0-0293	1
885	black matt 5)	6128/01-885-500	6134-0-0294	1
solo®				
82	savanna/ ivory white	6128/01-82-500	6134-0-0285	1
84	davos/studio white	6128/01-84-500	6134-0-0261	1/10
87	toscana/purple 7)	6128/01-87-500	6134-0-0288	1
803	meteor/ grey metallic 5)	6128/01-803-500	6134-0-0291	1
815	sahara/yellow	6128/01-815-500	6134-0-0292	1
Busch-axcent®				
84	davos/studio white	6128/01-84-500	6134-0-0261	1/10
carat®				
81	anthracite	6128/01-81-500	6134-0-0284	1
82	savanna/ ivory white	6128/01-82-500	6134-0-0285	1
84	davos/studio white	6128/01-84-500	6134-0-0261	1/10
pure stainless steel 5)				
866	stainless steel	6128/01-866-500	6134-0-0290	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 7) Phase-out type

Product Article-No. Order-No. Pack/Qty



Control element, 3/6-gang, with infrared interface 1) 2) 3) 4)
Multi-function/colour concept

For ABB i-bus® KNX 6120/12-101, 6120/13.
 With labelling field.

Support of KNX functions through innovative colour concept
 yellow=lighting, blue=blind, orange=RTC, magenta=scene
 and white=neutral/no function assigned) or standard
 illumination red/green.

Push switch function: switching / dimming / blind / sending
 values / scenes etc.

To control up to 13 IR channels (RC5) using Busch-Remote
 control IR mobile remote control 6010-25 or 6020-
 .../6021... .

Transparent labelling sheet with standard symbols included
 in delivery.

Incl. 10 logic channels (light scene actuator, sequence
 actuator, logic gates, etc.)

Control element: rocker switch left/right

Display elements: Two LED per rocker via separate
 communication object for status (Red/ Green/ OFF) or
 orientation light

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 63 mm x 63 mm

future® linear

81	anthracite	6129/01-81-500	6135-0-0156	1
82	savanna/ ivory white	6129/01-82-500	6135-0-0157	1
83	aluminium silver 5)	6129/01-83-500	6135-0-0158	1
84	davos/studio white	6129/01-84-500	6135-0-0146	1
884	studio white matt 5)	6129/01-884-500	6135-0-0165	1
885	black matt 5)	6129/01-885-500	6135-0-0166	1
solo®				
82	savanna/ ivory white	6129/01-82-500	6135-0-0157	1
84	davos/studio white	6129/01-84-500	6135-0-0146	1
87	toscana/purple 7)	6129/01-87-500	6135-0-0160	1
803	meteor/ grey metallic 5)	6129/01-803-500	6135-0-0163	1
815	sahara/yellow	6129/01-815-500	6135-0-0164	1
Busch-axcent®				
84	davos/studio white	6129/01-84-500	6135-0-0146	1
carat®				
81	anthracite	6129/01-81-500	6135-0-0156	1
82	savanna/ ivory white	6129/01-82-500	6135-0-0157	1
84	davos/studio white	6129/01-84-500	6135-0-0146	1
pure stainless steel 5)				
866	stainless steel	6129/01-866-500	6135-0-0162	1

1) For software and description please check the current e-catalogue.
 2) ETS programming only with ETS 3.0f or higher.
 3) See labelling sheet 1799/0x.
 4) Programmable from ETS 3.0f and PowerTool 1.2.3
 5) Surface painted.
 7) Phase-out type



Flush-mounted bus coupler 1) 2)

For Busch-priOn® 1gang support frame 6346/10-10x and
 control elements 6122/0x-xxx, 6124/0x-xxx, 6125/0x-xxx,
 6126/0x-xxx, 6127/0x-xxx, 6128/0x-xxx, 6129/0x-xxx.

The bus can be connected via enclosed terminal block.

Connections:

KNX-line: Bus terminal

Rated voltage: 24 V

Rated current: 5 mA

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 50 mm x 45 mm x 23 mm

6120/12-101-500 6120-0-0075 1/10

1) As required, you can find the programmable functions in the current application description, which you
 can download in the Support Centre on our Internet page.
 2) ETS programming only with ETS 3.0f or higher.

Product	Article-No.	Order-No.	Pack/Qty
	Commissioning/programming interface 1) For ABB i-bus® KNX bus coupler 6120/12-101, 6120/13, 6197/12, 6197/13, 6197/14, 6197/15. Commissioning via USB connection and SD card slot. Data on SD card can be used using the 4 push buttons using 4 push buttons shown on the 3-line backlit display. With integrated battery for autonomous operation for up to 8h. Battery is charged by the PC via USB cable. For interfacing a PC to the KNX. Allows direct access from PC to KNX bus (ETS 4.0 onwards) Control element: 4 push buttons for operation Display elements: Multiline backlit display Temperature range (Device): -5 °C to 45 °C		
black	6149/21-500	6133-0-0201	1

1) For software and description please check the current e-catalogue.

	Push-button coupling 1/2-gang 1) 2) 3) 4) 5) Bus coupler in delivery included For contacting conventional 1gang rocker switches. With middle position. The following range can be used: Busch-Duro 2000® SI/ SI Linear, Reflex SI/SI Linear, future® linear, <i>alpha</i> , solo®, Busch-axcent®, carat® and <i>pure stainless steel</i> . The bus can be connected via enclosed terminal block. Display elements: Integrated two-colour status LED (red, green, off) Connections: KNX-line: Bus terminal Rated voltage: 24 V, +5 V / -5 V Inputs: 2 Polling voltage: 24 V, is provided by the device Protection class (Device): IP 20 Temperature range (Device): -25 °C to 45 °C Dimensions: (L x W x D): 53 mm x 45 mm x 28 mm		
	6108/01-500	6133-0-0207	1/10

- 1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.
3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.
4) Not for Allwetter 44.
5) Programmable from ETS 3.0f and PowerTool 1.2.3

	Push-button coupling 2/4-gang 1) 2) 3) 4) 5) Bus coupler in delivery included For contacting conventional 2gang rocker switches. With middle position. The following range can be used: Busch-Duro 2000® SI/ SI Linear, Reflex SI/SI Linear, future® linear, <i>alpha</i> , solo®, Busch-axcent®, carat® and <i>pure stainless steel</i> . The bus can be connected via enclosed terminal block. Connections: KNX-line: Bus terminal Rated voltage: 24 V, +5 V / -5 V Inputs: 4 Polling voltage: 24 V, is provided by the device Protection class (Device): IP 20 Temperature range (Device): -25 °C to 45 °C Dimensions: (L x W x D): 53 mm x 45 mm x 28 mm		
	6108/02-500	6133-0-0209	1/10

- 1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.
3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.
4) Not for Allwetter 44.
5) Programmable from ETS 3.0f and PowerTool 1.2.3

Product	Article-No.	Order-No.	Pack/Qty
	Flush-mounted room thermostat 1) 2) Heating/cooling operation Room thermostat without "local operation" incl. insert for centre plate for cooling element. For controlling commercially available valve drives. Can only be used with a cover plate 2114-xxx or 6541-xxx, with the exception of 6541-20. -21. -260 and -266. For control of up to 5-level ventilation actuators The bus can be connected via enclosed terminal block. Control element: None Connections: KNX-line: Bus terminal Rated voltage: 24 V Rated current: 5 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 50 mm x 45 mm x 23 mm		
	6108/03-500	6134-0-0271	1

- 1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.

	Push-button coupling 1/2-gang for ocean 1) 2) 3) 4) Bus coupler in delivery included For contacting conventional 1gang rocker switches. With middle position. For inserting in the ocean surface-mounted housing. The bus can be connected via enclosed terminal block. Display elements: Integrated two-colour status LED (red, green, off) Connections: KNX-line: Bus terminal Rated voltage: 24 V, +5 V / -5 V Inputs: 2 Polling voltage: 24 V, is provided by the device Protection class (Device): IP 20 Temperature range (Device): -25 °C to 45 °C Dimensions: (L x W x D): 53 mm x 45 mm x 28 mm		
	6108/04-500	6133-0-0211	1/10

- 1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.
3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.
4) Programmable from ETS 3.0f and PowerTool 1.2.3

	Push-button coupling 2/4-gang for ocean 1) 2) 3) 4) Bus coupler in delivery included For contacting conventional 2gang rocker switches. With middle position. For inserting in the ocean surface-mounted housing. The bus can be connected via enclosed terminal block. Connections: KNX-line: Bus terminal Rated voltage: 24 V, +5 V / -5 V Inputs: 4 Polling voltage: 24 V, is provided by the device Protection class (Device): IP 20 Temperature range (Device): -25 °C to 45 °C Dimensions: (L x W x D): 53 mm x 45 mm x 28 mm		
	6108/05-500	6133-0-0213	1

- 1) For software and description please check the current e-catalogue.
2) ETS programming only with ETS 3.0f or higher.
3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.
4) Programmable from ETS 3.0f and PowerTool 1.2.3

Product	Article-No.	Order-No.	Pack/Qty
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Ambient temperature controller, fan coil with display, SM Bus coupler in delivery included (bundle)

Control element for ambient temperature control with LCD and 5 operating buttons
Used for single-room temperature control in heating and air-conditioning technology.
The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems.
The ambient temperature controller works in both heating and cooling mode.
The fan stage can be switched manually or in automatic mode.
Control element: Push-switch for turning the device on and off
Push-switch for selecting the fan stages
Push-switch for changing the setpoint temperatures
Push-switch for switching the temperature unit between Celsius and Fahrenheit
Display elements: LCD for displaying temperatures, operating modes, fan stages, and fault messages
Connections:
KNX-line: DP screw/clamp terminals
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 81 mm x 81 mm x 20 mm

83	aluminium silver ¹⁾	6138/11-83-500	6138-0-0005	1
84	davos/studio white	6138/11-84-500	6138-0-0003	1/10

1) Surface painted.



**Heating actuator ¹⁾
1-gang actuator**

1 electronic output (noiseless)
For connecting the thermoelectric valve drives TSA/K 230.1 or TSA/K 24.1
Per channel a maximum of 5 positioners can be connected in parallel
2 inputs for potential free contacts
Connecting cables max. 10 m
The bus can be connected via enclosed terminal block.
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -10 %
Output voltage: 24 V~
Rated frequency: 50 Hz
Outputs: 1x electronic output, potential free
Suitable for: AC1
Rated current: 1 A, cos 1
Protection class (Device): IP 20
Temperature range (Device): -25 °C to 60 °C
Dimensions: (L x W x D): 53 mm x 52 mm x 24 mm

⚙	6164 U-500	6151-0-0168	1/10
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1) For software and description please check the current e-catalogue.



Busch-Wächter® Präsenz tech KNX ¹⁾

With integrated KNX bus coupler.
Targeted for connection and disconnection of lights bands depending on the room brightness.
Regulation in response to the movement possible.
Using the device as presence and/or movement detectors.
Movement detector with up to two independent channels.
Constant light switch with up to two independent channels.
Constant light switch with max. 2 outputs for brightness-dependent switching of two light bands in the area.
Surveillance zone (for installation height 2.5 m): circular, 8 m diameter.
Surveillance density: 72 sectors with 640 switching segments.
Brightness limit value: 1 Lux - 1000 Lux
Mounting height: 2 m - 8 m
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 110 mm x 51 mm

24	alpine white	6131/10-24-500	6132-0-0295	1
183	aluminium silver	6131/10-183-500	6132-0-0297	1

1) For software and description please check the current e-catalogue.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Wächter® Präsenz tech DualLINE KNX ¹⁾ 2)

With integrated KNX bus coupler.
For dimming/brightness of the rules to a defined value in a designated collection area.
HVAC function with up to two independent channels for controlling heating and/or cooling systems and ventilation systems in the designated collection area.
Constant light controller with up to two independent channels.
Constant light controller with max. 2 outputs for dimming daylight control/rules of two rooflights in the room.
Constant light switch with up to two independent channels.
Constant light switch with max. 2 outputs for brightness-dependent switching of two light bands in the area.
10 freely programmable IR channels (blue and/or white)
Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
Weighting of up to 2 external brightness values and the internal light sensor possible.
Surveillance zone (for installation height 2.5 m): circular, 8 m diameter.
Surveillance density: 72 sectors with 640 switching segments.
Brightness limit value: 1 Lux - 1000 Lux
Mounting height: 2 m - 8 m
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 110 mm x 51 mm

24	alpine white	6131/11-24-500	6132-0-0299	1/10
183	aluminium silver	6131/11-183-500	6132-0-0301	1

1) For software and description please check the current e-catalogue.
2) HVAC = Heating/ ventilation/air-conditioning



Busch-Watchdog 220 KNX ProfessionalLINE ¹⁾

Can be connected directly to ABB i-bus® EIB using the enclosed bus terminal.
No additional power supply necessary.
Surveillance density: 92 sectors with 368 switching segments.
Dusk sensor: approx. 0.5-1,000 lux
Switch-off delay: approx. 10 sec to 32 min
Sensor angle: 220°
Range: approx. 16 m
Control element: 3 adjusting potentiometers
Connections:
KNX-line: Bus terminal
Detection range: frontal: 16 m, lateral: 16 m
Detection angle: 220 °
Brightness limit value: 0.5 Lux - 1000 Lux
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 85 mm x 145 mm

white	6179 AGM-204-500	6132-0-0160	1/10
silver metallic	6179 AGM-208-500	6132-0-0162	1

1) For software and description please check the current e-catalogue.



Surface mounting box

For Busch Watchdog Presence tech.
For the installation of a flush-mounted insert in combination with the Busch-Watchdog Presence tech 6813/(11)-xx-(101) or the Busch-Watchdog Presence tech KNX 6131/10-xxx or Busch-Watchdog Presence tech DualLINE KNX 6131/11-xxx.
Protection class (Device): IP 20

24	studio white matt	6885-500	6899-0-0282	1/10
183	aluminium silver	6885-183-500	6899-0-0298	1

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Busch-ComfortTouch® 1) 2) House control, Infotainment, Entertainment Free programmable IP/KNX touch display can be used as a control, infotainment and entertainment centre for the whole house Can be combined with different design styling frames and design bars made from authentic materials Simple operation using intuitive navigation concept House control: switching, dimming, blinds, RTR, scene/sequences, timed controls Entertainment: Audio, video, MP3, remote control RC5 and B&O Infotainment: RSS reader, e-mail, voice and graphic memo, monitoring of usage data. Security: camera, alarm and message functions, presence simulation Representation of individual floor plans, room images and operation pages Video monitoring possible, e.g. using Mobotix IP cameras 9" Touch display with 800 x 480 pixels Kompatibel zu Busch-Powernet® KNX und Busch-Instalationsbus® KNX Operation and maintenance by remote control via IP Connections: KNX-line: 10-pole multi-point connector Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Temperature range (Device): 0 °C to 45 °C Dimensions: (L x W x D): 192 mm x 287 mm x 79 mm Installation depth: 60 mm				Camera module For Busch-ComfortTouch Camera module from chrome genuine material for 8136. For application expansion of live image coverage. For mounting on the upper edge of the Busch-ComfortTouch®. The camera module includes a mechanical slidable and undetachable closure in front of the optics. The detection angle of the camera is from outside adjustable by an attitude mechanism. Detection angle ±70° With anti-theft protection. Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm		
black	8136-500	8136-0-0002	1	chrome	8136/30-500	8136-0-0012	1
					Camera module For Busch-ComfortTouch Camera module from aluminium genuine material for 8136. For application expansion of live image coverage. For mounting on the upper edge of the Busch-ComfortTouch®. The camera module includes a mechanical slidable and undetachable closure in front of the optics. The detection angle of the camera is from outside adjustable by an attitude mechanism. Detection angle ±70° With anti-theft protection. Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm		
				aluminium	8136/31-500	8136-0-0014	1
					Flush-mounted wall box For Busch-ComfortTouch For flush-mounted and hollow wall installation of the Busch-ComfortTouch Dimensions: (L x W x D): 166 mm x 254 mm x 60 mm Installation depth: 60 mm		
				black	8136/UP-500	8136-0-0020	1
	Design styling frame For Busch-ComfortTouch Design frame made of glass black genuine material for 8136 Dimensions: (L x W x D): 200 mm x 300 mm x 14 mm				Module ABB i-bus® KNX For Busch-ComfortTouch For establishing the local bus connection to the ABB i-bus® KNX Rated voltage: 24 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C		
glass black	8136/20-500	8136-0-0004	1	black	6186 UP-500	6186-0-0021	1
	Design styling frame For Busch-ComfortTouch Design styling frame made from real glass white for 8136 Dimensions: (L x W x D): 200 mm x 300 mm x 14 mm				Design bar For Busch-ComfortTouch Design bar made from real chrome for 8136 Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm		
glass white	8136/23-500	8136-0-0006	1	chrome	8136/40-500	8136-0-0016	1
	Design bar For Busch-ComfortTouch Design bar made from real aluminium for 8136 Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm						
aluminium	8136/41-500	8136-0-0018	1				

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

2) KNX connection only via module 6x86 UP.

Product	Article-No.	Order-No.	Pack/Qty
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SMARTtouch Panel 1) 2) colour
 Free programmable KNX touch display as room-integrated controlling, signalling and regulating unit.
 Can be combined with various design styling frames made of genuine materials.
 For displaying and operating up to 210 KNX standard functions (switching, dimming, blind control, showing measured values etc.), with scene function, macro recorder, presence simulation and timer programmes.
 Page display with 8 symbols, 10 or 5 touch buttons.
 With specially pre-configured media screens for controlling multimedia devices (in conjunction with auxiliary unit) via the KNX system.
 With user-defined menu structure.
 User-labelled touch screens with touch buttons with user-defined symbols.
 Call up functions directly via the touch button or via pop-up menu.
 Can be used as signalling station with acoustic feedback.
 Integrated single-room thermostat and IR reception.
 Control element: freely programmable touch surfaces
 Display elements: TFT Touch Display 320 x 240 pixels
 Connections:
 KNX-line: Screw/clamp terminal up to 1.5 mm²
 Rated voltage: 230 V~
 Rated frequency: 50 Hz
 Rated power: 12 W
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 45 °C
 Dimensions: (L x W x D): 179.9 mm x 214.8 mm x 69 mm
 Installation depth: 60 mm

6136/100 C-102-500 6136-0-0185 1

- 1) ETS programming only with ETS 3.0f or higher.
- 2) For software and description please check the current e-catalogue.



SMARTtouch B&O 1) 2) BANG & OLUFSEN, colour
 Free programmable KNX touch display as room-integrated controlling, signalling and regulating unit.
 Can be combined with various design styling frames made of genuine materials.
 Das Gerät kann über die BANG & OLUFSEN Handsender BEO4 und 5 fernbedient werden.
 For displaying and operating up to 210 KNX standard functions (switching, dimming, blind control, showing measured values etc.), with scene function, macro recorder, presence simulation and timer programmes.
 Page display with 8 symbols, 10 or 5 touch buttons.
 With specially pre-configured media screens for controlling multimedia devices (in conjunction with auxiliary unit) via the KNX system.
 With user-defined menu structure.
 User-labelled touch screens with touch buttons with user-defined symbols.
 Call up functions directly via the touch button or via pop-up menu.
 Can be used as signalling station with acoustic feedback.
 Integrated single-room thermostat and IR reception.
 Control element: freely programmable touch surfaces
 Display elements: TFT Touch Display 320 x 240 pixels
 Connections:
 KNX-line: Screw/clamp terminal up to 1.5 mm²
 Rated voltage: 230 V~
 Rated frequency: 50 Hz
 Rated power: 12 W
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 45 °C
 Dimensions: (L x W x D): 179.9 mm x 214.8 mm x 69 mm
 Installation depth: 60 mm

6136/100 CB-102 6136-0-0186 1

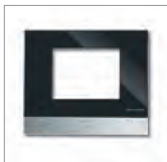
- 1) ETS programming only with ETS 3.0f or higher.
- 2) For software and description please check the current e-catalogue.

Product	Article-No.	Order-No.	Pack/Qty
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Design styling frame For LEANTouch Panel/SMARTtouch Panel.
 Design styling frame of real material for 6136/100C-xxx, 6136/100CB-xxx, 6936/100C-xxx, 6936/100CB-xxx.
 Materials: black glass with chrome flap.
 Dimensions: (L x W x D): 184.6 mm x 218 mm x 9 mm

glass black **6136/10-500** 6136-0-0139 1



Design styling frame For LEANTouch Panel/SMARTtouch Panel.
 Design styling frame of real material for 6136/100C-xxx, 6136/100CB-xxx, 6936/100C-xxx, 6936/100CB-xxx.
 Materials: black glass with aluminium flap.
 Dimensions: (L x W x D): 184.6 mm x 218 mm x 9 mm

glass black **6136/11-500** 6136-0-0141 1



Design styling frame For LEANTouch Panel/SMARTtouch Panel.
 Design styling frame of real material for 6136/100C-xxx, 6136/100CB-xxx, 6936/100C-xxx, 6936/100CB-xxx.
 Materials: white glass with aluminium flap.
 Dimensions: (L x W x D): 184.6 mm x 218 mm x 9 mm

6136/13-500 6136-0-0155 1



Flush-mounted wall box 1)
 For flush-mounted and hollow-wall installation of the LEANTouch and SMARTTouch.
 Dimensions: (L x W x D): 163.5 mm x 199 mm x 60 mm
 Installation depth: 60 mm

6136/UP 6136-0-0124 1

- 1) Halogen free.



Universal dim actuator, 4x 210 W/VA to 1x 840 W/VA 1) 2) 3)
1-4gang
 Multichannel universal dimming actuator for controlling incandescent lamps, 230 V incandescent halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.)
 Control element: Manual operation of ON brighter / Off darker and channel selection.
 Display elements: Outputs status indication via LED.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4
 Rated power: 10 - 210 W/VA
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm
 Module width: 8 MW



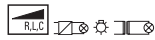
6197/12-500 6197-0-0025 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Programmable from ETS 3.0f and PowerTool 1.2.3

Product	Article-No.	Order-No.	Pack/Qty
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Universal dim actuator 4 x 315 W/VA to 1 x 1260 W/VA 1) 2) 3) 1-4gang

Multichannel universal dimming actuator for controlling incandescent lamps, 230 V incandescent halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 4 Rated power: 10 - 315 W/VA Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Installation depth: 68 mm Module width: 8 MW


6197/13-500

6197-0-0026 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Programmable from ETS 3.0f and PowerTool 1.2.3

Product	Article-No.	Order-No.	Pack/Qty
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Universal dimming actuator, 4x 600 W/VA to 1x 2400 W/VA 1) 2) 3) 1-4gang

Multichannel universal dimming actuator for controlling incandescent lamps, 230 V incandescent halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 4 Rated power: 40 - 600 W/VA Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm Module width: 12 MW

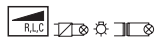

6197/15-500

6197-0-0028 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Programmable from ETS 3.0f and PowerTool 1.2.3


Universal dimming actuator, 6x 315 W/VA to 1x 1890 W/VA 1) 2) 3) 1 to 6-gang

Multichannel universal dimming actuator for controlling incandescent lamps, 230 V incandescent halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 6 Rated power: 40 - 315 W/VA Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm Module width: 12 MW


6197/14-500

6197-0-0027 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Programmable from ETS 3.0f and PowerTool 1.2.3


Universal dimming actuator 1 x 1260 W/VA 1) 2) 3) 1 gang

Universal dimming actuator for controlling incandescent lamps, 230 V tungsten halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1 Rated power: 100 - 1260 W/VA Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Installation depth: 68 mm Module width: 8 MW


6197/52-500

6197-0-0029 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Programmable from ETS 3.0f and PowerTool 1.2.3

Product Article-No. Order-No. Pack/Qty



Universal dimming actuator 1 x 2400 W/VA 1) 2) 3)
1gang
 Universal dimming actuator for controlling incandescent lamps, 230 V tungsten halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.) Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1
 Rated power: 200 - 2400 W/VA
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm
 Module width: 8 MW



6197/53-500 6197-0-0030 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Programmable from ETS 3.0f and PowerTool 1.2.3



Antenna for wireless timer
 Antenna for connection to the radio timer FW/S 4.5. The time signal of the DCF 77 transmitter can be received within a 1000km radius of Frankfurt am Main, Germany. Display elements: Operating LED
 Rated voltage: 12 V
 Protection class (Device): IP 54
 Temperature range (Device): -20 °C to 70 °C
 Dimensions: (L x W x D): 64 mm x 98 mm x 34 mm
 Installation depth: 79 mm

FA/A 2.1 GHQ6050031R0021



DCF time transmitter 1) 2) 3)
2gang
 For transmitting time and date to the EIB bus. For synchronising other bus devices. With automatic changeover between summer/winter time. Can be operated with or without DCF aerial. Power pack for DCF reception is integrated. Radio-controlled in conjunction with supplementary aerial FA/A 2.1.
 Power reserve: approx. 10 years
 The bus can be connected via enclosed terminal block. Connections:
 KNX-line: Bus terminal
 Protection class (Device): IP 20
 Temperature range (Device): -10 °C to 50 °C
 Dimensions: (L x W x D): 86 mm x 35 mm x 65.5 mm
 Module width: 2 MW

6145/10 6140-0-0027 1

- 1) For software and description please check the current e-catalogue.
- 2) 1 MW ± 18 mm.
- 3) Documentation only available in German.

Product Article-No. Order-No. Pack/Qty



Brightness, temperature switch 1) 2)
3gang
 For detecting and controlling the brightness and temperature. Threshold switch for controlling switching, dimming and blind actuators depending on the ambient brightness and/or temperature. Ability to disable one or more threshold switches. The bus connection is made via a bus terminal. Connections:
 KNX-line: Bus terminal
 Inputs: 2
 Brightness limit value: 1 Lux - 100000 Lux
 Protection class (Device): IP 54
 Temperature range (Device): -25 °C to 55 °C
 Dimensions: (L x W x D): 110 mm x 72 mm x 54 mm

6146/10 6146-0-0022 1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) Documentation only available in German.



Wind Velocity transmitter linear
 For Weather Station 6190/40-101. Serves for converting the detected wind velocity (0.7-40 m/s) into electrical signals (0-10 V). With PTC heating element for winter operation (in combination with filament transformer 6190/49). Incl. 3 m supply lead LIYY 6 x 0.25 mm²
 Rated voltage: 24 V-, +8 V / -6 V
 Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance
 Protection class (Device): IP 65
 Temperature range (Device): -25 °C to 60 °C
 Dimensions: (L x W x D): 160 mm x 124 mm

6190/41 6190-0-0031 1




Rain sensor linear
 For Weather Station 6190/40-101. Serves for converting the detected rain into electrical signals (0 V=dry - 10 V=rain). Heating 6190/49 required
 Incl. 3 m supply lead LIYY 5 x 0.25 mm²
 Rated voltage: 24 V-, +8 V / -6 V
 Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance
 Protection class (Device): IP 65
 Temperature range (Device): -30 °C to 70 °C
 Dimensions: (L x W x D): 58 mm x 83 mm x 17 mm


6190/43 6190-0-0033 1



Dusk-value transmitter linear
 For Weather Station 6190/40-101. Serves for converting the measured light value (0-255 lux) into electrical signals (0-10 V). Surface mounting box IP 65
 Recommended supply lead 3 x 0.25 mm² (max. 100 m)
 Rated voltage: 24 V-, +8 V / -6 V
 Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance
 Protection class (Device): IP 65
 Temperature range (Device): -30 °C to 70 °C
 Dimensions: (L x W x D): 58 mm x 83 mm x 35 mm


6190/44 6190-0-0034 1

Product	Article-No.	Order-No.	Pack/Qty
	Brightness-value transmitter linear For Weather Station 6190/40-101. Serves for converting the measured light value (3,000-60,000 lux) into electrical signals (0-10 V). Surface mounting box IP 65 Recommended supply lead 3 x 0.25 mm ² (max. 100 m) Rated voltage: 24 V~, +8 V / -6 V Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance Protection class (Device): IP 65 Temperature range (Device): -30 °C to 70 °C Dimensions: (L x W x D): 83 mm x 58 mm x 35 mm		
	6190/45	6190-0-0035	1


	Filament transformer 1) 2) 2gang For wind and/or rain sensor 6190/41and 6190/43. Output: 24 V~, max. 1A SELV Also suitable for supplying up to 5 thermoelectric valve drives 24 V, TSA/K 24.1. For power supply to weather station WS/S 4.1. Rated voltage: 230 V~, +10 % / -15 % Secondary: 24 V~ Rated frequency: 50 Hz/60 Hz Outputs: 2x Secondary outputs, 24 V~ Rated current: 500 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 40 °C Dimensions: (L x W x D): 90 mm x 70 mm x 58 mm Module width: 4 MW		
	6190/49-101	6190-0-0040	1

1) 1 MW ± 18 mm.

2) The technical documentation is available only in German.


	Terminal block/Connector 4-pin Diameter 4 x 0,6-0,8 mm. For e.g. bus coupler, MDRC, SM and built-in actuators. For coupling the bus line to EIB devices. Can also be used as branch terminal. red/black		
	6183	6183-0-0016	100

	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01. Busch-Duro 2000® SI		
	212 white	2114-212	6599-0-1193
214 alpine white	Reflex SI 2114-214	6599-0-0195	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat object range 6108/03 and base for blind cover 6930/01. future® linear		
	81 anthracite	6541-81	6599-0-2882
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
83 aluminium silver 1)	6541-83	6599-0-2885	10
884 studio white matt 1)	6541-884	6599-0-2962	10
885 black matt 1)	6541-885	6599-0-2967	10
solo®			
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
87 toscana/purple 1)	6541-87	6599-0-2844	10
803 meteor/grey metallic 1)	6541-803	6599-0-2940	10
815 sahara/yellow	6541-815	6599-0-2936	10
Busch-axcent®			
84 davos/studio white	6541-84	6599-0-2835	10
carat®			
81 anthracite	6541-81	6599-0-2882	10
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
pure stainless steel 1)			
866 stainless steel	6541-866	6599-0-2924	10

1) Surface painted.

*) Phase-out type


	KNX universal interface 1) 2gang The universal interface has 2 channels. These channels can be parameterised as an input or output using ETS. Conventional push-switches, auxiliary contacts, luminous diodes, and the ER/U electrical relay can be connected to the connecting lines. These lines can be extended up to 10 m. The contact scanning voltage and the feed voltage for the LEDs are provided by the device, and the series resistors for the LEDs are integrated. Connections: KNX-line: Bus terminal Inputs: 2 Polling voltage: 20 V Outputs: 2x electronic output, potential-bound Supply voltage: 5 V Rated current: 2 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 39 mm x 40 mm x 12 mm		
	US/U 2.2	GHQ6310074R0111	


1) For software and description please check the current e-catalogue.


Product	Article-No.	Order-No.	Pack/Qty
 <p>KNX universal interface ¹⁾ 4gang The universal interface has 4 channels. These channels can be parameterised as an input or output using ETS. Conventional push-switches, auxiliary contacts, luminous diodes, and the ER/U electrical relay can be connected to the connecting lines. These lines can be extended up to 10 m. The contact scanning voltage and the feed voltage for the LEDs are provided by the device, and the series resistors for the LEDs are integrated. Connections: KNX-line: Bus terminal Inputs: 4 Polling voltage: 20 V Outputs: 2x electronic output, potential-bound Rated current: 2 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 39 mm x 40 mm x 12 mm</p>	US/U 4.2	GHQ6310070R0111	

1) For software and description please check the current e-catalogue.


 <p>Universal interface 12gang The device has 12 channels that can be parameterised as individually as inputs or outputs through selection in the application program. Conventional push-switches, floating contacts, or luminous diodes can be connected. The contact scanning voltage of the contacts and the feed voltage for the LEDs are provided by the device. Series resistors for external luminous diodes are installed in the device. The universal interface is installed into a device connecting socket, 60 mm, in a flush-mounted manner. The following functions can be set according to input:- Any reaction to an edge at the output- Sending of switch/dimmer commands- Operation of dimmable lighting via a single push-switch- Operation of blinds via a single push-switch- Control and saving of light scenes- Sending any values to data types- Switching of several loads in fixed switching sequences- Generation of a PWM signal for a heating control system- Switching and flashing of LEDs. Channels: 12, can be parameterised individually as input or output; output scanning voltage: 20 V pulses; input current: 0.5 mA; output voltage of output: 3.3 V DC; output current: max. 2 mA, limited via series resistor; connection of inputs/outputs: 3x6 lines, approx. 30 cm long, pluggable, extendable to a maximum of 10 m; bus connection: bus connecting terminal; dimensions (dia. x H): 54 x 19 mm; degree of protection: IP 20, EN 60529.</p>	US/U 12.2	2CDG110065R0011	
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 <p>Electrothermal Valve Drives 24 V The thermoelectric actuator is used to open and close valves in heating, air-conditioning, and ventilation systems. Actuation can take place, for example, using the electronic switch actuator (ABB Type ES/S) or the electronic relay (ABB Type ER/U) in combination with the universal interface (ABB Type US/U) and an ambient temperature controller. For plug-in mounting onto valves and heating circuit distributors, an appropriate valve adapter of the type VA/Z XX.1 is required. Design: Closed when de-energised; voltage: 24 V AC/DC; mounting: plug-in mounting in all installation positions; connecting line: pluggable 2 x 0.75 mm² light-grey PVC, 1m; display elements: elevated display; housing: white RAL 9003; dimensions: 60 x 44 x 61 mm; degree of protection/protection class: IP 54 / II. Rated voltage: 24 V Protection class (Device): IP 54 Dimensions: (L x W x D): 60 mm x 44 mm x 61 mm</p>	TSA/K 24.1	2CDG120008R0011	
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Product	Article-No.	Order-No.	Pack/Qty
 <p>Electrothermal Valve Drives 230 V- The thermoelectric actuator is used to open and close valves in heating, air-conditioning, and ventilation systems. Actuation can take place, for example, using the electronic switch actuator (ABB Type ES/S) or the electronic relay (ABB Type ER/U) in combination with the universal interface (ABB Type US/U) and an ambient temperature controller. For plug-in mounting onto valves and heating circuit distributors, an appropriate valve adapter of the type VA/Z XX.1 is required. Design: Closed when de-energised; voltage: 230 V AC; mounting: plug-in mounting in all installation positions; connecting line: pluggable 2 x 0.75 mm² light-grey PVC, 1m; display elements: elevated display; housing: white RAL 9003; dimensions: 60 x 44 x 61 mm; degree of protection/protection class: IP 54 / II. Rated voltage: 230 V Protection class (Device): IP 54 Dimensions: (L x W x D): 60 mm x 44 mm x 61 mm</p>	TSA/K 230.1	2CDG120007R0011	


 <p>Electromotive actuator The electromotive actuator ST/K 1.1 is a proportional actuator for the control of heater valves via the KNX. The actuator is mounted to the bottom of the thermostat valve (common valve adapter included in delivery) and actuated via a constant KNX ambient temperature controller. In addition, the actual valve position is indicated by 5 LEDs. Two external inputs enable the connection of a presence detector and a window contact. Connections: KNX-line: Bus terminal Inputs: 2 Polling voltage: , Binary inputs; presence and/or window contact Protection class (Device): IP 21 Dimensions: (L x W x D): 82 mm x 50 mm x 65 mm</p>	ST/K 1.1	2CDG120004R0011	
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 <p>Valve adapter (M 30 x 1.5) For Dumser, Chronatherm, Vestcal, KaMo.</p>	VA/Z 10.1	2CDG120009R0011	
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 <p>Valve adapter (M 30 x 1.5) For Honeywell, Reich, Cazzaniga, Landis & Gyr. MNG.</p>	VA/Z 50.1	2CDG120010R0011	
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 <p>Valve adapter (Flange) for Danfoss RA.</p>	VA/Z 78.1	2CDG120011R0011	
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 <p>Valve adapter (M 30 x 1.5) For Heimeier, Herb, Onda, Schlösser (from 93 on), Oventrop.</p>	VA/Z 80.1	2CDG120012R0011	
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Product	Article-No.	Order-No.	Pack/Qty
	Valve drive actuator, 6-gang, SM In connection with ambient temperature controllers, the 6-gang valve drive actuator controls up to 13 thermoelectric actuators (24V), maximum of 4 a channel. The device is suited for installation into heating circuit distributors, whereby the TRIACs enable a noiseless switching of the drives. The transformer (230V) has a mains switch for easy installation. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 24 V~ Rated frequency: 50 Hz/60 Hz Outputs: 6x electronic output, potential free		
	VAA/A 6.24.1	2CDG120032R0011	


	Room controller basic unit 1) for 8 modules The basic room controller unit RC/A 8.1 accommodates up to 8 plug-in modules. It controls their function and communicates via ABB i-bus® KNX as a bus station. Any module type can be inserted into every slot. The insert module is automatically detected and connected to the supply and feed voltages. The hand control unit permits an immediate function test, even without applied bus voltage. Connections: KNX-line: Bus terminal Rated voltage: 230 V, +10 % / -10 % Rated frequency: 50 Hz Protection class (Device): IP 54 Temperature range (Device): -20 °C to 45 °C Dimensions: (L x W x D): 270 mm x 316 mm x 50 mm		
	RC/A 8.2	2CDG110106R0011	

1) For software and description please check the current e-catalogue.


	Room Controller, Basis Device for 4 Modules, SM Up to 4 plug-in modules can be connected. It controls their function and communicates as one bus device via the ABB i-bus®. Any module type can be plugged into each module slot. Manual operation for functional tests.		
	RC/A 4.2	2CDG110104R0011	

	Switch actuator module 1) 2-gang, 6 A Module for insertion into the basic room controller unit. For switching two consumers The maximum continuous current amounts to 6 A. Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 2x Normally open contact Suitable for: AC1/AC3 Rated current: 6 A Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	SA/M 2.6.1	2CDG110002R0011	


1) For software and description please check the current e-catalogue.

Product	Article-No.	Order-No.	Pack/Qty
	Switch Actuator Module, 2gang, 16 A, Floating Contact 1) 2gang Switches up to 16 A with two floating relay contacts. The feeding voltage is independent from the Room Controller Basis Device. It must thus be applied directly to the module. For switching two consumers Installation and contacting is effected exclusively in the room controller Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 2x Normally open contact Suitable for: AC1/AC3 Rated current: 16 A Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	SA/M 2.16.1	2CDG110100R0011	


1) For software and description please check the current e-catalogue.

	Switch/dim actuator module 1) 2-gang, 6 A Module for insertion into the basic room controller unit. It enables the switching and dimming of two lamp groups in conjunction with electronic ballast units of 1 to 10 V control voltage. Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A Output voltage: 230 V~ Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	SD/M 2.6.2	2CDG110107R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

	Blind actuator module 1) 2-gang, 230 V AC Module for insertion into the basic room controller unit. It controls two independent blind or roller shutter drives at 115/230 V AC. Special functions: Positioning and automatic sun protection function Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 2x Change-over switch Suitable for: AC1 Rated current: 6 A Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	JA/M 2.230.1	2CDG110003R0011	

1) For software and description please check the current e-catalogue.

	Blind actuator module 1) 2-gang, 24 V DC Module for insertion into the basic room controller unit. It controls two independent blind or roller shutter drives at 24 V DC. Special functions: Positioning and automatic sun protection function Rated voltage: 24 V Outputs: 2x Change-over switch Suitable for: DC Rated current: 6 A Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	JA/M 2.24.1	2CDG110004R0011	

1) For software and description please check the current e-catalogue.

Product Article-No. Order-No. Pack/Qty



**Light regulating module 1)
1-gang, 6 A**
Module for insertion into the basic room controller unit. It permits the switching and dimming of a lamp group of 1 to 10 V control voltage.
In conjunction with a LF/U 2.1 light sensor, the device can be used for constant light regulation.
Rated voltage: 230 V
Rated frequency: 50 Hz
Outputs: 1x Normally open contact, potential free
Suitable for: AC1
Rated current: 6 A
Output voltage: 230 V~
Control/Signal outputs: 1, electronic output, 0-10 V
Rated current: 30 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

LR/M 1.6.2 2CDG110108R0011

1) For software and description please check the current e-catalogue.



**Binary input module 1)
4-gang, 115/230 V**
Module for insertion into the basic room controller unit. It has 4 inputs for connecting 115/230 V contacts (AC or DC). The voltage is provided by the module.
Inputs: 4
Protection class (Device): IP 20
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

BE/M 4.230.1 2CDG110005R0011

1) For software and description please check the current e-catalogue.



**Binary input module 1)
4-gang, 12/24 V**
Module for insertion into the basic room controller unit. It has 4 inputs for connecting 12/24 V contacts (AC or DC). The voltage must be provided externally.
Inputs: 4
Protection class (Device): IP 20
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

BE/M 4.24.1 2CDG110006R0011

1) For software and description please check the current e-catalogue.



**Binary input module 1)
4-gang**
Module for insertion into the basic room controller unit. It has 4 outputs for connecting floating contacts. The scanning voltage is provided by the device.
Polling voltage: 12 V, potential-separated
Protection class (Device): IP 20
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

BE/M 4.12.1 2CDG110007R0011

1) For software and description please check the current e-catalogue.

Product Article-No. Order-No. Pack/Qty



**Universal dim actuator module 1) 2) 3)
1-gang, 300 VA**
Module for insertion into the basic room controller unit. It dims incandescent lamps, 230 V halogen lamps, or low-voltage halogen lamps with up to 300 W/VA.
Suited for various load types (automatic load detection). To a large extent, the device compensates for ripple control signals and voltage fluctuations. The minimum load amounts to only 2 W.
Rated voltage: 230 V
Rated frequency: 50 Hz
Outputs: 1x electronic output, potential-bound
Suitable for: 230 V incandescent lamps/230 V halogen lamps
Rated power: 300 W/VA
Suitable for: 127 V incandescent lamps/127 V halogen lamps
Rated power: 150 W/VA
Protection class (Device): IP 20
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

UD/M 1.300.1 2CDG110012R0011

1) For software and description please check the current e-catalogue.
2) Not for dimmable electronic ballasts.
3) In the case of conventional transformers, take ~20% transformer loss into account.



**Electronic switch actuator module 1)
2-gang, 115/230 V**
Module for insertion into the basic room controller unit. It has two overload-proof, noiseless, and non-wearing outputs.
They control heating systems and chilled ceilings using electrothermal actuators with a voltage of 230 V AC, max. 700 mA continuous current.
Rated voltage: 230 V
Rated frequency: 50 Hz
Outputs: 2x electronic output, potential-bound, 230 V~
Rated current: 0.7 A, cos 1
Protection class (Device): IP 20
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

ES/M 2.230.1 2CDG110013R0011










1) For software and description please check the current e-catalogue.



**Electronic switch actuator module 1)
2-gang, 24 V**
Module for insertion into the basic room controller unit. It has two overload-proof, noiseless, and non-wearing outputs.
They control heating systems and chilled ceilings using electrothermal actuators with a voltage of 12/24 V AC/AC, max. 700 mA continuous current.
Rated voltage: 24 V
Rated frequency: 50 Hz
Outputs: 2x electronic output, potential-bound, 230 V~
Rated current: 0.7 A, cos 1
Protection class (Device): IP 20
Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

ES/M 2.24.1 2CDG110014R0011

1) For software and description please check the current e-catalogue.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Room Master, Basic, MDRC The Room Master opens up new possibilities for objects for which rooms with living areas and bathroom are controlled and can be used efficiently. Room Master was developed for these rooms, which can be typically found in hotels, hospitals, sheltered housing for senior citizens, and student dormitories. It meets all requirements on the electrical installation of this application and offers the following functions in a compact form: • Lighting control • Heating/cooling control • Shading control (using blinds or curtains) • Switching of socket outlets and loads. Due to the communication of the devices via the KNX bus, the centralised control functions and emergency calls from the rooms to a central unit can be realised. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Inputs: 8 Polling voltage: 19 V, potential-separated Outputs: 8x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Installation depth: 68 mm Module width: 8 MW				Binary input, 4gang, contact scanning, MDRC The device scans 4 floating contacts with internally created scanning voltage. Input status display via 4 yellow LEDs. A maximum of 4 input signals (in 2 groups) can be recorded. One button per channel for manual operation. Supplied via ABB i-bus®.		
	RM/S 1.1	2CDG110094R0011			BE/S 4.20.2.1	2CDG110090R0011	
	Room Master, Premium, MDRC The Room Master opens up new possibilities for objects for which rooms with living areas and bathroom are controlled and can be used efficiently. Room Master was developed for these rooms, which can be typically found in hotels, hospitals, sheltered housing for senior citizens, and student dormitories. It meets all requirements on the electrical installation of this application and offers the following functions in a compact form: • Lighting control • Heating/cooling control • Shading control (using blinds or curtains) • Switching of socket outlets and loads. Due to the communication of the devices via the KNX bus, the centralised control functions and emergency calls from the rooms to a central unit can be realised. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Inputs: 13 Polling voltage: 19 V, potential-separated Outputs: 18x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm Module width: 12 MW				Binary input, 8gang, contact scanning, MDRC The device scans 8 floating contacts with internally created scanning voltage. Input status display via 8 yellow LEDs. A maximum of 8 input signals can be recorded. One button per channel for manual operation. Supplied via ABB i-bus®.		
	RM/S 2.1	2CDG110095R0011			BE/S 8.20.2.1	2CDG110092R0011	
	Analog input, 2-gang, SM Can be used wherever analogue variables are to be recorded in a decentralised manner. The sophisticated case design enables fast, clear wiring and thus a fast connection of sensors. Extensive adjustment possibilities for a number of typical sensors (1 – 10 V, 0(4) – 20 mA, 0 – 1 V, PT 100, PT 1000, etc.) for detecting temperature, brightness, filling level, etc. For active sensors, a separate auxiliary power supply is required. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Inputs: 2 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C				Analog input 4gang The 4-gang analogue input is used for the recording and processing of analogue variables. The 4 measuring channels can be configured for various current or voltage signals, such as 0 to 20 mA, 0 to 1 V, and 0 to 10 V The device requires a 230 V AC power supply. The voltage for the supply of the sensors is provided by the device. Connections: KNX-line: Bus terminal Rated voltage: 230 V~ / -30 % Rated frequency: 50 Hz/60 Hz Inputs: 4 Outputs: 1x Auxiliary voltage output for sensor supply Rated current: 300 mA Output voltage: 24 V~ Protection class (Device): IP 20 Module width: 4 MW		
					AE/A 2.1	2CDG110086R0011	
	Binary input, 4gang, 10-230 V, MDRC The device records four 10 to 230 V AC/DC signals. Input status display via 4 yellow LEDs. A maximum of 4 input signals (in 2 groups) can be recorded. One button per channel for manual operation. Supplied via ABB i-bus®.				Analog input, 2-gang, SM Can be used wherever analogue variables are to be recorded in a decentralised manner. The sophisticated case design enables fast, clear wiring and thus a fast connection of sensors. Extensive adjustment possibilities for a number of typical sensors (1 – 10 V, 0(4) – 20 mA, 0 – 1 V, PT 100, PT 1000, etc.) for detecting temperature, brightness, filling level, etc. For active sensors, a separate auxiliary power supply is required. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Inputs: 2 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C		
	BE/S 4.230.2.1	2CDG110091R0011			AE/S 4.2	2CDG110030R0011	
	Binary input, 8gang, 10-230 V, MDRC The device records eight 10 to 230 V AC/DC signals. Input status display via 8 yellow LEDs. A maximum of 8 input signals can be recorded. One button per channel for manual operation. Supplied via ABB i-bus®.						
	BE/S 8.230.2.1	2CDG110093R0011					

Product Article-No. Order-No. Pack/Qty



Timer 1) 2)
2-channel
 The timer with the week program controls electrical load groups in a time-controls manner via ABB i-bus® KNX. Every channel can switch a load group on or off or transmit a brightness value to a dimmer actuator.
 24 memory locations with free block structure of the weekdays.
 Control element: Keyboard
 Display elements: LCD display
 Connections:
 KNX-line: Bus terminal
 Outputs: 2
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 86 mm x 36 mm x 65.5 mm
 Module width: 2 MW

SW/S 2.5 GHQ6050062R0001

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Timer 1) 2)
4gang
 The timer with the day, week, and year program controls electrical load groups using ABB i-bus® KNX independent of time.
 The time and date are sent to other bus devices on ABB i-bus® KNX for synchronisation.
 Every channel can switch a load group on or off or transmit a brightness value to a dimmer actuator.
 The switch times can be programmed on the clock or on the computer in conjunction with the PK/E 1.1 memory card and the PS/E 1.1 programming set.
 Power reserve: approx. 1.5 years
 Battery type: lithium CR2450, 3 V
 The bus can be connected via enclosed terminal block.
 Control element: 15 set keys
 Display elements: 1 LCD
 Connections:
 KNX-line: Bus terminal
 Outputs: 4
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 86 mm x 108 mm x 64 mm
 Installation depth: 68 mm
 Module width: 6 MW

SW/S 4.5 GHQ6050061R0001

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Radio Time Switch, MDRC (prepared for DCF 1) 2)
4gang
 For time-dependent switching and dimming of KNX actuators and for time/date transmission.
 Radio-controlled in conjunction with supplementary aerial FA/A 2.1.
 Power pack for DCF reception is integrated.
 Programming on the timer or with PC (programming set).
 Data transfer and data protection possible using optional memory card.
 Memory locations: 324 (free block-formation)
 Power reserve: approx. 1.5 years
 Battery type: lithium CR2450, 3 V
 The bus can be connected via enclosed terminal block.
 Control element: Keyboard
 Display elements: LCD display
 Connections:
 KNX-line: Bus terminal
 Outputs: 4
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 86 mm x 108 mm x 64 mm
 Installation depth: 68 mm
 Module width: 6 MW

FW/S 4.5 GHQ6050060R0001

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

Product Article-No. Order-No. Pack/Qty



Antenna for wireless timer
 Antenna for connection to the radio timer FW/S 4.5.
 The time signal of the DCF 77 transmitter can be received within a 1000km radius of Frankfurt am Main, Germany.
 Display elements: Operating LED
 Rated voltage: 12 V
 Protection class (Device): IP 54
 Temperature range (Device): -20 °C to 70 °C
 Dimensions: (L x W x D): 64 mm x 98 mm x 34 mm
 Installation depth: 79 mm

FA/A 2.1 GHQ6050031R0001



Programming set
 The programming set contains a CD-ROM with the Obelisk software for the creation of switching programs for the SW/S 4.5 and FW/S 4.5 timers, a PK/E 1.1 memory card for the transfer of the switching programs and data backup, a programming adapter for the memory card for connection to a computer (RS232), and a manual.

PS/E 1.1 GHQ6001942R0001



Memory card
 For the transfer of the switch programs and data backup for the SW/S 4.5 and FW/S 4.5 timers.

PK/E 1.1 GHQ6001943R0001



Light sensor 1) 2)
3gang
 Controls the lighting dependent on daylight using ABB i-bus® KNX.
 Applications can be set as twilight switches (1 to 100 lx) or light value switches (100 to 20 000 lx) during the parameterisation of the device.
 The light sensor is included in delivery.
 Connections:
 KNX-line: Bus terminal
 Inputs: 1
 Brightness limit value: 1 Lux - 20000 Lux
 Protection class (Device): IP 20
 Protection class (Sensor): IP 54
 Temperature range (Device): -5 °C to 45 °C
 Temperature range (Sensor): -40 °C to 70 °C
 Dimensions: (L x W x D): 45 mm x 36 mm x 65.5 mm
 Module width: 2 MW

HS/S 3.1 GHQ6050063R0001

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Weather station ¹⁾ ²⁾
4gang**

The WS/S 4.1 weather station enables the recording and processing of four independent, analogue input signals according to DIN IEC 60381 (0-1 V, 0-5 V, 0-10 V, 1-10 V, 0-20 mA, 4-20 mA, 0-1000 Ohm, PT 100 in 2-conductor technology and floating contact).

A power pack with 24 V DC voltage has been integrated to supply the sensors.

The device can alternatively be operated with an operating voltage of 115 to 230 V AC, 50/60 Hz.

A maximum of 300 mA is available across the entire voltage range.

The application software is suited for the recording of weather data.

Connections:

KNX-line: Bus terminal

Rated voltage: 24 V~, +15 % / -15 %

Secondary: 24 V

Inputs: 4

Polling voltage: , Input resistance approx. 18 kOhm

Outputs: 2

Rated current: 100 mA

Output voltage: 24 V

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 58 mm

Installation depth: 68 mm

Module width: 4 MW

WS/S 4.1

2CDG110032R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.


Weather unit ¹⁾ ²⁾

The WZ/S 1.1 detects and processes weather data it receives from the weather sensor. The weather sensor supplies data on twilight, brightness in three directions, rain, temperature, information on day/night, wind speeds, and time and date.

The WZ/S 1.1 weather station is adapted to the WES/A weather sensor.

The weather sensor is directly supplied with power via the integrated power pack.

The device can alternatively be operated with an operating voltage of 115 to 230 V AC, 50/60 Hz.

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Inputs: 1

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 58 mm

Installation depth: 68 mm

Module width: 4 MW

WZ/S 1.1

2CDG110034R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.


Weather sensor

The WES/A 2.1 weather sensor records - preferably in the private sector - wind speed, rain, brightness in three directions, twilight, temperature, and date and time via GPS signal. The WES/A 2.1 is adapted to the ABB central weather system.

An additional heating transformer is not required.

Protection class (Device): IP 65

Temperature range (Device): -30 °C to 70 °C

Dimensions: (L x W x D): 80 mm x 67 mm x 125 mm

WES/A 2.1

2CDG120033R0011

Product	Article-No.	Order-No.	Pack/Qty
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Blind control module

Controls blind actuators according to the position of the sun via ABB i-bus® KNX.

The blind control module has shading and daylight control functions for up to 4 facades.

Objects that create shadows can be taken into consideration.

Connections:

KNX-line: Bus terminal

Protection class (Device): IP 20

Module width: 2 MW

JSB/S 1.1

GHQ6310084R0111


Security module ¹⁾ ²⁾
MDRC

In small and medium-sized KNX installations the security module provides logic functions that link the different KNX devices (e.g. detector group terminals, movement detectors, etc.) to an alarm/signalling system.

Up to 64 different detector groups can be evaluated.

The device has three LEDs for displaying the operating condition and a freely controllable relay output to which a signal transducer, for example, can be connected.

In addition, the device has an internal buzzer. A buffered KNX power supply is recommended.

Connections:

KNX-line: Bus terminal

Rated voltage: 24 V

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 36 mm x 61 mm

Module width: 2 MW

SCM/S 1.1

2CDG110024R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.


Diagnosis and protection module ¹⁾

The diagnosis and protection module DSM/S enables a fast diagnosis of the bus state and indicates telegram traffic via an LED. Using the NC and NO contacts, a bus failure (U<Umin) can be indicated. The DSM/S also contains a suppressor diode that limits the short-time overvoltages and fault voltage peaks to the KNX.

Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm

Installation depth: 68 mm

Module width: 2 MW

DSM/S 1.1

2CDG110060R0011


1) 1 MW ± 18 mm.


Interface for central break-in detection units, MDRC


For professional applications, the main break-in detector unit L240 with numerous sensors for all monitoring tasks and convenient SafeKey alarm-setting unit provides a universal solution. Integration into KNX systems is possible via the XS/S 1.1 interface. Numerous advantages result: when unset, for example, an open state detector can also shut down the heating to save energy. In case an alarm is triggered, KNX stations can also perform actions, like switch on the light or actuate the roller shutters. This interaction offers additional advantages in system integration, which also continue to fulfil the requirements of the VdS (Vertrauen durch Sicherheit - Trust Through Security Association) up to Class C.

XS/S 1.1


2CDG110075R0011


Product	Article-No.	Order-No.	Pack/Qty
 <p>Security terminal ¹⁾ 4gang, MDRC Finds application as interface between sensors of the security technology and the KNX. The device has 4 inputs, so-called signal groups. They serve for monitoring the connection of passive detectors (e.g. magnetic contacts and/or glass-break sensors) to ABB i-bus® KNX or for connection of floating contacts in applications with increased security requirements. The device can be used as system with its own alarm logic or in combination with security module SCM/S or a burglar alarm centre L240 with KNX interface XS/S. The device requires an external 12 V DC SELV auxiliary voltage (e.g. NTU/S 12.2000.1).</p>			
	MT/S 4.12.2M	2CDG110109R0011	

1) 1 MW ± 18 mm.


 <p>Security terminal ¹⁾ 8gang, MDRC Finds application as interface between sensors of the security technology and the KNX. The device has 8 inputs, so-called signal groups. They serve for monitoring the connection of passive detectors (e.g. magnetic contacts and/or glass-break sensors) to ABB i-bus® KNX or for connection of floating contacts in applications with increased security requirements. The device can be used as system with its own alarm logic or in combination with security module SCM/S or a burglar alarm centre L240 with KNX interface XS/S. The device requires an external 12 V DC SELV auxiliary voltage (e.g. NTU/S 12.2000.1).</p>			
	MT/S 8.12.2M	2CDG110110R0011	

1) 1 MW ± 18 mm.

 <p>Security terminal 2gang, flush-mounted Finds application as interface between sensors of the security technology and the KNX. The device has 2 inputs, so-called signal groups. They serve for monitoring the connection of passive detectors (e.g. magnetic contacts and/or glass-break sensors) to ABB i-bus® KNX or for connection of floating contacts in applications with increased security requirements. The device can be used as system with its own alarm logic or in combination with security module SCM/S or a burglar alarm centre L240 with KNX interface XS/S. The device requires an external 12 V DC SELV auxiliary voltage (e.g. NTU/S 12.2000.1).</p>			
	MT/U 2.12.2	2CDG110111R0011	


 <p>Magnet reed contact set For monitoring the opening of windows and doors, complete, for screw-on or drilling. Contents: 1 magnet, 1 reed contact with LIVY 4 x 0.14 mm² 4 m connecting cable, 2 cases, 2 spacer plates, 2 flanges, 4 anti-magnetic fastening screws.</p>			
	MRS/W	GHQ3201972R0001	
	MRS/B	GHQ3201972R0002	

white
brown


 <p>Magnet reed contact saver set ¹⁾ For monitoring the opening of windows and doors, complete, for screw-on or drilling. Contents: 20 magnets, 20 reed contacts with LIVY 4 x 0.14 mm² 4 m connecting cable, 40 cases, 40 spacer plates, 40 flanges, 80 anti-magnetic fastening screws.</p>			
	VMRS/W	GHQ3201972R0011	
	VMRS/B	GHQ3201972R0012	

white
brown


1) without picture

Product	Article-No.	Order-No.	Pack/Qty
 <p>Glass break sensors For the monitoring of the glass surfaces of windows, shop windows and doors, high interference immunity, integrated memory display. Extremely small dimensions. Dimensions: (H x W x D) 18 x 18 x 9 mm. It is mounted to glass using Loctite adhesive (LKS). With 5 m connecting cable.</p>			
	SPGS/W	GHV9220004V0009	
	SPGS/B	GHV9220004V0010	


white
brown

 <p>Vibration alarm The electronic vibration detector has an LED display. The sensitivity is individually adjustable. The LIVY 4 x 0.14 mm² connecting cable is 4 m long. It is mounted to glass using Loctite adhesive (LKS).</p>			
	EMA/W	GHV9220009V0003	


white

 <p>Lock monitoring for windows The closure is monitored using a special magnet and a reed contact. The magnet is installed onto the push rod of the window sash, and the reed contact is mounted on the frame. The LIVY 4 x 0.14 mm² connecting cable is 4 m long.</p>			
	VSUE	GHV9210018V0022	


white


 <p>Data logging unit, MDRC ¹⁾ The data logging unit BDB/S 1.1 is a KNX device for serial installation with 2 MW module widths. The device is used for the recording of switch play and operating hours, for example, of 35 switch actuator channels. In addition, limits can be set. If the limits are exceeded, alarm messages are transmitted on the bus. The BDB/S 1.1 is supplied by the ABB i-bus® KNX and requires no additional power supply. The bus is connected through a bus connecting terminal located on the front of the unit. Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm Module width: 2 MW</p>			
	BDB/S 1.1	2CDG110067R0011	


1) 1 MW ± 18 mm.

 <p>Meter interface unit, MDRC ¹⁾ The meter unit module records consumption and measured values of electrical power consumption counters via ABB i-bus®. The device has an infrared interface by means of which ABB can read power consumption counters of the types DELTAplus, DELTAsingle, and ODIN respectively. The read information and data, for example, can be used for cost centre accounting, power optimisation, visualisation, or installation monitoring. Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 2 MW</p>			
	ZS/S 1.1	2CDG110083R0011	


1) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Fault monitoring unit, MDRC The fault monitoring unit SMB/S 1.1 is used to detect up to 100 fault messages via ABB i-bus® KNX. The fault messages are prepared in the module and can be passed on to a display. In addition, an optical and acoustic collective message is available on the bus. Messages can be acknowledged and data losses can be indicated. The SMB/S 1.1 supports the following message types defined in DIN 19 235: indication with continuous light, new value indication with light that flashes once, new value indication with one-time acknowledgement, and motor indication. Current values can be scanned in a centralised manner. Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Module width: 2 MW		
	SMB/S 1.1	GHQ6310085R0111	


	Monitoring unit, MDRC The KNX monitoring unit EUB/S 1.1 is used to monitor up to 100 bus stations in ABB i-bus® KNX installations. Bus stations are monitored for existence and minimum functionality. For this purpose, four types of monitoring are available. Individual bus subscribers can be collected in up to 5 groups for monitoring purposes. Bus connection: via bus connecting terminal; mounting: on support rail 35 mm, DIN EN 60715; width: 2 modules with 18 mm each; degree of protection: IP20 DIN EN 60529. Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Module width: 2 MW		
	EUB/S 1.1	2CDG110066R0011	

	Universal I/O concentrator 1) The universal I/O concentrator is used to connect push-switches or signal lamps to ABB i-bus®, e.g. in an operating/display panel. It has 32 channels, which are freely parameterisable as inputs or outputs using ETS. The device needs an external auxiliary voltage of 12 V DC or 24 V DC, e.g. NT/S 24,800. Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW		
	UK/S 32.2	2CDG110071R0011	


1) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Power pack 12 V 1) 1600 mA A universally used power pack for the auxiliary voltage in KNX systems or other SELV applications. The compact device in pro M design provides a regulated output voltage of 12 V DC with a maximum output current of 1.6 A. The device is protected against overload and the output is permanently short-circuit protected. The status of the supply and output voltages is indicated via 2 LEDs. Display elements: LEDs green: Status of supply voltage or output voltage Rated voltage: 230 V, +10 % / -15 % Output voltage: 12 V, +1 % / -1 % Rated frequency: 50 Hz/60 Hz Rated current: 1600 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW		
	NT/S 12.1600	GHQ6050056R0002	

1) 1 MW ± 18 mm.

	Power pack 24 V 1) 800 mA SELV A universally used power pack for the auxiliary voltage in KNX systems or other SELV applications. The compact device in pro M design provides a regulated output voltage of 24 V DC with a maximum output current of 0.8 A. The device is protected against overload and the output is permanently short-circuit protected. The status of the supply and output voltages is indicated via 2 LEDs. Display elements: LEDs green: Status of supply voltage or output voltage Rated voltage: 230 V, +10 % / -15 % Output voltage: 24 V, +1 % / -1 % Rated frequency: 50 Hz/60 Hz Rated current: 800 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW		
	NT/S 24.800	GHQ6050057R0002	

1) 1 MW ± 18 mm.

	Switch actuator, 10 AX 1) 2) 2gang Switches 2 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 10 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm Module width: 2 MW		
	SA/S 2.10.1	2CDG110039R0011	

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.

Product Article-No. Order-No. Pack/Qty



Switch actuator, 16 A 1) 2)
2gang
 Switches 2 independent electrical loads via ABB i-bus® KNX with floating contacts.
 For each output, the contact can be manually operated.
 The switching state of the contact is displayed.
 The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 2x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 10 A, cos 0.65
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 6 A, cos 0.65
 Output voltage: 400 V~
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
 Installation depth: 68 mm
 Module width: 2 MW

SA/S 2.16.1 2CDG110062R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Switch actuator, 6 A 1) 2)
4gang
 Switches 4 independent electrical loads in 2 groups with 2 contacts each via ABB i-bus® KNX with floating contacts.
 The 6A-AC3 series is suited for switching ohmic, inductive, and capacitive loads.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 6 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
 Installation depth: 68 mm
 Module width: 2 MW

SA/S 4.6.1 2CDG110036R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

Product Article-No. Order-No. Pack/Qty



Switch actuator, 10 AX 1) 2)
4gang
 Switches 4 independent electrical loads via ABB i-bus® KNX with floating contacts.
 For each output, the contact can be manually operated.
 The switching state of the contact is displayed.
 The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 10 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 Module width: 4 MW

SA/S 4.10.1 2CDG110040R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Switch actuator, 16 A 1) 2)
4gang
 Switches 4 independent electrical loads via ABB i-bus® KNX with floating contacts.
 For each output, the contact can be manually operated.
 The switching state of the contact is displayed.
 The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 10 A, cos 0.65
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 6 A, cos 0.65
 Output voltage: 400 V~
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 Module width: 4 MW

SA/S 4.16.1 2CDG110063R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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Switch actuator, 6 A 1) 2)
8gang

Switches 8 independent electrical loads in 4 groups with 2 contacts each via ABB i-bus® KNX with floating contacts. The 6A-AC3 series is suited for switching ohmic, inductive, and capacitive loads.

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 8x Normally open contact, potential free

Suitable for: AC1

Rated current: 6 A, cos 1

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm

Installation depth: 68 mm

Module width: 4 MW

SA/S 8.6.1

2CDG110037R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.


Switch actuator, 10 AX 1) 2)
8gang

Switches 8 independent electrical loads via ABB i-bus® KNX with floating contacts.

For each output, the contact can be manually operated.

The switching state of the contact is displayed.

The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669.

Control element: Manual operation possibility for ON/OFF via sliding switch

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 8x Normally open contact, potential free

Suitable for: AC1

Rated current: 10 A, cos 1

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm

Installation depth: 68 mm

Module width: 8 MW

SA/S 8.10.1

2CDG110041R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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Switch actuator, 16 A 1) 2)
8gang

Switches 8 independent electrical loads via ABB i-bus® KNX with floating contacts.

For each output, the contact can be manually operated.

The switching state of the contact is displayed.

The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads.

Control element: Manual operation possibility for ON/OFF via sliding switch

Display elements: Status display of the outputs via position of the sliding switches

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 8x Normally open contact, potential free

Suitable for: AC1

Rated current: 16 A, cos 1

Output voltage: 230 V~

Suitable for: AC3

Rated current: 10 A, cos 0.65

Output voltage: 230 V~

Suitable for: AC3

Rated current: 6 A, cos 0.65

Output voltage: 400 V~

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm

Installation depth: 68 mm

Module width: 8 MW

SA/S 8.16.1

2CDG110064R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.


Switch actuator, 6 A 1) 2)
12gang

Switches 12 independent electrical loads in 6 groups with 2 contacts each via ABB i-bus® KNX with floating contacts. The 6A-AC3 series is suited for switching ohmic, inductive, and capacitive loads.

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 12x Normally open contact, potential free

Suitable for: AC1

Rated current: 6 A, cos 1

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm

Installation depth: 68 mm

Module width: 6 MW

SA/S 12.6.1

2CDG110038R0011

1) For software and description please check the current e-catalogue.
2) 1 MW ± 18 mm.

Product Article-No. Order-No. Pack/Qty



Switch actuator, 10 AX ¹⁾ 2)
12gang
 Switches 12 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 12x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 10 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm
 Installation depth: 68 mm
 Module width: 12 MW

SA/S 12.10.1 2CDG110042R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Switch actuator, 16 A, C-load ¹⁾ 2)
12gang
 Switches 12 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads. Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 12x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 10 A, cos 0.65
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 6 A, cos 0.65
 Output voltage: 400 V~
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm
 Installation depth: 68 mm
 Module width: 12 MW

SA/S 12.16.1 2CDG110082R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Switch actuator with current detection, 16/20 AX, C-load
2gang
 Switches 2, 4 or 8 independent electrical consumers with high switch-on currents using floating contacts. The switch actuators have a current recognition with increased accuracy for each output for monitoring connected electrical circuits. Each output can be operated manually and offers a switch-position indicator. The 16/20AX C-load series is particularly suited for switching loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669. Via the ETS application it is possible to copy and exchange outputs.

SA/S 2.16.6.1 2CDG110112R0011

Product Article-No. Order-No. Pack/Qty



Switch actuator with current detection, 16/20 AX, C-load
4gang
 Switches 2, 4 or 8 independent electrical consumers with high switch-on currents using floating contacts. The switch actuators have a current recognition with increased accuracy for each output for monitoring connected electrical circuits. Each output can be operated manually and offers a switch-position indicator. The 16/20AX C-load series is particularly suited for switching loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669. Via the ETS application it is possible to copy and exchange outputs.

SA/S 4.16.6.1 2CDG110113R0011



Switch actuator with current detection, 16/20 AX, C-load ¹⁾
8gang
 Switches 2, 4 or 8 independent electrical consumers with high switch-on currents using floating contacts. The switch actuators have a current recognition with increased accuracy for each output for monitoring connected electrical circuits. Each output can be operated manually and offers a switch-position indicator. The 16/20AX C-load series is particularly suited for switching loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669. Via the ETS application it is possible to copy and exchange outputs.

SA/S 8.16.6.1 2CDG110114R0011

1) 1 MW ± 18 mm.



Energy actuator 16/20 A, MDRC ¹⁾
 Records energy consumption of the connected consumers in the final current circuit. Different electric quantities can be monitored and load peaks can be limited with a simple load control. The 3 output channels can be operated manually and display the current switching state. The energy actuator can switch resistive, inductive and capacitive loads. The switching capacity corresponds to SA/S X.16.6.1.


SE/S 3.16.1 2CDG110136R0011


1) 1 MW ± 18 mm.




Analogue actuator
4gang
 The analogue actuator outputs values received via KNX as analogue signals. The device has four analogue outputs, that can be used independently of each other as current or voltage outputs. With the analogue actuator module AAM/S, the number of analogue outputs of the analogue can be expanded to eight. The device requires an external 24 V auxiliary voltage.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 24 V~, +10 % / -10 %
 Outputs: 4
 Protection class (Device): IP 20
 Module width: 4 MW

AA/S 4.1 2CDG120005R0011


Product	Article-No.	Order-No.	Pack/Qty
 <p>Analogue actuator, expansion 4gang With the analogue actuator module, the number of analogue outputs of the analogue actuator AA/S 4.1 can be expanded to eight outputs. The outputs can be used independently of each other as current or voltage outputs. The device requires an external 24 V auxiliary voltage. Connections: KNX-line: Bus terminal Rated voltage: 24 V~, +10 % / -10 % Outputs: 4 Protection class (Device): IP 20 Module width: 4 MW</p>	AAM/S 4.1	2CDG120006R0011	

 <p>Blower/fan coil actuator 1) 2) 1-gang, 6 A Controls a 3-stage fan via a multistage or alternating control module. This guarantees that no two fan stages can be activated at the same time. For this purpose, a parameterisable switch interval is also available. The unused output can be used to actuate a valve switch an electronic load. In this way, 2-conductor fan coil systems with a heating and/or cooling circuit or with an alternating heating/cooling circuit can be actuated using ABB i-bus® KNX. For the valve control system, separate objects are available so that control is also possible using an electronic switch actuator or a switch actuator with a high switch capacity according to requirement. In addition, forced operation and 4 operating modes (frost/heat protection, night, comfort and standby modes) can be set for the fan and valve. With a single application program, the following functions are possible: - 3-stage fan actuation plus switch output - Actuation of 2-conductor fan coil systems with 3-stage fans and a valve The following objects are available as control variables in KNX:- Three 1-bit objects for the manual actuation of the fan - One 1-bit object for the manual activation/deactivation of a fan stage - One or two 1-byte objects for a heating and/or cooling control variable. As required an object can be switched for the central unit or a heating/cooling object can be released for the reception of a heating or cooling information message. Outputs: 3 outputs for a fan group, 1 output for valve or electrical loads; rated current: 6 A, switching capacity according to DIN EN 60 947-4-1: 6 A/AC1, 6 A/AC3 (at 230V AC), according to DIN EN 60 669: 6 A; max. capacitive load 35 µF; load current circuit connection: screw terminals; KNX connection: screwless bus connecting terminal; mounting: on support rail 35 mm, DIN EN 60 715; with: 4 modules with 18 mm each; degree of protection: IP 20, EN 60 529. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 4x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm Module width: 2 MW</p>	LFA/S 1.1	2CDG110077R0011	
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1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Blower/fan coil actuator 1) 2) 2-gang, 6 A Controls a 3-stage or 5-stage fan via a multistage or alternating control module. This guarantees that no two fan stages can be activated at the same time. The unused outputs can be used to actuate valves or switch electrical loads. In this way, 2-conductor, 3-conductor, or 4-conductor fan coil systems with heating and/or cooling circuits can be actuated using ABB i-bus® KNX. For the valve control system, separate objects are available so that control is also possible using an electronic switch actuator or a switch actuator with a high switch capacity according to requirement. In addition, forced operation and 4 operating modes (frost/heat protection, night, comfort and standby modes) can be set for the fan and valve. With a single application program, the following functions are possible:- A 3-stage fan control system plus 5 valve or switch outputs- A 5-stage fan plus 3 valve or switch outputs- 2 independent 3-stage fan control systems plus 2 valve or switch outputs- Actuation of 2-conductor fan coil systems with 3-stage or 5-stage fans- Actuation of 3-conductor fan coil systems with 3-stage or 5-stage fans- Actuation of 4-conductor fan coil systems 3-stage or 5-stage fans. The following objects are available as control variables in KNX:- Three 1-bit objects for the manual actuation of the fan - One 1-bit object for the manual activation/deactivation of a fan stage - One or two 1-byte objects for a heating and/or cooling control variable. Outputs: 8 outputs for up to two fan groups; rated current: 6 A; switching capacity according to DIN EN 60 947-4-1: 6 A/AC1, 6 A/AC3 (at 230V AC), according to DIN EN 60 669: 6 A; max. capacitive load 35 µF; load current circuit connection: screw terminals; KNX connection: screwless bus connecting terminal; mounting: on support rail 35 mm, DIN EN 60 715; with: 4 modules with 18 mm each; degree of protection: IP 20, EN 60 529. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 8x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW</p>	LFA/S 2.1	2CDG110078R0011	

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

 <p>Fan coil actuator, MDRC For the actuation of typical fan convectors using two electronic outputs for thermoelectric or electromotive actuators and 3 outputs for the individual fan stages. A further load output switches additional loads (up to 16 A), for example an additional heater. Via two binary inputs, window contacts or a condensate water indication can be scanned and transferred to the KNX. The easily understandable manual operation enables fast commissioning. Control element: Manual actuation possibility of the inputs/outputs. Display elements: Status/control display via LEDs Connections: KNX-line: Bus terminal Outputs: 4x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW</p>	FCA/S 1.1M	2CDG110084R0011	
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Product Article-No. Order-No. Pack/Qty



Fan coil controller

The fan coil controller controls motorised and thermal heating and ventilation valves and multi-stage fans via ABB i-bus® KNX or as an individual unit in combination with the temperature sensor TS/K1.1.

Two binary inputs are available for the 24 V AC alarm contacts.

The fan coil controller requires a 230 V AC power supply. The 24 V DC auxiliary voltage for binary inputs is provided by the device.

Protection class (Device): IP 20

Module width: 6 MW

FC/S 1.1

2CDG120001R0011



Temperature sensor for the fan coil controller

TS/K 1.1

2CDG120002R0011



Electronic relay 1-gang relay

In combination with the US/U x.2 universal interface and an ambient temperature controller, the device is used for the temperature control of individual rooms.

Thermal actuators for heater valves are actuated in a noise-free, non-wearing manner.

ER/U 1.1

GHQ6310044R0111



Blind actuator with manual control 4gang

For the actuation of SMI blind or roller shutter drives via four independent SMI channels.

On-site operation via manual operating buttons is also possible without KNX connection.

No separate SMI commissioning possible.

Functions of the application program:- UP/DOWN movement, stop/blade adjustment- Positioning (up to 4 preset positions)- Setting of position (change of the preset position via KNX)- Positioning 0% to 100%- Scenes- Sun protection and heating/cooling automatic control- Prime position for bus and auxiliary voltage failure or return and programming- Wind, rain, and frost alarm monitoring (cyclic)- Locking and forced operation- Status messages = current position, blade position, blind up/down, SMI diagnosis, auxiliary voltage, current operating mode, SMI failure, automatic, manual operation- Lock/enable manual operation via KNX.

Outputs: 4 independent SMI outputs; number of SMI drives: max. of 4 drives per channel; up/down operation: 2 buttons for each output and 2 LEDs for manual operation up/down, stop/blade adjustment; KNX/manual: 1 push-switch and 1 LED for changeover or display of operation via KNX and manual operation; operating voltage: 230 V AC + 10/-15%, 45 to 65 Hz; connection: screw terminal; bus connection: bus connecting terminal; mounting: onto support rail 35 mm, DIN EN 60175; width: 4 modules with 18 mm each; degree of protection: IP 20, EN 60 529.

Control element: Two push-switches and two LEDs for Up/Down manual operation for each output; stop/blade adjustment, one push-switch and one LED for switching over or displaying drives via KNX and manual operation

Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 45 Hz/65 Hz

Control/Signal outputs: 4, Independent SMI outputs, maximum of four drives per channel

Protection class (Device): IP 20

Module width: 4 MW

JA/S 4.SMI.1M

2CDG110028R0011

Product Article-No. Order-No. Pack/Qty



Blind/Roller Shutter Actuator, 2-fold, 230 V AC, MDRC

are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. To protect the drives, the output contacts are electromechanically locked against each other.

NEW

JRA/S 2.230.1.1

2CDG110129R0011



Blind/Roller Shutter Actuator with Manual Operation, 2-fold, 230 V AC, MDRC

are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. To protect the drives, the output contacts are electromechanically locked against each other.

Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.

NEW

JRA/S 2.230.2.1

2CDG110120R0011



Blind/Roller Shutter Actuator with Travel Detection and Manual Operation, 2-fold, 230 V AC, MDRC

are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. The travel times of the drive are detected automatically via current detection. To protect the drives, the output contacts are electromechanically locked against each other. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.

NEW

JRA/S 2.230.5.1

2CDG110124R0011



Blind/Roller Shutter Actuator 4-fold, 230 V AC, MDRC

are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. To protect the drives, the output contacts are electromechanically locked against each other.

NEW

JRA/S4.230.1.1

2CDG110130R0011





Blind/Roller Shutter Actuator with Manual Operation, 4-fold, 230 V AC, MDRC

are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. To protect the drives, the output contacts are electromechanically locked against each other. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.

NEW

JRA/S 4.230.2.1

2CDG110121R0011

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Blind/Roller Shutter Actuator with Travel Detection and Manual Operation 4-fold, 230 V AC, MDRC are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. The travel times of the drive are detected automatically via current detection. To protect the drives, the output contacts are electromechanically locked against each other. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.				Blind/Roller Shutter Actuator with Travel Detection and Manual Operation 8-fold, 230 V AC, MDRC are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. The travel times of the drive are detected automatically via current detection. To protect the drives, the output contacts are electromechanically locked against each other. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.		
	NEW JRA/S4.230.5.1		2CDG110125R0011		NEW JRA/S 8.230.5.1		2CDG110126R0011
	Blind/Roller Shutter Actuator with Travel Detection and Manual Operation, 4-fold, 24 V DC, MDRC is used to control a maximum of 4 independent 24 V DC drives via ABB i-bus® KNX. The device is designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. The travel times of the drive are detected automatically via current detection. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.				SMI Blind/Roller Shutter Actuator 4-fold, LoVo, MDRC It controls four independent groups (broadcast) with up to four SMI (Standard Motor Interface) LoVo drives for positioning blinds, roller shutters, awnings and other shading products. Status signals (motor fault, direction of movement) can also be sent from the SMI drive on the bus. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.		
	NEW JRA/S 4.24.5.1		2CDG110128R0011		NEW SJR/S4.24.2.1		2CDG110143R0011
	Blind/Roller Shutter Actuator, 8-fold, 230 V AC, MDRC are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. To protect the drives, the output contacts are electromechanically locked against each other.				Light controller, 2-gang, 1-10V, MDRC In conjunction with electronic ballast units, enables the switching and dimming of light current circuits via 2 independent channels. In conjunction with the LF/U 2.1 light sensor, constant light regulation can be realised. For a precise detection of the lighting conditions, up to 2 or 4 light sensor can be connected to a controller. Control element: Manual operation possibility for ON/OFF via sliding switch Display elements: Status display of the outputs via position of the sliding switches Connections: KNX-line: Bus terminal Rated voltage: 230 V Secondary: 440 V Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 16 A, cos 1 Output voltage: 230 V~ Suitable for: AC3 Rated current: 10 AX Output voltage: 230 V~ Control/Signal outputs: 2, electronic output, 0-10 V Rated current: 100 mA max. length: 100 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW		
	NEW JRA/S 8.230.1.1		2CDG110131R0011		LR/S 2.16.1		2CDG110087R0011
	Blind/Roller Shutter Actuator with Manual Operation 8-fold, 230 V AC, MDRC are used to control independent 230 V AC drives via ABB i-bus® KNX. The devices are designed for positioning blinds, roller shutters, awnings and other shading products as well as for controlling doors, windows and ventilation flaps. Additional auxiliary voltage is not needed. To protect the drives, the output contacts are electromechanically locked against each other. Push buttons are located at the front of the device to control the outputs e.g. during commissioning. The current status of the output is displayed via LEDs.						
	JRA/S8.230.2.1		2CDG110122R0011				

Product Article-No. Order-No. Pack/Qty



Light controller, 4-gang, 1-10V, MDRC
 In conjunction with electronic ballast units, enables the switching and dimming of light current circuits via 2 independent channels. In conjunction with the LF/U 2.1 light sensor, constant light regulation can be realised. For a precise detection of the lighting conditions, up to 2 or 4 light sensors can be connected to a controller.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V
 Secondary: 440 V
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 10 AX
 Output voltage: 230 V~
 Control/Signal outputs: 4, electronic output, 0-10 V
 Rated current: 100 mA
 max. length: 100 m
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm
 Module width: 8 MW

LR/S 4.16.1 2CDG110088R0011

Product Article-No. Order-No. Pack/Qty



Switch/dim actuator 1) 2)
4gang
 MDRC devices for switching and dimming independent lamp groups from electrical ballast units with a 1-10V control interface via ABB i-bus®. For each channel the supply voltage of the ballast units can be switched on or off manually with a floating load relay (16A-AC1) via ABB i-bus®. A switching state display is present. No power supply is required.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Control/Signal outputs: 4, electronic output, 0-10 V
 Rated current: 100 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm
 Installation depth: 68 mm
 Module width: 6 MW

SD/S 4.16.1 2CDG110080R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Light sensor, FM
 Used in conjunction with the LR/S x.16.1 light controllers for constant light regulation. Various light control rods, the connecting terminal, and the cover for discrete installation in the room are included in delivery.
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 20 mm x 54 mm

LF/U 2.1 2CDG110089R0011



Switch/dim actuator 1) 2)
8gang
 MDRC devices for switching and dimming independent lamp groups from electrical ballast units with a 1-10V control interface via ABB i-bus®. For each channel the supply voltage of the ballast units can be switched on or off manually with a floating load relay (16A-AC1) via ABB i-bus®. A switching state display is present. No power supply is required.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 8x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Control/Signal outputs: 8, electronic output, 0-10 V
 Rated current: 100 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm

SD/S 8.16.1 2CDG110081R0011

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.



Switch/dim actuator 1) 2)
2gang
 MDRC devices for switching and dimming independent lamp groups from electrical ballast units with a 1-10V control interface via ABB i-bus®. For each channel the supply voltage of the ballast units can be switched on or off manually with a floating load relay (16A-AC1) via ABB i-bus®. A switching state display is present. No power supply is required.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 2x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Control/Signal outputs: 2, electronic output, 0-10 V
 Rated current: 100 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 Module width: 4 MW

SD/S 2.16.1 2CDG110079R0011



Universal dim actuator, 300 VA 1)
 For the switching and dimming of incandescent lamps, 230V halogen lamps, or low-voltage halogen lamps on coiled or electronic transformers (automatic load detection). Output power 2x300 VA up to 45°C ambient temperature and a maximum of 500 VA if only one output is operated. Both outputs are independent of each other and can be supplied by various phases. An extensive application programme with scene and time functions.
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 Module width: 4 MW

UD/S 2.300.2 2CDG110074R0011

1) 1 MW ± 18 mm.

1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty		
	DALI gateway 1) 2) 1-gang gateway The 1-gang DALI gateway (DALI = Digital Addressable Lighting Interface) is used to actuate DALI operating units (EVGs, transformers, LED converters, and so on, using a DALI interface according to DIN EN 60929) via KNX. Up to 64 DALI operating units can be connected to a main channel. Every individual operating unit can be switched directly with only one KNX communication object, dimmed, or actuated at a certain brightness value. On a second auxiliary channel, an additional 64 DALI operating units can be individually addressed in broadcast mode or through coded addressing with two communication objects (address + function). In addition, the setting of 15 light scenes is possible. The 64 DALI subscribers of a channel can be actuated together in broadcast mode. For this purpose, the following functions are available:- Switching, dimming, and setting brightness- Feedback like EVG and lamp faults- Lamp warm-up The parameterisation of DG/S 1.1 takes place using the Engineering Tool Software (ETS). The DALI address is assigned automatically in both channels via the DALI gateway. The DALI operating units are mapped on KNX in an unordered, ascending manner and available immediately for actuation. An individual change of the DALI address is also possible without ETS using the DGS11 software tool. The group assignment takes place in any manner using the KNX group functions. The DALI power source for the 128 DALI subscribers is integrated into the gateway. Output: 2 independent DALI channels; number of DALI devices: maximum of 64 per channel; operating voltage: 85 to 265 V AC, 45 to 65 Hz, 110 to 240 V DC; connection: screw terminal; mounting: on support rail 35 mm, DIN EN 60 715; width: 4 modules with 18 mm each; degree of protection: IP 20, DIN EN 60 529. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 2x DALI channels, independent Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW					DALI gateway 1) 2) 8gang For the actuation of DALI operating devices (electronic ballast units, transformers, etc.) via ABB i-bus® KNX. 8 separate, independent DALI outputs/channels are available. For each channel up to 16 (a maximum of 128 at the gateway) DALI operating devices can be connected. The switching, dimming, setting a permanent value, and lamp and EVG fault feedback messages are available for every output. A lamp warm-up time and 16 light scenes can be set. An addressing or commissioning of the DALI operating devices is not required. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 8x DALI channels, independent Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm Installation depth: 68 mm Module width: 6 MW			
	DG/S 1.1		2CDG110026R0011		DG/S 8.1		2CDG110025R0011		
					DALI switch actuator 1) The DALI switch actuator has a DALI interface and switches (16AX-AC3) 2 independent electrical consumers with high switch-on currents (C-loads) using floating contacts. It is actuated via DALI (Digital Addressable Lighting Interface). Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW				
					DSA/S 2.16.1		2CDG110009R0011		
					DALI light controller, 8gang, MDRC For switching and dimming 16 independent lamp groups. A maximum of 64 DALI participants can be connected. The device can be used in connection with 8 light sensors LF/U 2.1 as 8gang light regulator for constant light regulation. Error feedback messages can be programmed and activated via KNX. With comfortable manual operation and status display.				
					DLR/S 8.16.1M		2CDG110101R0011		
					DALI gateway, 1-gang, group control, MDRC 1) Forms the interface between DALI KNX installation and contains the DALI power supply. Up to 64 DALI subscribers can be assigned to any 16 lamp groups. Each group can be switched, dimmed, and actuated with a brightness value. Scene and sequencer functions are available for light effects. Fault feedback messages can be programmed and activated via KNX. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 1x DALI channels, independent Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm Module width: 4 MW				
	DG/S 1.16.1		2CDG110103R0011		DALI-Gateway with Emergency Lighting Control 1-fold, Group Control, MDRC for controlling DALI devices via the ABB i-bus®. Up to 64 DALI Slaves can be connected. Self contained emergency converter acc. EN 62386-202 will be supported. Control and status feedback is carried out via KNX with 16 lighting groups. By means of KNX and emergency converter different emergency tests (e.g. function and duration test) can be triggered. Feedback is sent. Slave-, staircase- and sequencer- function are integrated. For an individual change of the DALI address or group assignment a separate DGS-Software-Tool is available.				
					DGN/S 1.16.1		2CDG110142R0011		

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW ± 18 mm.

1) 1 MW ± 18 mm.

NEW

Product Article-No. Order-No. Pack/Qty



Logic module 1) 2)

The logic module solves project-specific control tasks and can perform 3 different functions at the same time. The following functions are available: logic gate, gateway, time element, multipliers, min/max value transducers, temperature comparators, value changeover, fast value recording, format changer, scenes, counter, and staircase lighting.

Connections:
KNX-line: Bus terminal
Rated voltage: 29 V-
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 18 mm x 61 mm
Module width: 2 MW

LM/S 1.1 GHQ6310080R0111

1) ETS programming only from ETS 2 V1.2a.
2) 1 MW ± 18 mm.

Product Article-No. Order-No. Pack/Qty



KNX power supply 160 mA 1) SELV

A power supply with integrated choke supplies connected devices with bus voltage. An LED indicates the operational readiness. Ideal for a few devices or for the supply on main and area lines.

Display elements: LEDs green: Status of supply voltage or output voltage
Rated voltage: 230 V~, +10 % / -15 %
Secondary: 30 V, +1 V / -1 V
Rated frequency: 50 Hz/60 Hz
Outputs: 1x short-circuit protected
Rated current: 160 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Module width: 4 MW

SV/S 30.160.5 2CDG110085R0011

1) 1 MW ± 18 mm.



Application module, logic 1)

The "Logic" application module enables the creation of extensive logic functions through the combination of various logic and time gates on a graphic user interface as a plug-in in ETS without additional software. For this purpose, 30 logic gates, 50 gateways, 30 time elements, and 10 comparators are available. This is an application program designed purely for ETS3.

Connections:
KNX-line: Bus terminal
Rated voltage: 29 V
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
Installation depth: 68 mm
Module width: 2 MW

ABL/S 2.1 2CDG110073R0011

1) 1 MW ± 18 mm.



Voltage supply 320 mA 1) SELV

With integrated choke for the generation and monitoring of the ABB i-bus® KNX system voltage.

The bus can be connected via enclosed terminal block. Display elements: LEDs green: Status of supply voltage or output voltage
Rated voltage: 230 V~, +10 % / -15 %
Secondary: 30 V, +1 V / -1 V
Rated frequency: 50 Hz/60 Hz
Outputs: 1x short-circuit protected
Rated current: 320 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Module width: 4 MW

SV/S 30.320.5 GHQ6310038R0111

1) 1 MW ± 18 mm.



Application module, time 1)

The "Time" application module provides a twelve-month timer with 15 daily routines (800 switching times), a weekly routine, and 100 special days. In addition, up to 300 volume members can be created in 30 volumes, which can be called via triggers. Several actions can thus be triggered for every switching time. The switch times can also be changed without ETS using the free PZM 2.0 software, the application program designed solely for ETS3.

Connections:
KNX-line: Bus terminal
Rated voltage: 29 V
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
Installation depth: 68 mm
Module width: 2 MW

ABZ/S 2.1 2CDG110072R0011

1) 1 MW ± 18 mm.



Voltage supply 640 mA 1) SELV

With integrated choke for the generation and monitoring of the ABB i-bus® KNX system voltage.

With a 30 V DC output for supplying an additional line in connection with an additional choke. The bus can be connected via enclosed terminal block.

Control element: Reset switch
Display elements: Status indication via LEDs
Connections:
KNX-line: Bus terminal
second line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Secondary: 30 V, +2 V / -2 V
Rated frequency: 50 Hz/60 Hz
Outputs: 2x short-circuit protected
Rated current: 640 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm
Module width: 6 MW

SV/S 30.640.5 GHQ6310048R0111

1) 1 MW ± 18 mm.




Commissioning power pack, 28 V DC, 30 mA


For the temporary supply of KNX devices during commissioning. Fast connection and supply of manually operated devices (such as FCA/S) using European standard plugs and plug-in terminals.

Display elements: LEDs green: Status of supply voltage or output voltage
Rated voltage: 230 V~, +10 % / -15 %
Secondary: 30 V, +1 V / -1 V
Rated frequency: 45 Hz/65 Hz
Outputs: 1x short-circuit protected
Rated current: 30 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 55.5 mm x 55 mm x 25.5 mm


NTI/Z 28.30.1 2CDG110096R0011


Product	Article-No.	Order-No.	Pack/Qty
 <p>Uninterruptible power supply 640 mA ^{1) 2)} With integrated choke for the generation and monitoring of the ABB i-bus® KNX system voltage. Up to 2 batteries that buffer the power supply in case of a mains failure can be connected. In normal operation, the battery is charged by the power supply. With floating contact for the indication of faults. The bus can be connected via enclosed terminal block. Control element: Reset switch Display elements: Status indication via LEDs Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Secondary: 30 V, +2 V / -2 V Rated frequency: 50 Hz/60 Hz Outputs: 1x short-circuit protected Rated current: 640 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm Module width: 8 MW</p>	SU/S 30.640.1	GHQ6310049R0111	


1) 1 MW ± 18 mm.
 2) For software and description please check the current e-catalogue.

 <p>Battery module ^{1) 2)} 12 V DC For use in combination with the uninterruptible KNX power supply SU/S 30.640. Lead gel battery for buffering the ABB i-bus® KNX system voltage for bridging mains failures for at least 10 minutes (at full load). Connection by 4-wire standard cable Rated voltage: 12 V- Outputs: 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Module width: 8 MW</p>	AM/S 12.1	GHQ6310062R0111	
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1) 1 MW ± 18 mm.
 2) For software and description please check the current e-catalogue.

 <p>Cable set Basic For the connection of the SAK7, SAK12, and SAK17 lead gel batteries to the uninterruptible KNX power supply SU/S 30.640.1. If only 1 battery is connected the KS/K 4.1 cable set with integrated temperature sensor has to be used. If 2 batteries are connected in parallel, the KS/K 4.1 cable set has to be used for one battery and the KS/K 2.1 cable set for the other. More than 2 batteries may not be connected in parallel.</p>	KS/K 4.1	GHQ6301910R0001	
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 <p>Cable set Expansion For the connection of the SAK7, SAK12, and SAK17 lead gel batteries to the uninterruptible KNX power supply SU/S 30.640.1. If only 1 battery is connected the KS/K 4.1 cable set with integrated temperature sensor has to be used. If 2 batteries are connected in parallel, the KS/K 4.1 cable set has to be used for one battery and the KS/K 2.1 cable set for the other. More than 2 batteries may not be connected in parallel.</p>	KS/K 2.1	GHQ6301910R0011	
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Product	Article-No.	Order-No.	Pack/Qty
 <p>Lead gel batteries For buffering the ABB i-bus® KNX system voltage for bridging mains failures. For connection to the uninterruptible KNX power supply SU/S 30.640.1. A maximum of 2 lead gel batteries (of the same type) can be connected in parallel. For connection, the KS/K 4.1 or KS/K 2.1 cable sets have to be used. 12 V, 7 Ah Rated voltage: 12 V Dimensions: (L x W x D): 98 mm x 151 mm x 65 mm</p>	SAK7	GHV9240001V0011	
	SAK12	GHV9240001V0012	
	SAK17	GHV9240001V0013	

 <p>Choke SELV The choke disconnects the bus line from the power supply. It can be used to supply a second KNX line in combination with the SV/S 30.640.5 power supply. The choke has a reset button to release the bus line and reset the bus subscribers connected to this line to the initial state. The bus connection is made via a bus terminal. The 30V auxiliary voltage is connected via a connecting terminal. Control element: Reset switch Display elements: Operating LED Connections: KNX-line: integrated pressure contacts Rated voltage: 30 V Outputs: 1 Supply voltage: 29 V Rated current: 500 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Module width: 2 MW</p>	DR/S 4.1	2CDG110029R0011	
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 <p>Interface USB ^{1) 2) 3)} The USB/S 1.1 USB interface enables communication between the computer and the KNX system. The data transfer is displayed using the KNX and USB LEDs. The USB interface can be used from ETS 3 V1.0 on. Display elements: LED T: message interchange on the bus, LED K: communication via the interface Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 61 mm Installation depth: 68 mm Module width: 2 MW</p>	USB/S 1.1	2CDG110008R0011	
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1) For software and description please check the current e-catalogue.
 2) 1 MW ± 18 mm.
 3) Use only in combination with the ETS 3 or PowerProjekt 4.0

Product Article-No. Order-No. Pack/Qty



Line coupler ¹⁾

The line coupler is used to connect KNX lines or areas in larger installations. In the process, the lines/areas are galvanically isolated from each other. At the same time, telegrams can be filtered to reduce the telegram traffic in a line.
 The LK/S 4.1 has bus connecting terminals for the main line and subordinate lines.
 Within a line, the LK/S 4.1 can also be used as a line amplifier (repeater).
 Display elements: LEDs: Voltage monitoring, message interchange
 Connections:
 higher-ranking line: Bus terminal
 lower-ranking line: Bus connection terminal
 Rated voltage: 29 V
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 18 mm x 61 mm
 Installation depth: 68 mm
 Module width: 2 MW

LK/S 4.1 2CDG110027R0011

1) ETS programming only from ETS 2 V1.2.



IP router ¹⁾

The IP router is the interface between KNX installations and IP networks. It can be used as a fast line or area coupler and thus as a local area network (LAN) for the fast exchange of telegrams between the lines/areas. With ETS 3.0, KNX devices can be programmed via LAN. The device uses the KNXnet/IP protocol of the KNX association (routing and tunnelling). The IP address of the IG/S can be permanently assigned or received by a DHCP server. Power is supplied via 12 to 30 V DC.
 Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
 Installation depth: 68 mm
 Module width: 2 MW

IPR/S 2.1 2CDG110061R0011

1) 1 MW ± 18 mm.



IP interface ¹⁾

Interface between KNX and IP networks for the programming of KNX devices together with ETS 3.0 or for forwarding telegrams to/from the LAN (e.g. for visualisations). The device uses the KNXnet/IP protocol of the KNX association (tunnelling). The IP address can be permanently assigned or received by a DHCP server. Power is supplied via 12 to 30 V DC.
 Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
 Installation depth: 68 mm
 Module width: 2 MW

IPS/S 2.1 2CDG110098R0011

1) 1 MW ± 18 mm.



Optical fiber interface

The device is used to connect two sections of an ABB i-bus® KNX line using optical fiber link to bridge greater distances or avoid having to use lightning and overvoltage protection devices when laying lines beyond the building. Two devices are required to set up a transmission route.
 Control element: Send/receive LED
 Connections:
 KNX-line: Bus terminal
 Protection class (Device): IP 20
 Module width: 4 MW

LL/S 1.1 GHQ6050053R0001

Product Article-No. Order-No. Pack/Qty



Telephone gateway

With the telephone gateway, configurable voice messages can be sent via the telephone network. 100 objects are available in ETS as inputs/outputs. In addition to voice messages, e-mail or text messages can also be sent. If the device is called, states can be queried and commands executed using MFV/DTMF. The device has an integrated web server that enables simple operation and parameterisation with a common browser via LAN.
 Module width: 8 MW

TG/S 3.2 2CDG110135R0011

Accessory set for telephone gateway ¹⁾

Includes a crossover cable (RJ45 plug, 1 m length), a telephone cable, 6-pole, (RJ11 plug, 3 m length) and a TAE adapter.

TG/Z 1.1 2CDG110119R0011

1) without picture



Bus bar, 4 contacts

For the supply of the phase at several floating contacts of a device (e.g. SD/S, SA/S, etc.). Reduces the amount of wiring required and creates secure connections. The PS 1/4/6 is preassembled and can be used immediately.

PS 1/4/6-KNX 2CDG924003R0011

Bus bar, 60 contacts ¹⁾

For the supply of the phase at several floating contacts of a device (e.g. SD/S, SA/S, etc.). Reduces the amount of wiring required and creates secure connections. PS 1/60/6 is cut to the desired length and terminated with end caps.

PS 1/60/6-KNX 2CDG924004R0011

1) without picture



End cap for bus bar

PS-END 1-S 2CDL000001R0001



Wiring bridges

For the bus connection of the devices using bus connecting terminals on the front side.
 Preassembled bridges for connecting the device horizontally or vertically.
 Horizontal, 100 mm

VB/K 100.1 GHQ6301908R0003

Horizontal, 200 mm
VB/K 200.1 GHQ6301908R0001

Vertical, 270 mm
VB/K 270.1 GHQ6301908R0002





Overvoltage protection DP


Used for the fine overvoltage protection of KNX components.
 Temperature range (Device): -5 °C to 45 °C


US/E 1 GHQ6310009R0001


Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Electronic switch actuator, 4gang, 1 A, MDRC 1) Triggers thermoelectric actuating drives (e.g. TSA/K, 24 V...230 V AC/DC) in heating and cooling systems noiselessly. The outputs are short-circuit proof and overload-protected. With comfortable manual operation and status display. Programmable automatic valve flushing cares for a consistent flow.				Roll-up door magnetic reed contact set For monitoring opening of roll-up doors or similar large doors in the industrial sector. Content: 1 magnet, 1 reed contact with 2 m connecting cable 4 x 0.14 mm ² , 1 m protective tube and 1 set of mounting accessories. Dimensions: H x W x D = reed contact 159 x 50 x 19 mm; magnet 100 x 40 x 35 mm; Protection type: IP 68; Environment class according to VdS 4; VdS Class B.		
	ES/S 4.1.2.1		2CDG110058R0011		RTK		GHQ3201973R0021
1) 1 MW ± 18 mm.							
	Burglar alarm centre L240, German version Compact burglar alarm centre, extendable up to 80 signal groups and four areas. Can be connected with: maximum of 8 L240/BS or 4 L840/B; 24 L240/MG2 or 16 L840/MG4; 8 L208/PT or L840/PT; 1 L208/V.24. At least 1 control element and 1 SAK7 battery are required.				Uninterruptible Power Supply Unit, 12 V DC, 2 A, MDRC The Uninterruptible Power Supply Unit NTU/S 12.2000.1 is a modular installation device in ProM-Design, for snap-on mounting on a 35 mm mounting rail in a universal, wall-mounted or ceiling panel distribution board as well as in distributed surface mounted housings. The power supply delivers sufficient power for all types of demanding applications with a buffered output voltage of 12 V DC (SELV) and a maximum output current of 2 A. Operating malfunctions of the power supply are signalled via a changeover contact and can be sent for evaluation purposes. Up to two 12 V DC sealed lead-acid batteries (gel cell) can be connected in parallel with the power supply, in conjunction with the KS/K 4.1 and KS/K 2.1 cable sets, or the AM/S 12.1 battery module.		
	L240		2CDG230004R0011		NTU/S 12.2000.1		2CDG110070R0011
	LCD control element For operating and programming the control centre. The messages are displayed via a two-line LCD display. The centre is operated and programmed via menus. Internal and external setting of alarms is possible at the control element. VdS Class C.				Loctite adhesive Adhesive, 5 ml. Activator, 4 ml.		
	L240/PT		2CDG230014R0011		LKS		GHQ4001906R0001
	L840/PT		GHQ3280001R0001				
	IP Switch Master, 5 Port, MDRC 1) IP Switch Slave for DIN rail mounting. To connect up to 5 terminal devices. Can be extended to 10 terminal devices through lateral coupling with the IP Switch Master (ISM/S). The slave is inoperative without the master. <ul style="list-style-type: none"> • can be freely cascaded via front ports • 4096 MAC addresses storable • autosensing • autonegotiation • auto-partitioning • store-and-forward principle • MDI/MDix • semi and full duplex operation 				LED control element For the simple operation of the basic control centre. 10 LEDs to display the 10 inputs of the detector groups. Additional internal setting of alarms and resetting of alarms is possible. VdS Class C.		
	ISM/S 5.1		2CDG120034R0011		L208/PT		GHQ3280201R0001
1) 1 MW ± 18 mm.							
	IP Switch Slave, 5 Port, MDRC 1) IP Switch Slave for DIN rail mounting. To connect up to 5 terminal devices. Can be extended to 10 terminal devices through lateral coupling with the IP Switch Master (ISM/S). The slave is inoperative without the master. <ul style="list-style-type: none"> • can be freely cascaded via front ports • 4096 MAC addresses storable • autosensing • autonegotiation • auto-partitioning • store-and-forward principle • MDI/MDix • semi and full duplex operation 				IP interface For programming the L240 via PC with an Ethernet interface, incl. WinPC software.		
	ISS/S 5.1		2CDG120035R0011		L240/IP		2CDG230013R0011
1) 1 MW ± 18 mm.					Serial interface card For programming the L240 via PC with a serial V24 interface, incl. WinPC software.		
					L208/V.24		GHQ3280220R0001
	IP Patch Module, MDRC The IP Patch Module consists of an RJ-45 module and a mounting adapter for fixing to the mounting rail.				BUS infrared motion detector, VdS Class B For the direct connection to the bus of the burglar alarm control centre L240; a maximum of 40 detectors can be addressed by the control centre. The motion detectors of passive infrared technology are registered for VdS Classes B and C (monitored against being covered). They make spatial monitoring possible up to a range of 15 m. Registered for VdS Class B.		
	IPM/S 1.1		2CDG120036R0011		IR/XB		2CDG230023R0011


Product	Article-No.	Order-No.	Pack/Qty
	BUS infrared motion detector, VdS Class C For the direct connection to the bus of the burglar alarm control centre L240; a maximum of 40 detectors can be addressed by the control centre. The motion detectors of passive infrared technology are registered for VdS Classes B and C (monitored against being covered). They make spatial monitoring possible up to a range of 15 m. Registered for VdS Class C.		
IR/XC		2CDG230024R0011	


	BUS dual motion detector, VdS Class B For the direct connection to the bus of the burglar alarm control centre L240; a maximum of 40 detectors can be addressed by the control centre. The dual detectors combine proven passive infrared technology with microwave technology that remains unaffected by temperatures. The combination of these two modes of action results in a detector that distinguishes itself through its high safety against false alarms even during unfavourable environmental conditions while at the same time retaining high safety in detection. The detector is registered for VdS Class B and C (monitored against being covered). They make spatial monitoring possible up to a range of 15 m. Registered for VdS Class B.		
EIM/XB		2CDG230025R0011	


	BUS dual motion detector, VdS Class C For the direct connection to the bus of the burglar alarm control centre L240; a maximum of 40 detectors can be addressed by the control centre. The dual detectors combine proven passive infrared technology with microwave technology that remains unaffected by temperatures. The combination of these two modes of action results in a detector that distinguishes itself through its high safety against false alarms even during unfavourable environmental conditions while at the same time retaining high safety in detection. The detector is registered for VdS Class B and C (monitored against being covered). They make spatial monitoring possible up to a range of 15 m. Registered for VdS Class C.		
EIM/XC		2CDG230026R0011	


	2-detector group module, flush-mounted For extending the control centre by 2 signal groups. Serves for the connection of outer shell detectors such as magnetic reed contacts and passive glass break sensors. The module has 2 signal groups to each of which 2 detectors can be connected via LSA strips. The simple installation in the 60 mm installation socket near the window makes the module an intelligent distributor.		
L240/MG2		2CDG220003R0011	

	4-detector group module For extending the control centre by 4 signal groups. A SAD housing is required to instal it.		
L840/MG4		GHQ3280011R0001	

	SafeKey wall-mounted reader For arming and disarming with evaluation module L240/BS. It is operated by inserting an electronic SafeKey chip key. The WEL SafeKey wall-mounted reader is equipped with a key reader and an acknowledgment buzzer. VdS Class C.		
WEL/A,ES		GHQ3050023R0001	

Product	Article-No.	Order-No.	Pack/Qty
	SafeKey wall-mounted reader, with keypad For arming and disarming with evaluation module L240/BS. It is operated by inserting an electronic SafeKey chip key and/or a code keypad. The WELT SafeKey wall-mounted reader is equipped with a key reader, an acknowledgment buzzer and a code keypad. VdS Class C.		
stainless steel Matt chromium-plated	WELT/A,ES WELT/A,MC	GHQ3050024R0001 GHQ3050024R0011	















	SafeKey chip key This is an electronic information carrier for operating a lock and for arming and disarming door fittings, door cylinder or wall-mounted reader. A SafeKey chip key can be used in many SafeKey systems with different access rights.		
SCS		GHQ3050027R0001	

	SafeKey evaluation module For the connection of SafeKey components and all other parts required for arming a door (magnetic contact, bolt switch contact, blocking element, internal siren). The electronic key from the SafeKey range is managed completely via the LCD control element of the control centre.		
L240/BS		GHQ3050031R0001	

	Electromechanical blocking element ¹⁾ Reduces the access to the armed area of a burglar alarm system. It is mounted in the door frame. The door leaf only needs a bore hole or the counterpiece to the locking bolt. For use with WEL and WELT. VdS Class C.		
ESPE	Replacement locking bolt	GHV9250010V0001	
EVSB	Setup assembly set for ESPE, for higher door leaf (10 mm)	GHV9250010V0002	
AMSE	Setup assembly set for ESPE, door leaf and frame, plane	GHV9250010V0003	
AMSP		GHV9250010V0004	

	Distribution housing For the installation of bus modules L840/MG4 and L240/BS.		
	Surface-mounted		
	SAD/GAP	GHQ3280015R0001	
	Flush-mounted		
	SAD/GUP	GHQ3280013R0001	
	Flush-mounting box for SAD/GUP ¹⁾		
	SAD/ED	GHQ3280014R0001	

	Plunger Indirect monitoring of locks through mechanically pressing open of the window in connection with magnetic contacts for monitoring openings. Available in 2 spring strengths.		
	150 N		
	ADB	GHV9210018V0020	
	35 N		
	ADB/1	GHV9210018V0021	

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Cover Is used mainly in the banking sector or in other institutions where an accidental alarm could be triggered in areas open to the public.				Emergency call button For manual alarm tripping. Complies with the police regulations since it features permanent trip recognition, momentary-contact function, with cover contact. Colour: white. Surface mounting.		
	NDA/W		GHQ7132443R0004		ND/W		GHQ7132443R0011
					NDU/W		GHQ7132443R0021
					EP 1)		GHQ7132443R0003
	Passive infrared detector For connection to a conventional detector group of a burglar alarm system or a KNX detector group terminal. With a volumetric lens for monitoring interior rooms. As an option, corridor monitoring up to 15 m can be set via a function setting. Dimensions: H x W x D = 110 x 66 x 42 mm; Colour: RAL 9010 pure white; applicable up to VdS Class B.			1) without picture			
	IR/KB		2CDG230027R0011		Mounting Bracket for movement detector.		
					MW		GHV9230039V0020
	Dual motion detector These new dual motion detectors are based on the proven detection principle of the EIM detector - an AND operation consisting of infrared technology and electromagnetic field. The detector makes volumetric monitoring of up to 15 m possible for 15 zones in 6 levels. The range of the infrared component and the electromagnetic field can each be set separately. Dimensions: H x W x D = 110 x 66 x 42 mm; up to VdS Class C; colour RAL 9010 pure white.				Dual Ceiling Detector Operates according to the proven detection principle of the EIM detector (infrared technology and electromagnetic field) over 360°. The detector is fitted with a walk test LED. Colour: pure white.		
	EIM/KB		2CDG230028R0011		EIM/DB		2CDG230038R0011
	Detector base, 12 V Allows fire detectors of series FC600 to be connected independent of the system to systems and devices that are not specifically adapted to this type of detector technology. Examples are burglar alarm centres, KNX security terminals, elevator controls or similar signal-processing equipment. The signal socket must be supplied either from a 12 V or a 24 V DC voltage source. A 30 V DC/1 A floating changeover contact is available for transmission of an alarm.				Gas Detector Is able to measure and evaluate the concentration of natural gas or liquefied gas in the air. The detector requires a 10-30 V DC voltage supply and has a relay output contact for connection to e.g. Zone Terminals. With LED-indicator and Piezo buzzer.		
	FC600/BREL		2CDG430051R0011		SGL		GHQ3050008R0001
	Siren in the housing Is installed in a protective aluminium housing with an additional protective lacquer coating. Protected against sabotage by mean of a cover lift-off contact. The alarm transmitters are wired to a terminal strip. With retaining screw (M4) for potential equalization at the earth connecting point. Dimensions: H x W x D = 200 x 205 x 88 mm, Colour: RAL 9002. Environment Class III according to VdS.				Water Detector A resin-encapsulated water detector with gold-plated Termpoint pins, detects water ingress, e.g., pipe fractures, ingress of groundwater and sewage, water damage caused by washing machines and dishwashers etc. To be connected to a Zone Terminal.		
	SSF/G		GHQ3050017R0001		SWM4		GHQ4030001R0004
	Combination Signalling Device Siren in an aluminium protective housing with additional protective enamel coating and strobe light mounted on top. Protected against sabotage by a case tamper contact. The alarm inputs are wired onto a terminal strip. Dimensions: H x W x D = 258 x 205 x 88 mm; Colour RAL 9002 VdS-No. G 101,147th VdS class C				Water Detector 12V with Relay Output The water detector is used to detect water ingress, e.g., pipe fractures, seepage of groundwater and sewage. Draws power from an external voltage source (10 to 23 V DC). Output: Potential free changeover contact. The detector resets itself automatically.		
	SSF/GB		GHQ3050018R0001		SWM4/RN		GHQ4030001R0012
					Aerosol for Testing Smoke Detectors Test gas for testing smoke detectors, 250 ml.		
					FPA03		GHV9020012V0021
					Electronic solid-state siren Electronic solid-state siren with intermittent tone for alarm purposes in indoor installations.		
					SSS		GHV9270001V0001

Product	Article-No.	Order-No.	Pack/Qty
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Bolt switch contact

For installation into a face plate, used to monitor the closure of doors.
 Watertight IP 67
 With LIVY 3 x 0.14 mm² 2.5 m connecting cable.

NEW

WRK/W

GHV9250022V0005

Product	Article-No.	Order-No.	Pack/Qty
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DIN A 4 labelling sheet 1)

Plastic foil

Suitable for all to be labeled Busch-Jaeger devices.
 For laser printer.
 The film is imprinted in white text for the colours meteor (-803), manhattan (-85) and anthracite (-81) by the Busch-Jaeger marking service.

NEW

translucent	1799/02	1799-0-0959	1
transparent	1799/03	1799-0-0960	1

1) 1 piece = 1 sheet.

The prices and scope of delivery of ABB i-bus® KNX devices do not include project design, commissioning, programming etc.
 Radio switch sensors (EasySens) for solo®, future®, future® linear, carat®, and Busch-axcent® and a LON interface for Busch-Jaeger KNX switch sensors can be ordered from: Thermokon Sensortechnik GmbH, Aarstr. 6, 35756 Mittenaar, Tel. +49-2772-65010, email@thermokon.de
 For custom labelling, please contact the Busch-Jaeger labelling Service.
 Our Central Sales Service will be pleased to assist you.

Price: on request.

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0213	0230-0-0227	10/100	298	1510 UC-84-500	1582-0-0330	1/10	347
0214	0230-0-0235	10/100	249	1511 U	1582-0-0332	1/10	347
0215	0230-0-0243	10	249	1515 U-12	1582-0-0333	1/10	347
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1723-288	1754-0-4345	10	128
1723-72	1754-0-4314	10	102
1723-726	1754-0-4135	10	102
1723-73	1754-0-3591	10	102
1723-74	1754-0-2437	10	102
1723-774	1754-0-4433	10	102
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1723-80	1754-0-4106	10/100	117
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1723-860	1754-0-4256	1	77	1725-885K	1754-0-4423	1	164
1723-866K	1754-0-4319	10	88	1732 KA-20	1754-0-4375	10	145
1723-884K	1754-0-4416	10	163	1732 KA-21	1754-0-4384	10	145
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1724 KA-22G	1754-0-4151	1	146	1732 KA-263	1754-0-4161	10/100	145
1724 KA-24G	1754-0-4155	1	146	1732 KA-266	1754-0-4126	10/100	145
1724 KA-260	1754-0-4120	1	146	1732 NS-212	1754-0-2213	10/100	193
1724 KA-263	1754-0-4164	1	146	1732 NS-214	1754-0-2171	10	180
1724 KA-266	1754-0-4129	1	146	1732 NS-24	1754-0-1991	10	145
1724 NSKA-212	1754-0-4098	1	194	1732 NSKA-212	1754-0-4095	10	194
1724 NSKA-214	1754-0-4063	1	181	1732 NSKA-214	1754-0-4060	10	181
1724-181K	1754-0-4243	10	163	1732 NSKA-24G	1754-0-4067	10	147
1724-182K	1754-0-4233	10	163	1732-184 NSK	1754-0-4368	10/100	165
1724-183K	1754-0-4309	10	163	1732-20	1754-0-1660	10	143
1724-184 NSK	1754-0-4367	1	165	1732-21	1754-0-1751	10	143
1724-184K	1754-0-4238	10	163	1732-22G	1754-0-3757	10	143
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1724-266	1754-0-4396	1	144	1733 KA-22G	1754-0-3872	10	145
1724-281	1754-0-4412	1	128	1733 KA-24G	1754-0-3088	10	145
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1724-285	1754-0-4348	1	128	1733 KA-263	1754-0-4163	10	145
1724-286	1754-0-4350	1	128	1733 KA-266	1754-0-4128	10	145
1724-287	1754-0-4352	1	128	1733 NS-212	1754-0-3716	10	193
1724-288	1754-0-4354	1	128	1733 NS-214	1754-0-3732	10	180
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1724-74	1754-0-2445	1	102	1733 NSKA-24G	1754-0-4069	10	147
1724-774	1754-0-4434	1	102	1733-184 NSK	1754-0-4369	10	165
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1751-72	1753-0-0048	10	300
1751-74	1753-0-4971	10	300
1751-774	1753-0-0173	10	300
1751-775	1753-0-0145	10	300
1751-777	1753-0-0113	10	300
1751-783	1753-0-0049	10	300
1751-79	1753-0-5457	10	300
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1751-81	1723-0-0253	10	301
1751-815	1723-0-0256	10	301
1751-82	1723-0-0239	10	301
1751-83	1723-0-0254	10	301
1751-84	1723-0-0240	10/100	301
1751-866	1723-0-0255	10	301
1751-87	A 1723-0-0243	10	301
1751-884	1723-0-0260	10	301
1751-885	1723-0-0259	10	301
1755 PZ-20-101	1710-0-1498	10	376
1755 PZ-21-101	1710-0-1506	10	376
1755 PZ-22G-101	1710-0-2348	10	376
1755 PZ-24-101	1710-0-1514	10	376
1755 PZ-24G-101	1710-0-1522	10	376
1755 PZ-260-101	1710-0-3303	10	376
1755 PZ-266-101	1710-0-3329	10	376
1755 SL/PZ-803-101	1710-0-3841	10	377
1755 SL/PZ-81-101	1710-0-3626	10	377
1755 SL/PZ-815-101	1710-0-3821	10	377
1755 SL/PZ-82-101	1710-0-3157	10	377

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1755 SL/PZ-83-101	1710-0-3662	10	377
1755 SL/PZ-84-101	1710-0-3175	10	377
1755 SL/PZ-866-101	1710-0-3749	10	377
1755 SL/PZ-87-101	A 1710-0-3229	10	377
1755 SL/PZ-884-101	1710-0-3925	10	377
1755 SL/PZ-885-101	1710-0-3902	10	377
1755 SLPZ-20-101	1710-0-1563	10	137
1755 SLPZ-21-101	1710-0-1571	10	137
1755 SLPZ-22G-101	1710-0-2355	10	137
1755 SLPZ-24-101	1710-0-1589	10	137
1755 SLPZ-24G-101	1710-0-1597	10	137
1755 SLPZ-260-101	1710-0-3304	10	137
1755 SLPZ-266-101	1710-0-3330	10	137
1756-10	1753-0-4873	1	350
1756-16	1753-0-4874	1	350
1756-20	1753-0-1506	10	138
1756-21	1753-0-1522	10	138
1756-22G	1710-0-2413	10	138
1756-24	1753-0-1548	10	138
1756-24G	1753-0-7503	10	138
1756-260	1710-0-3306	10	138
1756-266	1710-0-3332	10	138
1756-72	1753-0-0050	10	99
1756-74	1753-0-4922	10	99
1756-774	1753-0-0174	10	99
1756-775	1753-0-0146	10	99
1756-777	1753-0-0114	10	99
1756-783	1753-0-0051	10	99
1756-79	1753-0-5408	10	99
1758 WN-53	1724-0-2751	10	264
1758 WN-54	1724-0-4264	10	264
1758-20	1724-0-1010	10	263
1758-21	1724-0-1028	10	263
1758-212	1724-0-1002	10/100	263
1758-214	1724-0-1663	10/100	263
1758-22G	1724-0-2513	10	140
1758-24	1724-0-1036	10	263
1758-24G	1724-0-2067	10	263
1758-260	1724-0-2793	10	263
1758-266	1724-0-2798	10	263
1758-72	1753-0-0053	10	263
1758-74	1753-0-5010	10	263
1758-774	1753-0-0175	10	263
1758-775	1753-0-0147	10	263
1758-777	1753-0-0115	10	263
1758-783	1753-0-0054	10	263
1758-79	1753-0-5499	10	263
1758-803	1724-0-4292	10	264
1758-81	1724-0-4253	10	264
1758-815	1724-0-4289	10	264
1758-82	1724-0-2759	10	264
1758-83	1724-0-4263	10	264
1758-84	1724-0-2761	10/100	264
1758-866	1724-0-4272	10	264
1758-87	A 1724-0-2770	10	264
1758-884	1724-0-4307	10	264
1758-885	1724-0-4299	10	264
1759-506	1724-0-0426	10	252
1760	1799-0-0162	10	193
1761	1799-0-0154	10	193
1762-212-506	1724-0-0269	10/100	251
1762-214-506	1724-0-1705	10/100	251
1763-53	1799-0-0882	10	214
1764 NLI-12-82	1731-0-1977	10	152
1764 NLI-22G	1731-0-1858	10	134
1764 NLI-24	1731-0-1494	10	134
1764 NLI-24G	1731-0-1569	10	134
1764 NLI-803	1731-0-1975	10	108
1764 NLI-81	1731-0-1552	10	152
1764 NLI-815	1731-0-1973	10	108
1764 NLI-82	1731-0-1876	10	152
1764 NLI-83	1731-0-1948	10	152
1764 NLI-84	1731-0-1877	10/100	152
1764 NLI-866	1731-0-1953	10	82
1764 NLI-87	A 1731-0-1880	10	108
1764 NLI-884	1731-0-1985	10	152
1764 NLI-885	1731-0-1982	10	152
1766-20	1753-0-2629	10	300
1766-21	1753-0-2637	10	300
1766-22G	1710-0-2496	10	300
1766-24	1753-0-2645	10	300
1766-24G	1753-0-7743	10	300
1766-260	1710-0-3310	10/100	300
1766-266	1710-0-3336	10/100	300
1766-72	1753-0-0055	10	300
1766-74	1753-0-4989	10	300
1766-774	1753-0-0176	10	300
1766-775	1753-0-0148	10	300

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1766-777	1753-0-0116	10	300
1766-783	1753-0-0056	10	300
1766-79	1753-0-5465	10	300
1766-803	1710-0-3854	10	300
1766-81	1710-0-3613	10	300
1766-815	1710-0-3834	10	300
1766-82	1710-0-3144	10/100	300
1766-83	1710-0-3659	10/100	300
1766-84	1710-0-3162	10/100	300
1766-866	1710-0-3765	10/100	300
1766-87	A 1710-0-3216	10	300
1766-884	1710-0-3926	10	300
1766-885	1710-0-3903	10	300
1769-20	1753-0-8832	10	259
1769-21	1753-0-8840	10	259
1769-212	1753-0-8782	10	259
1769-214	1753-0-8790	10	259
1769-22G	1710-0-2678	10	259
1769-24	1753-0-8857	10	259
1769-24G	1710-0-2736	10	259
1769-260	1710-0-3317	10	259
1769-266	1710-0-3343	10	259
1770-20-101	1753-0-6075	10	393
1770-21-101	1753-0-6083	10	393
1770-212-102	1753-0-6059	10	393
1770-214-102	1753-0-6158	10	393
1770-22G-101	1710-0-2397	10	40
1770-24-101	1753-0-6091	10	393
1770-24G-101	1753-0-7446	10	393
1770-72	1753-0-0057	10	394
1770-74	1753-0-4906	10	394
1770-774	1753-0-0178	10	394
1770-775	1753-0-0149	10	394
1770-777	1753-0-0117	10	394
1770-783	1753-0-0058	10	394
1770-79	1753-0-5382	10	394
1771-20-101	1753-0-6224	10	394
1771-21-101	1753-0-6232	10	394
1771-212-102	1753-0-6208	10	394
1771-214-102	1753-0-6307	10	394
1771-22G-101	1710-0-2405	10	394
1771-24-101	1753-0-6240	10	394
1771-24G-101	1753-0-7479	10	394
1771-72	1753-0-0059	10	394
1771-74	1753-0-4914	10	394
1771-774	1753-0-0179	10	394
1771-775	1753-0-0150	10	394
1771-777	1753-0-0118	10	394
1771-783	1753-0-0061	10	394
1771-79	1753-0-5390	10	394
1772-20-101	1710-0-3479	10	41
1772-21-101	1710-0-3480	10	41
1772-22G-101	1710-0-3473	10	41
1772-24-101	1710-0-3481	10	41
1772-260-101	1710-0-3477	10	41
1772-266-101	1710-0-3478	10	41
1773-20	1724-0-2158	10	392
1773-21	1724-0-2166	10	392
1773-212	1753-0-1886	10	392
1773-214	1724-0-2117	10	392
1773-22G	1724-0-2521	10	392
1773-24	1724-0-2174	10	392
1773-24G	1724-0-2182	10	392
1773-260	1724-0-2790	10	392
1773-266	1724-0-2795	10	392
1773-72	1724-0-4267	10	392
1773-74	1724-0-2240	10	392
1773-774	1724-0-4306	10	392
1773-775	1724-0-4304	10	392
1773-777	1724-0-4286	10	392
1773-783	1724-0-4268	10	392
1773-79	1724-0-2273	10	392
1773-81	1753-0-9906	10	393
1773-82	1753-0-9907	10	393
1773-83	1753-0-0030	10	393
1773-84	1753-0-9908	10	393
1773-866	1753-0-0103	10	393
1773-884	1753-0-0132	10	393
1773-885	1753-0-0135	10	393
1773/10-20	1724-0-2596	10	393
1773/10-212	1724-0-2547	10	393
1773/10-214	1724-0-2554	10/100	393
1773/10-22G	1724-0-2695	10	393
1773/10-24	1724-0-2612	10	393
1773/10-260	1724-0-2809	10	393
1773/10-266	1724-0-2810	10	393
1773/10-81	1753-0-9911	10	393
1773/10-82	1753-0-9912	10	393

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1773/10-83	1753-0-0031	10	393
1773/10-84	1753-0-9914	10	393
1773/10-866	1753-0-0104	10	393
1773/10-884	1753-0-9971	10	393
1773/10-885	1753-0-0134	10	393
1775 S/W-20-101	A 1710-0-3127	10	383
1775 S/W-21-101	A 1710-0-3128	10	383
1775 S/W-212-101	A 1710-0-3122	10	383
1775 S/W-214-101	1710-0-3123	10	383
1775 S/W-22G-101	A 1710-0-3129	10	383
1775 S/W-24-101	A 1710-0-3130	10	383
1775 S/W-24G-101	A 1710-0-3131	10	383
1775 S/W-260-101	A 1710-0-3308	10	383
1775 S/W-266-101	A 1710-0-3334	10	383
1775 S/W-72-101	A 1710-0-3738	10	383
1775 S/W-74-101	A 1710-0-3137	10	383
1775 S/W-774-101	A 1710-0-3920	10	383
1775 S/W-775-101	A 1710-0-3915	10	383
1775 S/W-777-101	A 1710-0-3813	10	383
1775 S/W-783-101	A 1710-0-3739	10	383
1775 S/W-79-101	A 1710-0-3140	10	383
1775 S/W-803-101	1710-0-3842	10	383
1775 S/W-81-101	1710-0-3625	10	383
1775 S/W-815-101	1710-0-3822	10	383
1775 S/W-82-101	1710-0-3156	10	383
1775 S/W-83-101	A 1710-0-3663	10	383
1775 S/W-84-101	1710-0-3174	10	383
1775 S/W-866-101	1710-0-3750	10	383
1775 S/W-87-101	1710-0-3228	10	383
1775 S/W-884-101	A 1710-0-3927	10	383
1775 S/W-885-101	A 1710-0-3904	10	383
1780-803	1710-0-3846	10	115
1780-81	1710-0-3620	10	76
1780-815	1710-0-3826	10	115
1780-82	1710-0-3151	10	115
1780-84	1710-0-3169	10	126
1780-866	1710-0-3754	10	86
1780-87	A 1710-0-3223	10	115
1781-20	1751-0-1666	10	134
1781-21	1751-0-1757	10	134
1781-22G	1751-0-2540	10	134
1781-24	1751-0-1898	10	134
1781-24G	1751-0-2292	10	134
1781-260	1751-0-2822	10	134
1781-266	1751-0-2833	10	134
1781-72	1753-0-0062	10	95
1781-74	1753-0-4849	10	95
1781-774	1753-0-0180	10	95
1781-775	1753-0-0151	10	95
1781-777	1753-0-0119	10	95
1781-783	1753-0-0063	10	95
1781-79	1753-0-5325	10	95
1783-20	1751-0-2865	10	31
1783-21	1751-0-2866	10	31
1783-22G	1751-0-2867	10	31
1783-24	1751-0-2425	10	31
1783-24G	1751-0-2433	10	31
1783-260	1751-0-2877	10	31
1783-266	1751-0-2878	10	31
1785 JA-20	1751-0-1823	10	375
1785 JA-21	1751-0-1831	10	375
1785 JA-22G	1751-0-2581	10	375
1785 JA-24	1751-0-1922	10	375
1785 JA-24G	1751-0-2128	10	375
1785 JA-260	1751-0-2831	10/100	375
1785 JA-266	1751-0-2842	10/100	375
1785 JA-803	1751-0-3020	10	376
1785 JA-81	1751-0-2934	10	376
1785 JA-815	1751-0-3011	10	376
1785 JA-82	1751-0-2748	10	376
1785 JA-83	1751-0-2944	10/100	376
1785 JA-84	1751-0-2756	10/100	376
1785 JA-866	1751-0-2964	10	376
1785 JA-87	A 1751-0-2780	10	376
1785 JA-884	1751-0-3022	10	376
1785 JA-885	1751-0-3036	10	376
1785-20	1751-0-1682	10	135
1785-20-101	1751-0-2889	10	31
1785-21	1751-0-1773	10/100	135
1785-21-101	1751-0-2706	10	31
1785-22G	1751-0-2565	10	135
1785-22G-101	1751-0-2890	10	31
1785-24	1751-0-1914	10	135
1785-24-101	1751-0-2891	10	31
1785-24G	1751-0-2110	10	135
1785-260	1751-0-2827	10/100	135
1785-260-101	1751-0-2893	10	31
1785-266	1751-0-2838	10/100	135

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1785-266-101	1751-0-2894	10	31
1785-72	1753-0-0064	10/100	94
1785-74	1753-0-4856	10/100	94
1785-774	1753-0-0181	10/100	94
1785-775	1753-0-0152	10/100	94
1785-777	1753-0-0105	10	94
1785-783	1753-0-0065	10/100	94
1785-79	1753-0-5333	10/100	94
1785-803	1751-0-3018	10/100	108
1785-81	1751-0-2930	10	153
1785-815	1751-0-3009	10	108
1785-82	1751-0-2744	10/100	153
1785-83	1751-0-2942	10/100	153
1785-84	1751-0-2752	10/100	153
1785-866	1751-0-2962	10/100	82
1785-87	A 1751-0-2776	10/100	108
1785-884	1751-0-3024	10/100	153
1785-885	1751-0-3038	10/100	153
1785/11-82	1751-0-2991	10	224
1785/11-83	1751-0-2995	10	224
1785/11-84	1751-0-2992	10	224
1785/11-866	1751-0-2996	10	224
1785/11-884	1751-0-3023	10	224
1785/11-885	1751-0-3037	10	224
1786 IO-20	1751-0-2899	10	31
1786 IO-21	1751-0-2900	10	31
1786 IO-22G	1751-0-2722	10	31
1786 IO-24	1751-0-2723	10	31
1786 IO-260	1751-0-2901	10	31
1786 IO-266	1751-0-2902	10	31
1786-20	1751-0-1617	10/100	134
1786-21	1751-0-1708	10/100	134
1786-22G	1751-0-2482	10/100	134
1786-24	1751-0-1849	10/100	134
1786-24G	1751-0-2094	10/100	134
1786-260	1751-0-2821	10/100	134
1786-266	1751-0-2832	10/100	134
1786-72	1753-0-0066	10/100	94
1786-74	1753-0-4781	10/100	94
1786-774	1753-0-0182	10/100	94
1786-775	1753-0-0153	10/100	94
1786-777	1753-0-0120	10	94
1786-783	1753-0-0067	10/100	94
1786-79	1753-0-5267	10	94
1786-803	1751-0-3012	10/100	108
1786-81	1751-0-2926	10/100	152
1786-815	1751-0-3003	10	108
1786-82	1751-0-2741	10/100	152
1786-83	1751-0-2943	10/100	152
1786-84	1751-0-2749	10/100	152
1786-866	1751-0-2956	10/100	82
1786-87	A 1751-0-2773	10/100	108
1786-884	1751-0-3027	10/100	152
1786-885	1751-0-3041	10/100	152
1786/11-82	1751-0-2997	10	224
1786/11-83	1751-0-3001	10	224
1786/11-84	1751-0-2998	10	224
1786/11-866	1751-0-3002	10	224
1786/11-884	1751-0-3026	10	224
1786/11-885	1751-0-3040	10	224
1787-20	1751-0-2045	10	134
1787-21	1751-0-2052	10	134
1787-22G	1751-0-2508	10	134
1787-24	1751-0-2060	10	134
1787-24G	1751-0-2177	10	134
1787-260	1751-0-2824	10/100	134
1787-266	1751-0-2835	10/100	134
1788 WH-20	1751-0-2715	10	31
1788 WH-21	1751-0-2716	10	31
1788 WH-22G	1751-0-2717	10	31
1788 WH-24	1751-0-2718	10	31
1788 WH-260	1751-0-2896	10	31
1788 WH-266	1751-0-2897	10	31
1788-20	1751-0-1674	10	135
1788-21	1751-0-1765	10	135
1788-22G	1751-0-2557	10	135
1788-24	1751-0-1906	10	135
1788-24G	1751-0-2326	10	135
1788-260	1751-0-2823	10	135
1788-266	1751-0-2834	10	135
1788-803	1751-0-3017	10	108
1788-81	1751-0-2927	10	152
1788-815	1751-0-3008	10	108
1788-82	1751-0-2742	10	152
1788-83	1751-0-2954	10	152
1788-84	1751-0-2750	10/100	152
1788-866	1751-0-2961	10	82
1788-87	A 1751-0-2774	10	108

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1788-884	1751-0-3028	10	152
1788-885	1751-0-3042	10	152
1789 H-20	1751-0-1690	10	135
1789 H-21	1751-0-1781	10	135
1789 H-22G	1751-0-2573	10	135
1789 H-24	1751-0-1930	10	135
1789 H-24G	1751-0-2375	10	135
1789 H-260	1751-0-2826	10	135
1789 H-266	1751-0-2837	10	135
1789 H-72-101	1753-0-0068	10	95
1789 H-74-101	1753-0-6588	10	95
1789 H-774-101	1753-0-0184	10	95
1789 H-775-101	1753-0-0154	10	95
1789 H-777-101	1753-0-0121	10	95
1789 H-783-101	1753-0-0069	10	95
1789 H-79-101	1753-0-6612	10	95
1789 H-803	1751-0-3019	10	109
1789 H-81	1751-0-2929	10	153
1789 H-815	1751-0-3010	10	109
1789 H-82	1751-0-2743	10	153
1789 H-83	1751-0-2955	10	153
1789 H-84	1751-0-2751	10	153
1789 H-866	1751-0-2963	10	82
1789 H-87	A 1751-0-2775	10	109
1789 H-884	1751-0-3029	10	153
1789 H-885	1751-0-3043	10	153
1789 KI-20	1751-0-1641	10	134
1789 KI-21	1751-0-1732	10	134
1789 KI-22G	1751-0-2524	10	134
1789 KI-24	1751-0-1872	10	134
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2512-214	1725-0-0936	10/100	180	2542 DR/01-84	1710-0-3646	10	154
2512-214K-102	1725-0-1495	10/100	181	2542 DR/01-866	1710-0-3758	10	83
2512-217	1725-0-1082	10	180	2542 DR/01-884	1710-0-3890	10	154
2512-217K-102	1725-0-1500	10	181	2542 DR/01-885	1710-0-3913	10	154
2513-212-506	1725-0-0639	10/100	193	2542 DR/02-20	1710-0-3424	10	136
2513-212K-102	1725-0-1491	10/100	194	2542 DR/02-21	1710-0-3425	10	136
2513-214	1725-0-0944	10/100	180	2542 DR/02-212	1710-0-3419	10	184
2513-214K-102	1725-0-1496	10/100	181	2542 DR/02-214	1710-0-3420	10	172
2514-212-500	1725-0-0647	10/100	193	2542 DR/02-22G	1710-0-3426	10	136
2514-212K-102	1725-0-1492	10	194	2542 DR/02-24	1710-0-3427	10	136
2514-214	1725-0-0951	10/100	180	2542 DR/02-24G	1710-0-3428	10	136
2514-214K-102	1725-0-1497	10	181	2542 DR/02-260	1710-0-3465	10	136
2515-212-500	1725-0-0654	10	193	2542 DR/02-266	1710-0-3467	10	136
2515-212K-102	1725-0-1493	10	194	2542 DR/02-81	1710-0-3649	10	154
2515-214	1725-0-0969	10	180	2542 DR/02-82	1710-0-3650	10	154
2515-214K-102	1725-0-1498	10	181	2542 DR/02-83	1710-0-3672	10	154
2518-212	1719-0-0111	10/100	193	2542 DR/02-84	1710-0-3651	10	154
2518-214	1719-0-0061	10	181	2542 DR/02-866	1710-0-3759	10	83
2519-212	1726-0-0066	10	257	2542 DR/02-884	1710-0-3891	10	154
2519-214	1726-0-0025	10	257	2542 DR/02-885	1710-0-3914	10	154
2520 KI-212	1731-0-0280	10/100	183	2542 JDR-212	1753-0-0615	10	375

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2544-212	1434-0-0455	10	182	2601/5 WDI	1084-0-0839	10	217
2544-214	1434-0-0570	10	170	2601/5/20EW-53-503	1684-0-0324	5/50	211
2545-212	1434-0-0430	10	182	2601/5/20EW-54-503	1684-0-0328	5/50	211
2545-214	1434-0-0562	10	170	2601/6 SKW-53	1085-0-1607	10/100	208
2546-212	1434-0-0448	10	182	2601/6 SKW-54	1085-0-1622	10	208
2546-214	1434-0-0554	10	170	2601/6 SKWD	1084-0-0383	10/100	216
2548-020 D-212	1724-0-2698	10	265	2601/6 SKWDI	1084-0-0854	10	217
2548-020 D-214	1724-0-2713	10	265	2601/6 SKWNH-53	1085-0-1609	10/100	208
2548-020 E-212	1724-0-2700	10	265	2601/6 SKWNH-54	1085-0-1631	10	208
2548-020 E-214	1724-0-2715	10	265	2601/6 W-53	1085-0-1603	10/100	208
2548-020 F-212	1724-0-2701	10	265	2601/6 W-54	1085-0-1628	10/100	208
2548-020 F-214	1724-0-2716	10	265	2601/6 WD	1084-0-0334	10	216
2548-021 G-212	1724-0-2699	10	265	2601/6 WDGL	1084-0-0714	10	216
2548-021 G-214	1724-0-2714	10	265	2601/6 WDI	1084-0-0797	10	217
2548-022 A-212	1724-0-2702	10	265	2601/6 WGL-53	1085-0-1613	10	208
2548-022 A-214	1724-0-2717	10	265	2601/6 WGL-54	1085-0-1626	10	208
2548-022 AR-212	1724-0-2703	10	265	2601/6 WN-53	1085-0-1611	10/100	208
2548-022 AR-214	1724-0-2718	10	265	2601/6 WN-54	1085-0-1624	10/100	208
2548-022 B-212	1724-0-2709	10	265	2601/6/20 EBW-53	1684-0-0330	5	212
2548-022 B-214	1724-0-2724	10	265	2601/6/20 EBW-54	1684-0-0331	5	212
2548-046 A-212	1724-0-2697	10	265	2601/6/20 EW-53	1684-0-0316	5/50	211
2548-046 A-214	1724-0-2712	10	265	2601/6/20 EW-54	1684-0-0327	5/50	211
2548-071 D-212	1724-0-2710	10	265	2601/7 W-53	1085-0-1604	10/100	208
2548-071 D-214	1724-0-2725	10	265	2601/7 W-54	1085-0-1620	10	208
2548-071 E-212	1724-0-2711	10	265	2601/7 WD	1084-0-0359	10	216
2548-071 E-214	1724-0-2726	10	265	2601/7 WDI	1084-0-0805	10	217
2548-212-50 A	1753-0-1019	10	266	2609 WS	1716-0-0042	10	218
2548-212-52 A	1753-0-1027	10	266	2610/6 UJ-212-500	1315-0-0415	10/100	187
2548-212-52 P	1753-0-2116	10	266	2610/6 UJ-214	1315-0-0027	10	179
2548-212-53 A	1753-0-1035	10	266	2610/6 W-53	1383-0-0141	10	210
2548-212-53 B	1753-0-2124	10	266	2610/6 W-54	1383-0-0143	10	210
2548-214-50 A	1753-0-2389	10	266	2621 W-53	1484-0-0370	10/100	208
2548-214-52 A	1753-0-2348	10	266	2621 W-53-206	1484-0-0054	10	209
2548-214-52 P	1753-0-2876	10	266	2621 W-54	1484-0-0380	10	208
2548-214-53 A	1753-0-2355	10	266	2621 W-54-206	1484-0-0377	10	209
2548-214-53 B	1753-0-2884	10	266	2621 WD	1483-0-0106	10	216
2548-642 B-212	1724-0-2706	10	265	2621 WDGL	1483-0-0155	10	216
2548-642 B-214	1724-0-2721	10	265	2621 WDI	1483-0-0171	10	217
2548-642 BD-212	1724-0-2707	10	266	2621 WGL-53	1484-0-0371	10/100	209
2548-642 BD-214	1724-0-2722	10	266	2621 WGL-54	1484-0-0381	10	209
2548-642 C-212	1724-0-2704	10	266	2621 WN-53-201	1484-0-0373	10	209
2548-642 C-214	1724-0-2719	10	266	2621 WN-53-205-101	1484-0-0374	10	209
2548-642 D-212	1724-0-2705	10	265	2621 WN-54-201	1484-0-0378	10	209
2548-642 D-214	1724-0-2720	10	265	2621 WN-54-205-101	1484-0-0379	10	209
2548-642 E-212	1724-0-2708	10	266	2621/4 W-53	1442-0-0469	10	209
2548-642 E-214	1724-0-2723	10	266	2621/4 W-54	1442-0-0474	10	209
2549-212	1724-0-0616	10	259	2622 KI-101	1714-0-0278	100	209
2549-214	1724-0-0962	10	259	2622 LI-101	1714-0-0260	100	209
2553-212	1724-0-0624	10	259	2622 N-101	1714-0-0252	100	209
2553-214	1724-0-1127	10	259	2622 TR-101	1714-0-0286	100	209
2557 PZ-212-101	1710-0-1332	10	375	2622-12-101	1714-0-0294	100	209
2557 PZ-214-101	1710-0-1415	10	375	2647 WS	1799-0-0709	10	215
2557 SLPZ-212-101	1710-0-1340	10	184	2655 WS	1798-0-0065	10	215
2557 SLPZ-214-101	1710-0-1456	10	172	2655/11 WS	1798-0-0073	10	215
2561-02-20	1753-0-4047	10	257	2655/12 WS	1798-0-0081	10	215
2561-02-21	1753-0-4054	10	257	2655/13 WS	1798-0-0099	10	215
2561-02-212	1753-0-3957	10/100	257	2655/14 WS	1798-0-0107	10	215
2561-02-214	1753-0-3965	10	257	2655/15 WS	1798-0-0115	10	215
2561-02-22G	1710-0-2512	10	257	2661 U	1511-0-0096	10	53
2561-02-24	1753-0-4062	10	257	2661 W-53	1582-0-0305	10	210
2561-02-24G	1753-0-7800	10	257	2661 W-54	1582-0-0328	10	210
2561-02-260	1710-0-3315	10	257	2664-11-101	1565-0-0191	10	200
2561-02-266	1710-0-3341	10	257	2664-12-101	1565-0-0209	10	200
2561-20	1753-0-3916	10	257	2664-13-101	1565-0-0217	10	200
2561-21	1753-0-3924	10	257	2710 U	1101-0-0918	1/10	52
2561-212	1753-0-3825	10/100	257	2710/1 U	1101-0-0919	1/10	52
2561-214	1753-0-3833	10/100	257	2711 UCRL-212	1164-0-0136	10/100	190
2561-22G	1710-0-2504	10	257	2711 UCRL-214	1164-0-0144	10	176
2561-24	1753-0-3932	10	257	2712 SLW-53	1101-0-0916	10	209
2561-24G	1753-0-7776	10	257	2712 SLW-54	1101-0-0924	10	209
2561-260	1710-0-3314	10	257	2712 U	1101-0-0534	10	375
2561-266	1710-0-3340	10	257	2712 USL-101	1101-0-0872	10	375
2562-212	1731-0-1919	1	350	2713 U	1101-0-0542	10	375
2562-214	1731-0-1920	1	350	2713 USL-101	1101-0-0880	10	375
2601/2 SKWD	1084-0-0391	10	216	2722 U	1101-0-0559	10	375
2601/2 SKWNH-53	1085-0-1610	10	208	2722 USL-101	1101-0-0898	10	375
2601/2 SKWNH-54	1085-0-1623	10	208	2723 U	1101-0-0567	10	375
2601/2 W-53	1085-0-1605	10/100	208	2723 USL-101	1101-0-0906	10	375
2601/2 W-54	1085-0-1627	10	208	2733 SLW-53	1101-0-0917	10	210
2601/2 WD	1084-0-0375	10	216	2733 SLW-54	1101-0-0925	10	210
2601/2 WDD	1084-0-0409	10	216	2733 USL-101	1101-0-0914	10	52
2601/2 WDH	1084-0-0425	10	216	2863-11-53	1563-0-0148	10	210
2601/2 WDI	1084-0-0821	10	217	2863-12-53	1563-0-0149	10	210
2601/4 W-53	1085-0-1612	10	209	2863-13-53	1563-0-0150	10	210
2601/4 W-54	1085-0-1625	10	209	3015 EUC-212	2122-0-0018	10/100	192
2601/5 W-53	1085-0-1606	10/100	208	3015 EUC-214	2125-0-0052	10	179
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3016 EWN-53	2124-0-0024	10	213
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3016-02 EUI-212	2123-0-0024	10	192
3030	1741-0-0067	4	225
3031	1741-0-0068	4	225
3064	2561-0-0017	10	272
3072	1745-0-0017	10	192
3095-1	1747-0-0062	100	272
3099-0-0306	3099-0-0306		316
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3118 EUCKS-212	3116-0-0597	1	353
3118 EUCKS-214	3116-0-0605	1	353
3118 EUGKS-44	3116-0-0647	1	353
3118 WSKS	3116-0-0639	1	353
3120 EUCKS-212	3116-0-0613	1	353
3120 EUCKS-214	3116-0-0621	1	353
3120 EUCKS-82	3116-0-0655	1	353
3120 EUCKS-84	3116-0-0656	1	353
3120 EUCKS-884	3116-0-0657	1	159
3150 UC-212	3117-0-0001	1	353
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3855	6599-0-0518	10	49
3856	6599-0-2274	10	49
3857	6599-0-2282	10	49
3858	6599-0-2316	10	49
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6020-24-500	6020-0-1281	1	412
6020-24G-500	6020-0-1299	1	412
6021-20	6020-0-0754	1	412
6021-21	6020-0-0762	1	412
6021-24-500	6020-0-1315	1	412
6021-24G-500	6020-0-1307	1	412
6045 E-101-500	6020-0-1240	1	415
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6056 EB-127-500	6020-0-1352	1	41
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6066-20-102	6020-0-1316	10	414
6066-21-102	6020-0-1317	1/10	414
6066-22G-102	6020-0-1318	1/10	414
6066-24-102-500	6020-0-1371	1	414
6066-24G-102-500	6020-0-1372	1	414
6066-260-102	6020-0-1365	1/10	414
6066-266-102	6020-0-1366	1/10	414
6066-72-101	6020-0-1385	1	414
6066-74-101-500	6020-0-1190	1	414
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6066-775-101	6020-0-1401	1	414
6066-777-101	6020-0-1391	1	414
6066-783-101	6020-0-1386	1	414
6066-79-101	6020-0-0606	1	414
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6066-81	6020-0-1379	1/10	414
6066-815	6020-0-1393	1/10	414
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6066-866	6020-0-1389	1/10	414
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6067-20-102	6020-0-1324	10	415
6067-21-102	6020-0-1325	10	415
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6067-24G-102-500	6020-0-1374	1	415
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6067-72-101	6020-0-1387	1	415
6067-74-101-500	6020-0-1224	1	415
6067-774-101	6020-0-1407	1	415
6067-775-101	6020-0-1403	1	415
6067-777-101	6020-0-1392	1	415
6067-783-101	6020-0-1388	1	415
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6067-866	6020-0-1390	1/10	415
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6067-884	6020-0-1398	1/10	415
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6108/03-500	6134-0-0271	1	438
6108/04-500	6133-0-0211	1/10	438
6108/05-500	6133-0-0213	1	438
6120/12-101-500	6120-0-0075	1/10	437
6120/13-500	6120-0-0072	1/10	430
6122/01-803-500	6132-0-0279	1	435
6122/01-81-500	6132-0-0272	1	435
6122/01-815-500	6132-0-0280	1	435
6122/01-82-500	6132-0-0273	1	435
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6122/02-81-500	6132-0-0283	1	436
6122/02-815-500	6132-0-0291	1	436
6122/02-82-500	6132-0-0284	1	436
6122/02-83-500	6132-0-0285	1	436
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6122/02-87-500	A 6132-0-0287	1	436
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6122/02-885-500	6132-0-0293	1	436
6124/01-803-500	6134-0-0280	1	436
6124/01-81-500	6134-0-0295	1	436
6124/01-815-500	6134-0-0281	1	436
6124/01-82-500	6134-0-0274	1	436
6124/01-83-500	6134-0-0275	1	436
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6124/01-884-500	6134-0-0282	1	436
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6125/01-803-500	6115-0-0212	1	432
6125/01-81-500	6115-0-0205	1	432
6125/01-815-500	6115-0-0213	1	432
6125/01-82-500	6115-0-0206	1	432
6125/01-83-500	6115-0-0207	1	432
6125/01-84-500	6115-0-0183	1	432
6125/01-866-500	6115-0-0211	1	432
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6125/02-81-500	6115-0-0216	1	434
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6125/02-82-500	6115-0-0217	1	434
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6126/01-81-500	6116-0-0195	1	433
6126/01-815-500	6116-0-0203	1	433
6126/01-82-500	6116-0-0196	1	433
6126/01-83-500	6116-0-0197	1	433
6126/01-84-500	6116-0-0174	1	433
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6126/02-803-500	6116-0-0214	1	434
6126/02-81-500	6116-0-0206	1	434
6126/02-815-500	6116-0-0215	1	434
6126/02-82-500	6116-0-0207	1	434
6126/02-83-500	6116-0-0208	1	434
6126/02-84-500	6116-0-0209	1	434
6126/02-866-500	6116-0-0213	1	434
6126/02-87-500	A 6116-0-0211	1	434
6126/02-884-500	6116-0-0216	1	434

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6127/01-803-500	6117-0-0228	1	433	6320/50-260-500	6320-0-0040	1	432
6127/01-81-500	6117-0-0221	1	433	6320/50-79-500	6320-0-0036	1	432
6127/01-815-500	6117-0-0229	1	433	6320/50-83-500	6320-0-0038	1	432
6127/01-82-500	6117-0-0222	1	433	6320/58-20-500	6320-0-0042	1	432
6127/01-83-500	6117-0-0223	1	433	6320/58-24G-500	6320-0-0044	1	432
6127/01-84-500	6117-0-0200	1	433	6320/58-260-500	6320-0-0050	1	432
6127/01-866-500	6117-0-0227	1	433	6320/58-79-500	6320-0-0046	1	432
6127/01-87-500	A 6117-0-0225	1	433	6320/58-83-500	6320-0-0048	1	432
6127/01-884-500	6117-0-0230	1	433	6340-24G-101-500	6310-0-0109	1	428
6127/01-885-500	6117-0-0231	1	433	6340-810-101-500	6310-0-0107	1	428
6127/02-803-500	6117-0-0240	1	435	6340-825-101-500	6310-0-0108	1	428
6127/02-81-500	6117-0-0232	1	435	6340-866-101-500	6310-0-0106	1	428
6127/02-815-500	6117-0-0241	1	435	6341-24G-101-500	6310-0-0117	1	428
6127/02-82-500	6117-0-0233	1	435	6341-810-101-500	6310-0-0115	1	428
6127/02-83-500	6117-0-0234	1	435	6341-825-101-500	6310-0-0116	1	428
6127/02-84-500	6117-0-0235	1	435	6341-866-101-500	6310-0-0114	1	428
6127/02-866-500	6117-0-0239	1	435	6342-24G-101-500	6310-0-0125	1	428
6127/02-87-500	A 6117-0-0237	1	435	6342-810-101-500	6310-0-0123	1	428
6127/02-884-500	6117-0-0242	1	435	6342-825-101-500	6310-0-0124	1	428
6127/02-885-500	6117-0-0243	1	435	6342-866-101-500	6310-0-0122	1	428
6128/01-803-500	6134-0-0291	1	437	6344-24G-101-500	6310-0-0133	1	428
6128/01-81-500	6134-0-0284	1	437	6344-810-101-500	6310-0-0131	1	428
6128/01-815-500	6134-0-0292	1	437	6344-825-101-500	6310-0-0132	1	428
6128/01-82-500	6134-0-0285	1	437	6344-866-101-500	6310-0-0130	1	428
6128/01-83-500	6134-0-0286	1	437	6345-24G-101-500	6310-0-0081	1	428
6128/01-84-500	6134-0-0261	1/10	437	6345-810-101-500	6310-0-0079	1	428
6128/01-866-500	6134-0-0290	1	437	6345-825-101-500	6310-0-0080	1	428
6128/01-87-500	A 6134-0-0288	1	437	6345-866-101-500	6310-0-0078	1	428
6128/01-884-500	6134-0-0293	1	437	6346/10-101-500	6310-0-0135	1	429
6128/01-885-500	6134-0-0294	1	437	6346/11-101-500	6310-0-0137	1	429
6129/01-803-500	6135-0-0163	1	437	6346/12-101-500	6310-0-0139	1	429
6129/01-81-500	6135-0-0156	1	437	6348-24G-101-500	6310-0-0147	1	428
6129/01-815-500	6135-0-0164	1	437	6348-810-101-500	6310-0-0145	1	428
6129/01-82-500	6135-0-0157	1	437	6348-825-101-500	6310-0-0146	1	428
6129/01-83-500	6135-0-0158	1	437	6348-860-101-500	6310-0-0144	1	428
6129/01-84-500	6135-0-0146	1	437	6349-24G-101-500	6310-0-0155	1	429
6129/01-866-500	6135-0-0162	1	437	6349-810-101-500	6310-0-0153	1	429
6129/01-87-500	A 6135-0-0160	1	437	6349-825-101-500	6310-0-0154	1	429
6129/01-884-500	6135-0-0165	1	437	6349-860-101-500	6310-0-0152	1	429
6129/01-885-500	6135-0-0166	1	437	6350-825-101-500	6310-0-0157	1	429
6131/10-183-500	6132-0-0297	1	439	6351-825-101-500	6310-0-0092	1	429
6131/10-24-500	6132-0-0295	1	439	6352-24G-101-500	6310-0-0165	1	429
6131/11-183-500	6132-0-0301	1	439	6352-810-101-500	6310-0-0163	1	429
6131/11-24-500	6132-0-0299	1/10	439	6352-825-101-500	6310-0-0164	1	429
6136/10-500	6136-0-0139	1	441	6352-860-101-500	6310-0-0162	1	429
6136/100 C-102-500	6136-0-0185	1	441	6353/20-860-500	6310-0-0093	1/10	430
6136/100 CB-102	6136-0-0186	1	441	6353/30-860-500	6310-0-0094	1/10	430
6136/11-500	6136-0-0141	1	441	6353/40-860-500	6310-0-0095	1/10	431
6136/13-500	6136-0-0155	1	441	6353/50-860-500	6310-0-0096	1/10	431
6136/UP	6136-0-0124	1	441	6354 U-500	6310-0-0097	1	430
6138/11-83-500	6138-0-0005	1	439	6355 U-500	6310-0-0098	1	430
6138/11-84-500	6138-0-0003	1/10	439	6356 U-500	6310-0-0099	1	430
6145/10	6140-0-0027	1	443	6401 U-102-500	6401-0-0049	1/10	413
6146/10	6146-0-0022	1	443	6402 U-500	6401-0-0051	1/10	413
6149/21-500	6133-0-0201	1	438	6404 U	6401-0-0055	1	411
6164 U-500	6151-0-0168	1/10	439	6411 U-101	6410-0-0377	1/10	414
6179 AGM-204-500	6132-0-0160	1/10	439	6411 U/S-500-101	6410-0-0380	1/10	414
6179 AGM-208-500	6132-0-0162	1	439	6413-500	6410-0-0349	10	389
6183	6183-0-0016	100	444	6414-101	6410-0-0389	1/10	380
6186 UP-500	6186-0-0021	1	440	6414-500	6410-0-0348	10	389
6190/41	6190-0-0031	1	443	6415	6410-0-0302	10	382
6190/43	6190-0-0033	1	443	6415/24	6410-0-0363	1/10	383
6190/44	6190-0-0034	1	443	6418 U-500	6410-0-0376	1/10	389
6190/45	6190-0-0035	1	444	6419 U	6410-0-0390	1/10	388
6190/49-101	6190-0-0040	1	444	6420 EB-500	6420-0-0020	1	415
6197/12-500	6197-0-0025	1	441	6430-20-101	6430-0-0256	1	40
6197/13-500	6197-0-0026	1	442	6430-20-102	6430-0-0319	1/10	380
6197/14-500	6197-0-0027	1	442	6430-21-101	6430-0-0257	1	40
6197/15-500	6197-0-0028	1	442	6430-21-102	6430-0-0320	1/10	380
6197/52-500	6197-0-0029	1	442	6430-212-102	6430-0-0313	1/10	380
6197/53-500	6197-0-0030	1	443	6430-214-102	6430-0-0314	1/10	380
6320/10-20-500	6320-0-0002	1	431	6430-22G-101	6430-0-0258	1	40
6320/10-24G-500	6320-0-0004	1	431	6430-22G-102	6430-0-0321	1/10	380
6320/10-260-500	6320-0-0010	1	431	6430-24-101	6430-0-0259	1	40
6320/10-79-500	6320-0-0006	1	431	6430-24-102	6430-0-0322	1/10	380
6320/10-83-500	6320-0-0008	1	431	6430-24G-102	6430-0-0323	1/10	380
6320/30-20-500	6320-0-0012	1	431	6430-260-101	6430-0-0279	1	40
6320/30-24G-500	6320-0-0014	1	431	6430-260-102	6430-0-0317	1/10	380
6320/30-260-500	6320-0-0020	1	431	6430-266-101	6430-0-0280	1	40
6320/30-79-500	6320-0-0016	1	431	6430-266-102	6430-0-0318	1/10	380
6320/30-83-500	6320-0-0018	1	431	6430-72	6430-0-0337	1	381
6320/38-20-500	6320-0-0022	1	431	6430-74	6430-0-0144	1	381
6320/38-24G-500	6320-0-0024	1	431	6430-774	6430-0-0379	1	381
6320/38-260-500	6320-0-0030	1	431	6430-775	6430-0-0381	1	381
6320/38-79-500	6320-0-0026	1	431	6430-777	6430-0-0346	1	381
6320/38-83-500	6320-0-0028	1	431	6430-783	6430-0-0338	1	381
6320/50-20-500	6320-0-0032	1	432	6430-79	6430-0-0177	1	381

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6430-815-102	6430-0-0348	1/10	381
6430-82-102	6430-0-0327	1/10	381
6430-83-102	6430-0-0328	1/10	381
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6430-885-102	6430-0-0386	1/10	381
6435-20	6430-0-0291	10	391
6435-21	6430-0-0292	10	391
6435-212	6430-0-0285	10/100	391
6435-214	6430-0-0286	10/100	391
6435-22G	6430-0-0293	10	391
6435-24	6430-0-0294	10/100	391
6435-24G	6430-0-0295	10	391
6435-260	6430-0-0289	10	391
6435-266	6430-0-0290	10	391
6435-72	6430-0-0341	10	391
6435-74	6430-0-0300	10	391
6435-774	6430-0-0380	10	391
6435-775	6430-0-0382	10	391
6435-777	6430-0-0347	10/10	391
6435-783	6430-0-0342	10	391
6435-79	6430-0-0302	10	391
6435-803	6430-0-0351	10	392
6435-81	6430-0-0303	10	392
6435-815	6430-0-0349	10	392
6435-82	6430-0-0304	10	392
6435-83	6430-0-0305	10	392
6435-84	6430-0-0306	10	392
6435-866	6430-0-0344	10	392
6435-87	A 6430-0-0309	10	392
6435-884	6430-0-0388	10	392
6435-885	6430-0-0389	10	392
6436-20	6430-0-0365	10	388
6436-21	6430-0-0366	10	388
6436-212	6430-0-0354	10	388
6436-214	6430-0-0355	10	388
6436-22G	6430-0-0368	10	388
6436-24	6430-0-0367	10	388
6436-24G	6430-0-0369	10	388
6436-260	6430-0-0370	10	388
6436-266	6430-0-0371	10	388
6436-72	6430-0-0372	10	388
6436-74	6430-0-0373	10	388
6436-774	6430-0-0377	10	388
6436-775	6430-0-0378	10	388
6436-777	6430-0-0375	10	388
6436-783	6430-0-0376	10	388
6436-79	6430-0-0374	10	388
6436-803	6430-0-0360	10	388
6436-81	6430-0-0387	10	388
6436-815	6430-0-0361	10	388
6436-82	6430-0-0356	10	388
6436-83	6430-0-0357	10	388
6436-84	6430-0-0358	10	388
6436-866	6430-0-0362	10	388
6436-87	A 6430-0-0359	10	388
6436-884	6430-0-0363	10	388
6436-885	6430-0-0364	10	388
6455-500	6410-0-0373	1/10	390
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6465 U	6410-0-0278	1/10	392
6480 U-102	A 6410-0-0371	1/10	383
6481-102	A 6410-0-0370	1	383
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6498	6410-0-0383	1/10	378
6513 U-102-500	6513-0-0586	1/10	308
6513-102-500	6513-0-0543	1	314
6517 U-101-500	6517-0-0018	1/10	308
6519 U	6519-0-0011	1	308
6520 U-500	6520-0-0227	1/10	309
6540-20	6599-0-1458	10	310
6540-21	6599-0-1490	10	310
6540-22G	6599-0-2803	10	310
6540-24	6599-0-1540	10	310
6540-24G	6599-0-2324	10	310
6540-260	6599-0-2852	10/100	310
6540-266	6599-0-2855	10	310
6540-72	6599-0-2916	1	310
6540-74	6599-0-2084	1	310
6540-774	6599-0-2970	1	310
6540-775	6599-0-2974	1	310
6540-777	6599-0-2932	1	310
6540-783	6599-0-2917	1	310
6540-79	6599-0-2159	1	310

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6540-815-102	6599-0-2981	10	311
6540-82-102	6599-0-2951	10/100	311
6540-83-102	6599-0-2952	10/100	311
6540-84-102	6599-0-2953	10/100	311
6540-866-102	6599-0-2959	10/100	311
6540-87-102	A 6599-0-2956	10	311
6540-884-102	6599-0-2961	10	311
6540-885-102	6599-0-2966	10/100	311
6541-20	6599-0-1466	10	311
6541-21	6599-0-1524	10	311
6541-22G	6599-0-2795	10	311
6541-24	6599-0-1557	10	311
6541-24G	6599-0-2332	10	311
6541-260	6599-0-2853	10	311
6541-266	6599-0-2856	10	311
6541-72	6599-0-2918	10	311
6541-74	6599-0-2076	10	311
6541-774	6599-0-2971	10	311
6541-775	6599-0-2975	10	311
6541-777	6599-0-2933	10	311
6541-783	6599-0-2919	10	311
6541-79	6599-0-2142	10	311
6541-803	6599-0-2940	10	444
6541-81	6599-0-2882	10	444
6541-815	6599-0-2936	10	444
6541-82	6599-0-2832	10	444
6541-83	6599-0-2885	10	444
6541-84	6599-0-2835	10	444
6541-866	6599-0-2924	10	444
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6541-884	6599-0-2962	10	444
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6543-21-102	6599-0-2821	1/10	312
6543-212-102	6599-0-2815	1/10	312
6543-214-102	6599-0-2816	1/10	312
6543-22G-102	6599-0-2822	1/10	312
6543-24-102	6599-0-2823	1/10	312
6543-24G-102	6599-0-2824	1/10	312
6543-260-102	6599-0-2869	1/10	312
6543-266-102	6599-0-2870	1/10	312
6543-72-101	6599-0-2920	1	312
6543-74-101	6599-0-2597	1	312
6543-774-101	6599-0-2972	1	312
6543-775-101	6599-0-2976	1	312
6543-777-101	6599-0-2934	1	312
6543-783-101	6599-0-2921	1	312
6543-79-101	6599-0-2621	1	312
6543-803-101	6599-0-2942	1/10	312
6543-81-101	6599-0-2881	1/10	312
6543-815-101	6599-0-2938	1/10	312
6543-82-101	6599-0-2831	1/10	312
6543-83-101	6599-0-2887	1/10	312
6543-84-101	6599-0-2834	1/10	312
6543-866-101	6599-0-2926	1/10	312
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6543-884-101	6599-0-2963	1/10	312
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6543/11-500	6590-0-0183	1/10	315
6543/12-500	6590-0-0185	1/10	315
6545-20	6599-0-2890	1/10	313
6545-21	6599-0-2891	1/10	313
6545-212	6599-0-2888	1/10	312
6545-214	6599-0-2889	1/10	312
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6545-24	6599-0-2893	1/10	313
6545-24G	6599-0-2894	1/10	313
6545-260	6599-0-2899	1/10	313
6545-266	6599-0-2900	1/10	313
6545-72	6599-0-2922	1	313
6545-74	6599-0-2903	1	313
6545-774	6599-0-2973	1	313
6545-775	6599-0-2977	1	313
6545-777	6599-0-2935	1	313
6545-783	6599-0-2923	1	313
6545-79	6599-0-2905	1	313
6545-803	6599-0-2943	1/10	313
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6545-82	6599-0-2907	1/10	313
6545-83	6599-0-2914	1/10	313
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6550	6550-0-0016	1	315	6800-34-102C	6800-0-1674	1	337
6550 U-101-500	6550-0-0042	1	413	6800-35-102C	6800-0-1740	1	337
6560 U-101	6560-0-1205	1/10	309	6800-72-104	6800-0-2338	1/10	335
6560-101	6560-0-1206	1	315	6800-72-104M	6800-0-2339	1	336
6565 U-500	6565-0-0057	1/10	308	6800-74-104-500	6800-0-2172	1	335
6583-500	6590-0-0178	1/10	315	6800-74-104M-500	6800-0-2173	1	336
6584-500	6590-0-0179	1/10	315	6800-774-104	6800-0-2504	1	335
6590 U-127-500	6590-0-0156	1/10	310	6800-774-104M	6800-0-2505	1	336
6591 U-101-500	6513-0-0588	1/10	309	6800-775-104	6800-0-2502	1	335
6592 U-500	6513-0-0590	1	309	6800-775-104M	6800-0-2503	1	336
6593 U-500	6590-0-0171	1/10	413	6800-777-104	6800-0-2357	1	335
6594 U-500	6590-0-0172	1	390	6800-777-104M	6800-0-2358	1	336
6595 U	6590-0-0188	1	411	6800-783-104	6800-0-2340	1	335
6597-500	6590-0-0155	1/10	315	6800-783-104M	6800-0-2341	1	336
6598	6590-0-0168	10	315	6800-79-104	6800-0-2081	1	335
6701	6700-0-0022	1/10	409	6800-79-104M	6800-0-2097	1	336
6702-500	N 6700-0-0023	1/10	407	6800-803-104	6800-0-2484	1	335
6703-500	N 6700-0-0024	1/10	408	6800-803-104M	6800-0-2485	1	337
6704-500	N 6700-0-0025	1/10	408	6800-81-104	6800-0-2268	1	335
6705-500	N 6700-0-0026	1/10	408	6800-81-104M	6800-0-2269	1	337
6720-64	6720-0-0001	1	411	6800-815-104	6800-0-2482	1	335
6720-65	6720-0-0002	1	411	6800-815-104M	6800-0-2483	1	337
6720-66	6720-0-0003	1	411	6800-82-104	6800-0-2099	1/10	335
6721-64	6720-0-0004	1	411	6800-82-104M	6800-0-2100	1	337
6721-65	6720-0-0005	1	411	6800-83-104	6800-0-2325	1	335
6730-20	6730-0-0007	1	410	6800-83-104M	6800-0-2327	1	337
6730-21	6730-0-0008	1	410	6800-84-104	6800-0-2101	1/10	335
6730-212	6730-0-0001	1	409	6800-84-104M	6800-0-2102	1/10	337
6730-214	6730-0-0002	1	409	6800-866-104	6800-0-2343	1	335
6730-22G	6730-0-0009	1	410	6800-866-104M	6800-0-2344	1	337
6730-24	6730-0-0010	1	410	6800-87-104	A 6800-0-2107	1	335
6730-24G	6730-0-0011	1	410	6800-87-104M	A 6800-0-2108	1	337
6730-260	6730-0-0005	1	410	6800-884-104	6800-0-2497	1	335
6730-266	6730-0-0006	1	410	6800-884-104M	6800-0-2498	1	337
6730-803	6730-0-0025	1	410	6800-885-104	6800-0-2506	1	335
6730-81	6730-0-0014	1	410	6800-885-104M	6800-0-2500	1	337
6730-815	6730-0-0024	1	410	6804 U-101-500	6800-0-2219	1/10	333
6730-82	6730-0-0015	1	410	6805 U-500	6800-0-2161	1/10	334
6730-83	6730-0-0016	1	410	6810-212-101-500	6800-0-2162	1	334
6730-84	6730-0-0017	1	410	6810-214-101-500	6800-0-2163	1	334
6730-866	6730-0-0023	1	410	6811 EB-500	N 6800-0-2517	1/30	331
6730-87	A 6730-0-0020	1	410	6812 U-101-500	6800-0-2160	1/10	333
6730-884	6730-0-0026	1	410	6813-101-500	6800-0-2178	1/10	332
6730-885	6730-0-0027	1	410	6813-183-101-500	6800-0-2324	1	332
6731-212-500	N 6730-0-0028	1/10	406	6813/11-183-500	6800-0-2352	1	332
6731-214-500	N 6730-0-0030	1/10	406	6813/11-24-500	6800-0-2350	1	332
6731-82-500	N 6730-0-0032	1/10	406	6814 U-500	N 6800-0-2518	1/24	331
6731-83-500	N 6730-0-0035	1/10	406	6815 U	6800-0-2270	1/10	338
6731-84-500	N 6730-0-0038	1/10	406	6815-20	6800-0-2273	1/10	338
6731-866-500	N 6730-0-0041	1/10	406	6815-21	6800-0-2274	1/10	338
6732-212-500	N 6730-0-0029	1/10	406	6815-212	6800-0-2271	1/10	338
6732-214-500	N 6730-0-0031	1/10	406	6815-214	6800-0-2272	1/10	338
6732-82-500	N 6730-0-0033	1/10	406	6815-22G	6800-0-2275	1/10	338
6732-83-500	N 6730-0-0036	1/10	406	6815-24	6800-0-2276	1/10	338
6732-84-500	N 6730-0-0039	1/10	406	6815-24G	6800-0-2277	1/10	338
6732-866-500	N 6730-0-0042	1/10	406	6815-260	6800-0-2282	1/10	338
6733-82-500	N 6730-0-0034	1/10	407	6815-266	6800-0-2283	1/10	338
6733-83-500	N 6730-0-0037	1/10	407	6815-803	6800-0-2481	1/10	338
6733-84-500	N 6730-0-0040	1/10	407	6815-81	6800-0-2284	1/10	338
6733-866-500	N 6730-0-0043	1/10	407	6815-815	6800-0-2480	1/10	338
6745 AGM-201	6700-0-0019	1	409	6815-82	6800-0-2285	1/10	338
6745 AGM-204	6700-0-0018	1/10	409	6815-83	6800-0-2342	1/10	338
6745 AGM-208	6700-0-0021	1	409	6815-84	6800-0-2286	1/10	338
6745 AGM-35	6700-0-0020	1	409	6815-866	6800-0-2345	10/10	338
6770-500	N 6770-0-0002	1	412	6815-87	A 6800-0-2289	1/10	338
6780-500	N 6780-0-0001	1/10	407	6815-884	6800-0-2499	1/10	338
6800-20-104	6800-0-2068	1	335	6815-885	6800-0-2501	1/10	338
6800-20-104M	6800-0-2084	1	336	6816 U	6800-0-2355	1/10	338
6800-21-104	6800-0-2069	1	335	6818 U-500	N 6800-0-2519	1/18	332
6800-21-104M	6800-0-2085	1	336	6824-84	6800-0-2516	1	346
6800-212-104-500	6800-0-2164	1	334	6826-84	6800-0-2512	1/10	346
6800-212-104M-500	6800-0-2166	1	336	6827-84	6800-0-2513	1/10	346
6800-214-104-500	6800-0-2165	1	177	6828	6800-0-2514	1/10	346
6800-214-104M	6800-0-2083	1/10	177	6829-84	6800-0-2515	1/10	346
6800-214-104M-500	6800-0-2167	1	336	6830-24-500/01	6800-0-2495	1/100	346
6800-22G-104	6800-0-2070	1	335	6830-24-500/02	6800-0-2496	1/100	346
6800-22G-104M	6800-0-2086	1	336	6841-500	6899-0-0296	1	330
6800-24-104-500	6800-0-2168	1	335	6842	6899-0-0299	1	330
6800-24-104M-500	6800-0-2169	1	143	6843	6800-0-2511	1/120	332
6800-24G-104-500	6800-0-2170	1	335	6844 AGM-204-500	N 6800-0-2507	1	328
6800-24G-104M-500	6800-0-2171	1	336	6845 AGM-201-500	6800-0-2301	1	329
6800-260-104	6800-0-2118	1/10	335	6845 AGM-204-500	6800-0-2300	1/10	329
6800-260-104M	6800-0-2119	1/10	336	6845 AGM-208-500	6800-0-2303	1	329
6800-266-104	6800-0-2120	1/10	335	6845 AGM-35-500	6800-0-2302	1	329
6800-266-104M	6800-0-2121	1/10	336	6845 AGS-204	6800-0-2315	1/10	330
6800-31-102C	6800-0-2353	1	337	6845 AGS-35	6800-0-2316	1	330
6800-32-102C	6800-0-1898	1	337	6845/11 AGM-35-500	6800-0-2336	1	329

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6845/11AGM-201-500	6800-0-2335	1	329
6845/11AGM-204-500	6800-0-2334	1/10	329
6845/11AGM-208-500	6800-0-2337	1	329
6846 AGM-201-500	6800-0-2308	1	330
6846 AGM-204-500	6800-0-2307	1	330
6846 AGM-35-500	6800-0-2309	1	330
6849 AGM-201	6800-0-2311	1	328
6849 AGM-204-500	6800-0-2314	1	328
6849 AGM-208	6800-0-2313	1	328
6849 AGM-35	6800-0-2312	1	328
6853 AGM-201	6800-0-2318	1	329
6853 AGM-204-500	6800-0-2321	1/10	329
6853 AGM-208	6800-0-2320	1	329
6853 AGM-35-500	6800-0-2322	1	329
6885-183-500	6899-0-0298	1	439
6885-500	6899-0-0282	1/10	439
6887-201-500	6899-0-0293	1	330
6887-204-500	6899-0-0292	1	330
6887-35-500	6899-0-0294	1	330
6888	6899-0-2305	1/90	332
6898	6899-0-2304	1/12	346
6899	6899-0-0231	10	352
74 WD	2211-0-0092	10	218
8136-500	8136-0-0002	1	440
8136/20-500	8136-0-0004	1	440
8136/23-500	8136-0-0006	1	440
8136/30-500	8136-0-0012	1	440
8136/31-500	8136-0-0014	1	440
8136/40-500	8136-0-0016	1	440
8136/41-500	8136-0-0018	1	440
8136/UP-500	8136-0-0020	1	440
8202	8200-0-0118	1	296
8205	8200-0-0120	1	297
8208	8200-0-0107	1/10	296
8209-101	8200-0-0106	1/10	296
8210 U	8200-0-0108	1	297
8211 U	8200-0-0010	1/10	297
8214 U	8200-0-0119	1/10	297
8215 U	8200-0-0041	1/10	295
8218 U	8200-0-0142	1/10	294
8220-84	8200-0-0111	1/10	294
8221 U	8200-0-0012	1/10	297
8222 EB	8200-0-0013	1/5	298
8223 U	8200-0-0042	1/10	295
8224 EB	8200-0-0109	1/5	298
8227	8200-0-0110	1/10	298
8228	8200-0-0014	1/10	298
8229/1	8200-0-0015	1/10	298
8229/2	8200-0-0016	1/10	298
8229/3	8200-0-0017	1/5	298
8230-84	8200-0-0132	1/10	294
8251-20	8200-0-0020	10	297
8251-21	8200-0-0021	10	297
8251-212	8200-0-0018	10	297
8251-214	8200-0-0019	10	297
8251-22G	8200-0-0022	10	297
8251-24	8200-0-0023	10	297
8251-24G	8200-0-0024	10	297
8251-260	8200-0-0029	10	297
8251-266	8200-0-0030	10	297
8251-803	8200-0-0105	10	298
8251-81	8200-0-0031	10	298
8251-815	8200-0-0104	10	298
8251-82	8200-0-0032	10	298
8251-83	8200-0-0039	10	298
8251-84	8200-0-0033	10	298
8251-866	8200-0-0040	10	298
8251-87	A 8200-0-0036	10	298
8251-884	8200-0-0121	10	298
8251-885	8200-0-0124	10	298
8252-20	8200-0-0065	10	295
8252-21	8200-0-0066	10	295
8252-212	8200-0-0048	10	295
8252-214	8200-0-0049	10	295
8252-22G	8200-0-0067	10	295
8252-24	8200-0-0068	10	295
8252-24G	8200-0-0069	10	295
8252-260	8200-0-0074	10	295
8252-266	8200-0-0075	10	295
8252-72	8200-0-0061	10	295
8252-74	8200-0-0062	10	295
8252-774	8200-0-0129	10	295
8252-775	8200-0-0127	10	295
8252-777	8200-0-0114	10	295
8252-783	8200-0-0064	10	295
8252-79	8200-0-0063	10	295
8252-803	8200-0-0112	10	295
8252-81	8200-0-0050	10	295

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8252-815	8200-0-0113	10	295
8252-82	8200-0-0051	10	295
8252-83	8200-0-0052	10	295
8252-84	8200-0-0053	10	295
8252-866	8200-0-0059	10	295
8252-87	A 8200-0-0056	10	295
8252-884	8200-0-0122	10	295
8252-885	8200-0-0125	10	295
8253-20	8200-0-0093	1/10	296
8253-21	8200-0-0094	1/10	296
8253-212	8200-0-0076	1/10	295
8253-214	8200-0-0077	1/10	295
8253-22G	8200-0-0095	1/10	296
8253-24	8200-0-0096	1/10	296
8253-24G	8200-0-0097	1/10	296
8253-260	8200-0-0102	1/10	296
8253-266	8200-0-0103	1/10	296
8253-72	8200-0-0089	1/10	296
8253-74	8200-0-0090	1/10	296
8253-774	8200-0-0130	1/10	296
8253-775	8200-0-0128	1/10	296
8253-777	8200-0-0117	1/10	296
8253-783	8200-0-0092	1/10	296
8253-79	8200-0-0091	1/10	296
8253-803	8200-0-0115	1/10	296
8253-81	8200-0-0078	1/10	296
8253-815	8200-0-0116	1/10	296
8253-82	8200-0-0079	1/10	296
8253-83	8200-0-0080	1/10	296
8253-84	8200-0-0081	1/10	296
8253-866	8200-0-0087	1/10	296
8253-87	A 8200-0-0084	1/10	296
8253-884	8200-0-0123	1/10	296
8253-885	8200-0-0126	1/10	296
8254-20	8200-0-0145	10	294
8254-21	8200-0-0146	10	294
8254-212	8200-0-0143	10	294
8254-214	8200-0-0144	10	294
8254-22G	8200-0-0147	10	294
8254-24G	8200-0-0148	10	294
8254-260	8200-0-0149	10	294
8254-266	8200-0-0150	10	294
8254-803	8200-0-0137	10	294
8254-81	8200-0-0151	10	294
8254-815	8200-0-0138	10	294
8254-82	8200-0-0133	10	294
8254-83	8200-0-0134	10	294
8254-84	8200-0-0135	10	294
8254-866	8200-0-0141	10	294
8254-87	A 8200-0-0136	10	294
8254-884	8200-0-0139	10	294
8254-885	8200-0-0140	10	294
83001/1-500	N 8300-0-0138	1	368
83001/2-500	N 8300-0-0139	1	368
83003/1-500	N 8300-0-0140	1	368
83003/2-500	N 8300-0-0141	1	368
83004/1-500	N 8300-0-0142	1	368
83004/2-500	N 8300-0-0143	1	368
83005/1-500	N 8300-0-0144	1	368
83005/2-500	N 8300-0-0145	1	368
83006/1-500	N 8300-0-0146	1	369
83006/2-500	N 8300-0-0147	1	369
8302	1784-0-0022	100	49
83021/1-500	N 8300-0-0148	1	369
83021/2-500	N 8300-0-0149	1	369
83022/1-500	N 8300-0-0150	1	369
83022/2-500	N 8300-0-0151	1	369
8305	1784-0-0701	100	49
83101/1-660-500	N 8300-0-0096	1	360
83101/1-664-500	N 8300-0-0086	1	362
83101/2-660-500	N 8300-0-0097	1	361
83101/2-664-500	N 8300-0-0087	1	362
83101/3-660-500	N 8300-0-0098	1	361
83101/3-664-500	N 8300-0-0088	1	362
83102/4-660-500	N 8300-0-0284	1	361
83102/4-664-500	N 8300-0-0276	1	362
83102/6-660-500	N 8300-0-0285	1	361
83102/6-664-500	N 8300-0-0277	1	362
83105/10-660-500	N 8300-0-0286	1	361
83105/10-664-500	N 8300-0-0278	1	362
83105/15-660-500	N 8300-0-0287	1	361
83105/15-664-500	N 8300-0-0279	1	363
83121/1-660-500	N 8300-0-0101	1	360
83121/1-664-500	N 8300-0-0091	1	361
83121/2-660-500	N 8300-0-0102	1	360
83121/2-664-500	N 8300-0-0092	1	361
83121/3-660-500	N 8300-0-0103	1	360
83121/3-664-500	N 8300-0-0093	1	361

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83122/4-660-500	N 8300-0-0288	1/5	360
83122/4-664-500	N 8300-0-0280	1/5	362
83122/6-660-500	N 8300-0-0289	1/5	360
83122/6-664-500	N 8300-0-0281	1/5	362
83124/12-660-500	N 8300-0-0291	1	360
83124/12-664-500	N 8300-0-0283	1	362
83124/8-660-500	N 8300-0-0290	1	360
83124/8-664-500	N 8300-0-0282	1	362
83140/1-500	N 8300-0-0106	1	366
83140/2-500	N 8300-0-0107	1	366
83140/3-500	N 8300-0-0108	1	366
83141/1-500	N 8300-0-0109	1	366
83141/2-500	N 8300-0-0110	1	366
83141/3-500	N 8300-0-0111	1	366
83161-500	N 8300-0-0211	1/18	367
83200 U-500	N 8300-0-0218	1	364
83205 AP-624-500	N 8300-0-0080	1	363
83205 AP-681-500	N 8300-0-0081	1	363
83205 AP-683-500	N 8300-0-0082	1	363
83220 AP-624-500	N 8300-0-0083	1	363
83220 AP-681-500	N 8300-0-0084	1	363
83220 AP-683-500	N 8300-0-0085	1	363
83260-212-500	N 8300-0-0222	1/18	364
83260-214-500	N 8300-0-0223	1/18	364
83260-81-500	N 8300-0-0220	1/18	364
83260-83-500	N 8300-0-0221	1/18	364
83260-84-500	N 8300-0-0219	1/18	364
83300-500	N 8300-0-0125	1	364
83310-500	N 8300-0-0126	1	364
83320/2 U-500	N 8300-0-0121	1/18	365
83320/2-500	N 8300-0-0120	1/18	365
83325/2-500	N 8300-0-0122	1/18	365
83330-500	N 8300-0-0123	1/10	364
83340-500	N 8300-0-0127	1	364
8337-1	1784-0-0032	100	49
8338-1	1784-0-0057	100	49
8340	1784-0-0222	100	49
83401 AP-681-500	N 8300-0-0116	1	366
83401 AP-689-500	N 8300-0-0112	1	366
83401 U-681-500	N 8300-0-0248	1	365
83401 U-689-500	N 8300-0-0244	1	365
83402 AP-681-500	N 8300-0-0117	1	366
83402 AP-689-500	N 8300-0-0113	1	366
83402 U-681-500	N 8300-0-0249	1	365
83402 U-689-500	N 8300-0-0245	1	365
83403 AP-681-500	N 8300-0-0118	1	366
83403 AP-689-500	N 8300-0-0114	1	366
83403 U-681-500	N 8300-0-0250	1	365
83403 U-689-500	N 8300-0-0246	1	365
83404 AP-681-500	N 8300-0-0119	1	366
83404 AP-689-500	N 8300-0-0115	1	366
83404 U-681-500	N 8300-0-0251	1	365
83404 U-689-500	N 8300-0-0247	1	365
8341	1784-0-0248	100	49
8342	1784-0-0255	100	49
8343	1784-0-0263	100	49
8344-1	1784-0-0164	100	49
8345-1	1784-0-0289	100	49
8350	1784-0-0545	100	49
83500-500	N 8300-0-0232	1	367
83501-500	N 8300-0-0233	1	367
83505-624-500	N 8300-0-0135	1/9	367
83505-681-500	N 8300-0-0136	1/9	367
83505-683-500	N 8300-0-0137	1/9	367
83510-500	N 8300-0-0129	1/90	367
83511-500	N 8300-0-0309	1/18	365
8352	1784-0-0560	100	49
8353	1784-0-0578	100	49
83530-500	N 8300-0-0134	1/9	367
83531-660-500	N 8300-0-0130	1	367
83531-664-500	N 8300-0-0131	1	367
83532-660-500	N 8300-0-0132	1/20	367
83532-664-500	N 8300-0-0133	1/20	367
83541-500	N 8300-0-0316	1	365
83542-500	N 8300-0-0317	1	365
8360	1784-0-0552	100	49
8362	1784-0-0586	100	49
8363	1784-0-0594	100	49
8365	1784-0-0610	100	49
8366	1784-0-0636	100	49
8367	1784-0-0651	100	49
8380-10	1784-0-0779	10	48
8380-12	1784-0-0782	10	48
8380-17	1784-0-0785	10	48
8382-10	1784-0-0780	10	48
8382-12	1784-0-0783	10	48
8382-17	1784-0-0786	10	48
8383-10	1784-0-0781	10	48

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8383-12	1784-0-0784	10	48
8383-17	1784-0-0787	10	48
8390-10	1784-0-0788	10	48
8390-12	1784-0-0791	10	48
8390-17	1784-0-0794	100	48
8392-10	1784-0-0789	10	48
8392-12	1784-0-0792	10	48
8392-17	1784-0-0795	10	48
8393-10	1784-0-0790	10	48
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1710-0-3708	1794 TA-79	10	101
1710-0-3709	1795 TA-212	10	191
1710-0-3710	1795 TA-214	10	177
1710-0-3711	1795 TA-20	10	142
1710-0-3712	1795 TA-21	10	142
1710-0-3713	1795 TA-22G	10	142
1710-0-3714	1795 TA-24	10	142
1710-0-3715	1795 TA-24G	10	142
1710-0-3720	1795 TA-260	10	142
1710-0-3721	1795 TA-266	10	142
1710-0-3722	1795 TA-81	10	161
1710-0-3723	1795 TA-82	10	161
1710-0-3724	1795 TA-83	10	161
1710-0-3725	1795 TA-84	10	161
1710-0-3728	A 1795 TA-87	10	115

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1710-0-3733	1795 TA-74	10	101
1710-0-3735	1795 TA-79	10	101
1710-0-3738	A 1775 S/W-72-101	10	383
1710-0-3739	A 1775 S/W-783-101	10	383
1710-0-3744	1794-783	10	100
1710-0-3745	1794-72	10	100
1710-0-3746	1795-72	10	100
1710-0-3747	1795-783	10	100
1710-0-3748	1740-866	10	376
1710-0-3749	1755 SL/PZ-866-101	10	377
1710-0-3750	1775 S/W-866-101	10	383
1710-0-3751	1742-866	10	84
1710-0-3752	1749-866	10	261
1710-0-3754	1780-866	10	86
1710-0-3755	1794-866	10	86
1710-0-3756	1795-866	10	86
1710-0-3758	2542 DR/01-866	10	83
1710-0-3759	2542 DR/02-866	10	83
1710-0-3760	1748-866	10	260
1710-0-3761	1794 TA-866	10	86
1710-0-3762	1795 TA-866	10	87
1710-0-3763	1803-866	10/100	299
1710-0-3764	1803-02-866	10/100	250
1710-0-3765	1766-866	10/100	300
1710-0-3766	1745-866	10	252
1710-0-3767	1800-866	10	256
1710-0-3768	1746/10-866	10	258
1710-0-3769	1746-866	10	258
1710-0-3770	1750-866	10	261
1710-0-3774	1794 TA-72	10	101
1710-0-3775	1794 TA-783	10	101
1710-0-3776	1795 TA-72	10	101
1710-0-3777	1795 TA-783	10	101
1710-0-3784	2118 GK-31	10/100	201
1710-0-3785	2118 GK-33	10/100	201
1710-0-3786	2118 GKN-31	10	201
1710-0-3787	2118 GKN-33	10	201
1710-0-3788	2118 GKSL-31	10	201
1710-0-3789	2118 GKSL-33	10	201
1710-0-3790	2118 GKSLN/11-31	10	202
1710-0-3791	2118 GKSLN/11-32	10	202
1710-0-3792	2118 GKSLN/11-33	10	202
1710-0-3793	2118 GKSLN/11-34	10	202
1710-0-3794	2118 GKSLN/11-35	10	202
1710-0-3795	2118 GKSLN-31	10	202
1710-0-3796	2118 GKSLN-33	10	202
1710-0-3797	2133-31	10	201
1710-0-3798	2133-33	10	201
1710-0-3799	2138-31	10	201
1710-0-3800	2138-33	10	201
1710-0-3801	2142 DR-31	10	201
1710-0-3802	2142 DR-33	10	201
1710-0-3803	2155 PZ-31	10	201
1710-0-3804	2155 PZ-33	10	201
1710-0-3805	2155 SLPZ-31	10	201
1710-0-3806	2155 SLPZ-33	10	201
1710-0-3807	1740 DR/03-82	10	301
1710-0-3808	1740 DR/03-84	10	301
1710-0-3811	1740 DR/03-83	10	301
1710-0-3812	1740 DR/03-866	10	301
1710-0-3813	A 1775 S/W-777-101	10	383
1710-0-3816	1794-777	10	100
1710-0-3817	1795-777	10	100
1710-0-3818	1794 TA-777	10	101
1710-0-3819	1795 TA-777	10	101
1710-0-3820	1740-815	10	376
1710-0-3821	1755 SL/PZ-815-101	10	377
1710-0-3822	1775 S/W-815-101	10	383
1710-0-3823	1742-815	10	111
1710-0-3824	1749-815	10	261
1710-0-3826	1780-815	10	115
1710-0-3827	1794-815	10	115
1710-0-3828	1795-815	10	115
1710-0-3829	1794 TA-815	10	115
1710-0-3830	1795 TA-815	10	115
1710-0-3831	1748-815	10	112
1710-0-3832	1803-815	10	299
1710-0-3833	1803-02-815	10	250
1710-0-3834	1766-815	10	300
1710-0-3835	1745-815	10	252
1710-0-3836	1800-815	10	256
1710-0-3837	1746/10-815	10	258
1710-0-3838	1746-815	10	258
1710-0-3839	1750-815	10	261
1710-0-3840	1740-803	10	376
1710-0-3841	1755 SL/PZ-803-101	10	377
1710-0-3842	1775 S/W-803-101	10	383
1710-0-3843	1742-803	10	111

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1710-0-3846	1780-803	10	115	1713-0-0155	2504-212	10/100	375
1710-0-3847	1794-803	10	115	1713-0-0163	2504-214	10/100	375
1710-0-3848	1795-803	10	115	1714-0-0203	2145 N	100	217
1710-0-3849	1794 TA-803	10	115	1714-0-0211	2145 LJ	100	217
1710-0-3850	1795 TA-803	10	115	1714-0-0229	2145 KI	100	217
1710-0-3851	1748-803	10	112	1714-0-0237	2145 TR	100	217
1710-0-3852	1803-803	10	299	1714-0-0245	2145-12	100	217
1710-0-3853	1803-02-803	10	250	1714-0-0252	2622 N-101	100	209
1710-0-3854	1766-803	10	300	1714-0-0260	2622 LI-101	100	209
1710-0-3855	1745-803	10	252	1714-0-0278	2622 KI-101	100	209
1710-0-3856	1800-803	10	256	1714-0-0286	2622 TR-101	100	209
1710-0-3857	1746/10-803	10	258	1714-0-0294	2622-12-101	100	209
1710-0-3858	1746-803	10	258	1714-0-0295	2144 LJ	100/1000	182
1710-0-3859	1750-803	10	261	1714-0-0296	2144 KI	100/1000	182
1710-0-3862	1747 SI-82	10	258	1714-0-0297	2144 TR	100/1000	182
1710-0-3863	1747 SI-84	10	258	1714-0-0298	2144 ST	100/1000	182
1710-0-3870	1740 DR/03-884	10	301	1714-0-0301	2144/11-19	10	283
1710-0-3872	1740-884	10	376	1714-0-0302	2144/12-19	10	283
1710-0-3873	1742-884	10/100	156	1714-0-0303	2144/34-19	10	283
1710-0-3874	1745-884	10	252	1714-0-0304	2144/13-19	10	283
1710-0-3875	1746/10-884	10	258	1714-0-0305	2144-19	10	283
1710-0-3876	1746-884	10	258	1714-0-0306	2144/14-19	10	283
1710-0-3877	1748-884	10	260	1714-0-0307	2144/21-19	10	283
1710-0-3878	1749-884	10	261	1714-0-0308	2144/22-19	10	283
1710-0-3879	1750-884	10	261	1714-0-0309	2144/23-19	10	283
1710-0-3883	1794 TA-884	10	161	1714-0-0310	2144/24-19	10	283
1710-0-3884	1794-884	10	161	1715-0-0218	2538-212	10/100	185
1710-0-3885	1795 TA-884	10	161	1715-0-0275	2538-214	10/100	172
1710-0-3886	1795-884	10	161	1716-0-0042	2609 WS	10	218
1710-0-3887	1800-884	10	256	1717-0-0065	2110 C-212	10	308
1710-0-3888	1803-02-884	10	250	1719-0-0061	2518-214	10	181
1710-0-3889	1803-884	10	299	1719-0-0111	2518-212	10/100	193
1710-0-3890	2542 DR/01-884	10	154	1723-0-0063	2147 U-212	10	300
1710-0-3891	2542 DR/02-884	10	154	1723-0-0113	1751-20	10	300
1710-0-3892	1740 DR/03-885	10	301	1723-0-0121	1751-21	10	300
1710-0-3894	1740-885	10	376	1723-0-0139	1751-24	10	300
1710-0-3895	1742-885	10	156	1723-0-0162	2147 U-214	10	300
1710-0-3896	1745-885	10	252	1723-0-0170	2147 U-215	10	300
1710-0-3897	1746/10-885	10	258	1723-0-0204	1751-24G	10	300
1710-0-3898	1746-885	10	258	1723-0-0238	1751-22G	10	300
1710-0-3899	1748-885	10	260	1723-0-0239	1751-82	10	301
1710-0-3900	1749-885	10	261	1723-0-0240	1751-84	10/100	301
1710-0-3901	1750-885	10	261	1723-0-0243	A 1751-87	10	301
1710-0-3902	1755 SL/PZ-885-101	10	377	1723-0-0245	1751-260	10/100	300
1710-0-3903	1766-885	10	300	1723-0-0246	1751-266	10	300
1710-0-3904	A 1775 S/W-885-101	10	383	1723-0-0253	1751-81	10	301
1710-0-3905	1792-885	10	224	1723-0-0254	1751-83	10	301
1710-0-3906	1794 TA-885	10	161	1723-0-0255	1751-866	10	301
1710-0-3907	1794-885	10	161	1723-0-0256	1751-815	10	301
1710-0-3908	1795 TA-885	10	161	1723-0-0257	1751-803	10	301
1710-0-3909	1795-885	10	161	1723-0-0259	1751-885	10	301
1710-0-3910	1800-885	10	256	1723-0-0260	1751-884	10	301
1710-0-3911	1803-02-885	10	250	1724-0-0186	2530-212	10	260
1710-0-3912	1803-885	10	299	1724-0-0194	2531-212	10/100	253
1710-0-3913	2542 DR/01-885	10	154	1724-0-0210	2533-212	10	262
1710-0-3914	2542 DR/02-885	10	154	1724-0-0228	2534-212	10	262
1710-0-3915	A 1775 S/W-775-101	10	383	1724-0-0236	2535-212	10	252
1710-0-3916	1794 TA-775	10	101	1724-0-0244	2536-212	10	252
1710-0-3917	1794-775	10	100	1724-0-0269	1762-212-506	10/100	251
1710-0-3918	1795 TA-775	10	101	1724-0-0426	1759-506	10	252
1710-0-3919	1795-775	10	100	1724-0-0434	2539-212	10/100	299
1710-0-3920	A 1775 S/W-774-101	10	383	1724-0-0616	2549-212	10	259
1710-0-3921	1794 TA-774	10	101	1724-0-0624	2553-212	10	259
1710-0-3922	1794-774	10	100	1724-0-0897	2531-214	10/100	253
1710-0-3923	1795 TA-774	10	101	1724-0-0905	2535-214	10	252
1710-0-3924	1795-774	10	100	1724-0-0913	2539-214	10/100	299
1710-0-3925	1755 SL/PZ-884-101	10	377	1724-0-0921	2536-214	10	252
1710-0-3926	1766-884	10	300	1724-0-0962	2549-214	10	259
1710-0-3927	A 1775 S/W-884-101	10	383	1724-0-1002	1758-212	10/100	263
1710-0-3928	1792-884	10	224	1724-0-1010	1758-20	10	263
1711-0-0001	0233 BS-20	10	38	1724-0-1028	1758-21	10	263
1711-0-0002	0233 BS-260	10	38	1724-0-1036	1758-24	10	263
1711-0-0003	0233 BS-266	10	38	1724-0-1119	2530-214	10	260
1711-0-0034	0280 BS-260	10	35	1724-0-1127	2553-214	10	259
1711-0-0035	0281 BS-260	10	35	1724-0-1150	2533-214	10	262
1711-0-0036	0282 BS-260	10	35	1724-0-1168	2534-214	10	262
1711-0-0037	0280 BS-266	10	35	1724-0-1200	2531-215	10	253
1711-0-0038	0281 BS-266	10	35	1724-0-1663	1758-214	10/100	263
1711-0-0039	0282 BS-266	10	35	1724-0-1705	1762-214-506	10/100	251
1711-0-0040	0280 BS-20	10	35	1724-0-1747	1743-03-212	10/100	253
1711-0-0041	0281 BS-20	10	35	1724-0-1754	1743-03-214	10/100	253
1711-0-0042	0282 BS-20	10	35	1724-0-1853	1743-03-24	10	254
1711-0-0043	0280 BS-21	10	35	1724-0-1911	1743-03-24G	10	254
1711-0-0044	0281 BS-21	10	35	1724-0-2067	1758-24G	10	263
1711-0-0045	0282 BS-21	10	35	1724-0-2117	1773-214	10	392
1711-0-0046	0282 BS-24	10	35	1724-0-2158	1773-20	10	392
1712-0-0165	3741 UJ	80	273	1724-0-2166	1773-21	10	392

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1724-0-2182	1773-24G	10	392	1724-0-4270	2533-866	10	252
1724-0-2240	1773-74	10	392	1724-0-4271	1743-866	10/100	253
1724-0-2273	1773-79	10	392	1724-0-4272	1758-866	10	264
1724-0-2463	1743-03-22G	10	254	1724-0-4281	2533 WN-54	10	213
1724-0-2513	1758-22G	10	140	1724-0-4282	2533 WN-15-54	10	213
1724-0-2521	1773-22G	10	392	1724-0-4286	1773-777	10	392
1724-0-2547	1773/10-212	10	393	1724-0-4288	1743-815	10	253
1724-0-2554	1773/10-214	10/100	393	1724-0-4289	1758-815	10	264
1724-0-2596	1773/10-20	10	393	1724-0-4291	1743-803	10	253
1724-0-2612	1773/10-24	10	393	1724-0-4292	1758-803	10	264
1724-0-2695	1773/10-22G	10	393	1724-0-4293	1743-884	10/100	253
1724-0-2696	2533-214-15	10/100	262	1724-0-4296	2533-884	10	252
1724-0-2697	2548-046 A-212	10	265	1724-0-4298	1743-885	10/100	253
1724-0-2698	2548-020 D-212	10	265	1724-0-4299	1758-885	10	264
1724-0-2699	2548-021 G-212	10	265	1724-0-4301	2533-885	10	252
1724-0-2700	2548-020 E-212	10	265	1724-0-4304	1773-775	10	392
1724-0-2701	2548-020 F-212	10	265	1724-0-4306	1773-774	10	392
1724-0-2702	2548-022 A-212	10	265	1724-0-4307	1758-884	10	264
1724-0-2703	2548-022 AR-212	10	265	1725-0-0613	2511-212-506	10/100	193
1724-0-2704	2548-642 C-212	10	266	1725-0-0621	2512-212-506	10/100	193
1724-0-2705	2548-642 D-212	10	265	1725-0-0639	2513-212-506	10/100	193
1724-0-2706	2548-642 B-212	10	265	1725-0-0647	2514-212-500	10/100	193
1724-0-2707	2548-642 BD-212	10	266	1725-0-0654	2515-212-500	10	193
1724-0-2708	2548-642 E-212	10	266	1725-0-0662	2511 JH-212	10	193
1724-0-2709	2548-022 B-212	10	265	1725-0-0928	2511-214	10/100	180
1724-0-2710	2548-071 D-212	10	265	1725-0-0936	2512-214	10/100	180
1724-0-2711	2548-071 E-212	10	265	1725-0-0944	2513-214	10/100	180
1724-0-2712	2548-046 A-214	10	265	1725-0-0951	2514-214	10/100	180
1724-0-2713	2548-020 D-214	10	265	1725-0-0969	2515-214	10	180
1724-0-2714	2548-021 G-214	10	265	1725-0-1009	2511 JH-214	10	180
1724-0-2715	2548-020 E-214	10	265	1725-0-1058	2511-217	10	180
1724-0-2716	2548-020 F-214	10	265	1725-0-1082	2512-217	10	180
1724-0-2717	2548-022 A-214	10	265	1725-0-1489	2511-212K-102	10/100	194
1724-0-2718	2548-022 AR-214	10	265	1725-0-1490	2512-212K-102	10/100	194
1724-0-2719	2548-642 C-214	10	266	1725-0-1491	2513-212K-102	10/100	194
1724-0-2720	2548-642 D-214	10	265	1725-0-1492	2514-212K-102	10	194
1724-0-2721	2548-642 B-214	10	265	1725-0-1493	2515-212K-102	10	194
1724-0-2722	2548-642 BD-214	10	266	1725-0-1494	2511-214K-102	10/100	181
1724-0-2723	2548-642 E-214	10	266	1725-0-1495	2512-214K-102	10/100	181
1724-0-2724	2548-022 B-214	10	265	1725-0-1496	2513-214K-102	10/100	181
1724-0-2725	2548-071 D-214	10	265	1725-0-1497	2514-214K-102	10	181
1724-0-2726	2548-071 E-214	10	265	1725-0-1498	2515-214K-102	10	181
1724-0-2732	1743-01 BS-22-500	10	37	1725-0-1499	2511-217K-102	10	181
1724-0-2733	1743-01 BS-24-500	10	37	1725-0-1500	2512-217K-102	10	181
1724-0-2737	1743-01-212-500	10	252	1726-0-0025	2519-214	10	257
1724-0-2738	1743-01-214-500	10	252	1726-0-0066	2519-212	10	257
1724-0-2742	1743-02 BS-22-500	10	37	1726-0-0173	1746-212-101	10/100	257
1724-0-2743	1743-02 BS-24-500	10	37	1726-0-0181	1746-214-101	10/100	257
1724-0-2747	1743-03-20-101	10	254	1730-0-0191	2101-34	10/100	203
1724-0-2748	1743-03-21-101	10	254	1730-0-0209	2102-34	10/100	203
1724-0-2751	1758 WN-53	10	264	1730-0-0217	2103-34	10	203
1724-0-2752	2533 WN-53	10	213	1730-0-0225	2101-35	10	203
1724-0-2753	2533 WN-15-53	10	213	1730-0-0233	2102-35	10	203
1724-0-2758	1743-82	10	253	1730-0-0241	2103-35	10	203
1724-0-2759	1758-82	10	264	1730-0-0258	2101-32	10/100	203
1724-0-2761	1758-84	10/100	264	1730-0-0266	2102-32	10/100	203
1724-0-2769	A 1743-87	10	253	1730-0-0274	2103-32	10	203
1724-0-2770	A 1758-87	10	264	1730-0-0275	2101-31	10/100	203
1724-0-2774	1743-84	10/100	253	1730-0-0276	2101-33	10/100	203
1724-0-2790	1773-260	10	392	1730-0-0277	2102-31	10/100	203
1724-0-2791	1743-260	10	253	1730-0-0278	2102-33	10/100	203
1724-0-2792	1743-03-260	10/100	254	1730-0-0279	2103-31	10	203
1724-0-2793	1758-260	10	263	1730-0-0280	2103-33	10	203
1724-0-2795	1773-266	10	392	1731-0-0223	2506-212	10/100	182
1724-0-2796	1743-266	10	253	1731-0-0249	2508-212	10	182
1724-0-2797	1743-03-266	10/100	254	1731-0-0272	2520 LI-212	10/100	183
1724-0-2798	1758-266	10	263	1731-0-0280	2520 KI-212	10/100	183
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2CDG110079R0011	SD/S 2.16.1		459
2CDG110080R0011	SD/S 4.16.1		459
2CDG110081R0011	SD/S 8.16.1		459
2CDG110082R0011	SA/S 12.16.1		455
2CDG110083R0011	ZS/S 1.1		451
2CDG110084R0011	FCA/S 1.1M		456
2CDG110085R0011	SV/S 30.160.5		461
2CDG110086R0011	AE/A 2.1		448
2CDG110087R0011	LR/S 2.16.1		458
2CDG110088R0011	LR/S 4.16.1		459
2CDG110089R0011	LF/U 2.1		459
2CDG110090R0011	BE/S 4.20.2.1		448
2CDG110091R0011	BE/S 4.230.2.1		448
2CDG110092R0011	BE/S 8.20.2.1		448
2CDG110093R0011	BE/S 8.230.2.1		448
2CDG110094R0011	RM/S 1.1		448
2CDG110095R0011	RM/S 2.1		448
2CDG110096R0011	NTI/Z 28.30.1		461
2CDG110098R0011	IPS/S 2.1		463
2CDG110100R0011	SAM 2.16.1		446
2CDG110101R0011	DLR/S 8.16.1M		460
2CDG110103R0011	DG/S 1.16.1		460
2CDG110104R0011	RC/A 4.2		446
2CDG110106R0011	RC/A 8.2		446
2CDG110107R0011	SD/M 2.6.2		446
2CDG110108R0011	LR/M 1.6.2		447
2CDG110109R0011	MT/S 4.12.2M		451
2CDG110110R0011	MT/S 8.12.2M		451
2CDG110111R0011	MT/U 2.12.2		451
2CDG110112R0011	SA/S 2.16.6.1		455
2CDG110113R0011	SA/S 4.16.6.1		455
2CDG110114R0011	SA/S 8.16.6.1		455
2CDG110119R0011	TG/Z 1.1		463
2CDG110120R0011	N JRA/S 2.230.2.1		457
2CDG110121R0011	N JRA/S 4.230.2.1		457
2CDG110122R0011	JRA/S8.230.2.1		458
2CDG110124R0011	N JRA/S 2.230.5.1		457
2CDG110125R0011	N JRA/S4.230.5.1		458
2CDG110126R0011	N JRA/S 8.230.5.1		458
2CDG110128R0011	N JRA/S 4.24.5.1		458
2CDG110129R0011	N JRA/S 2.230.1.1		457
2CDG110130R0011	N JRA/S4.230.1.1		457
2CDG110131R0011	N JRA/S 8.230.1.1		458
2CDG110135R0011	TG/S 3.2		463
2CDG110136R0011	SE/S 3.16.1		455
2CDG110142R0011	N DGN/S 1.16.1		460
2CDG110143R0011	N SJR/S4.24.2.1		458
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2CDG120002R0011	TS/K 1.1		457
2CDG120004R0011	ST/K 1.1		445
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2CDG120006R0011	AAM/S 4.1		456
2CDG120007R0011	TSA/K 230.1		445
2CDG120008R0011	TSA/K 24.1		445
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2CDG120034R0011	ISM/S 5.1		464
2CDG120035R0011	ISS/S 5.1		464
2CDG120036R0011	IPM/S 1.1		464
2CDG120037R0011	CP-D 24/2.5		430
2CDG220003R0011	L240/MG2		465
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2CDG230013R0011	L240/IP		464
2CDG230014R0011	L240/PT		464
2CDG230023R0011	IR/XB		464
2CDG230024R0011	IR/XC		465
2CDG230025R0011	EIM/XB		465
2CDG230026R0011	EIM/XC		465
2CDG230027R0011	IR/KB		466
2CDG230028R0011	EIM/KB		466
2CDG230038R0011	EIM/DB		466
2CDG430051R0011	FC600/BREL		466
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3116-0-0605	3118 EUCKS-214	1	353
3116-0-0613	3120 EUCKS-212	1	353
3116-0-0621	3120 EUCKS-214	1	353
3116-0-0639	3118 WSKS	1	353
3116-0-0647	3118 EUCKS-44	1	353
3116-0-0655	3120 EUCKS-82	1	353
3116-0-0656	3120 EUCKS-84	1	353
3116-0-0657	3120 EUCKS-884	1	159
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3117-0-0002	3150 UC-214	1	353
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6020-0-0762	6021-21	1	412
6020-0-0986	6067-79-101	1	415
6020-0-1133	6010-25-500	1	412
6020-0-1166	6080-24-500	1	415
6020-0-1190	6066-74-101-500	1	414
6020-0-1224	6067-74-101-500	1	415
6020-0-1232	6056 EB-500	1	415
6020-0-1240	6045 E-101-500	1	415
6020-0-1265	6045-500	1	415
6020-0-1281	6020-24-500	1	412
6020-0-1299	6020-24G-500	1	412
6020-0-1307	6021-24G-500	1	412
6020-0-1315	6021-24-500	1	412
6020-0-1316	6066-20-102	10	414
6020-0-1317	6066-21-102	1/10	414
6020-0-1318	6066-22G-102	1/10	414
6020-0-1324	6067-20-102	10	415
6020-0-1325	6067-21-102	10	415
6020-0-1326	6067-22G-102	10	415
6020-0-1332	6066-82	10/10	414
6020-0-1333	6067-82	1	415
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6020-0-1335	6067-84	1	415
6020-0-1340	A 6066-87	1/10	414
6020-0-1341	A 6067-87	1	415
6020-0-1352	6056 EB-127-500	1	41
6020-0-1365	6066-260-102	1/10	414
6020-0-1366	6066-266-102	1/10	414
6020-0-1369	6067-260-102	1/10	415
6020-0-1370	6067-266-102	1/10	415
6020-0-1371	6066-24-102-500	1	414
6020-0-1372	6066-24G-102-500	1	414
6020-0-1373	6067-24-102-500	1	415
6020-0-1374	6067-24G-102-500	1	415
6020-0-1379	6066-81	1/10	414
6020-0-1380	6067-81	1/10	415
6020-0-1383	6066-83	1/10	414
6020-0-1384	6067-83	1/10	415
6020-0-1385	6066-72-101	1	414
6020-0-1386	6066-783-101	1	414
6020-0-1387	6067-72-101	1	415
6020-0-1388	6067-783-101	1	415
6020-0-1389	6066-866	1/10	414
6020-0-1390	6067-866	1/10	415
6020-0-1391	6066-777-101	1	414
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6020-0-1397	6066-884	1/10	414
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6020-0-1399	6066-885	1/10	414
6020-0-1400	6067-885	1/10	415
6020-0-1401	6066-775-101	1	414
6020-0-1403	6067-775-101	1	415
6020-0-1405	6066-774-101	1	414
6020-0-1407	6067-774-101	1	415
6099-0-0014	6090	10	412
6115-0-0183	6125/01-84-500	1	432
6115-0-0205	6125/01-81-500	1	432
6115-0-0206	6125/01-82-500	1	432
6115-0-0207	6125/01-83-500	1	432
6115-0-0209	A 6125/01-87-500	1	432
6115-0-0211	6125/01-866-500	1	432
6115-0-0212	6125/01-803-500	1	432
6115-0-0213	6125/01-815-500	1	432
6115-0-0214	6125/01-884-500	1	432
6115-0-0215	6125/01-885-500	1	432
6115-0-0216	6125/02-81-500	1	434
6115-0-0217	6125/02-82-500	1	434
6115-0-0218	6125/02-83-500	1	434
6115-0-0219	6125/02-84-500	1	434
6115-0-0221	A 6125/02-87-500	1	434
6115-0-0223	6125/02-866-500	1	434
6115-0-0224	6125/02-803-500	1	434
6115-0-0225	6125/02-815-500	1	434
6115-0-0226	6125/02-884-500	1	434
6115-0-0227	6125/02-885-500	1	434
6116-0-0174	6126/01-84-500	1	433
6116-0-0195	6126/01-81-500	1	433
6116-0-0196	6126/01-82-500	1	433
6116-0-0197	6126/01-83-500	1	433
6116-0-0199	A 6126/01-87-500	1	433
6116-0-0201	6126/01-866-500	1	433
6116-0-0202	6126/01-803-500	1	433
6116-0-0203	6126/01-815-500	1	433
6116-0-0204	6126/01-884-500	1	433
6116-0-0205	6126/01-885-500	1	433
6116-0-0206	6126/02-81-500	1	434
6116-0-0207	6126/02-82-500	1	434
6116-0-0208	6126/02-83-500	1	434
6116-0-0209	6126/02-84-500	1	434
6116-0-0211	A 6126/02-87-500	1	434
6116-0-0213	6126/02-866-500	1	434
6116-0-0214	6126/02-803-500	1	434
6116-0-0215	6126/02-815-500	1	434
6116-0-0216	6126/02-884-500	1	434
6116-0-0217	6126/02-885-500	1	434
6117-0-0200	6127/01-84-500	1	433
6117-0-0221	6127/01-81-500	1	433
6117-0-0222	6127/01-82-500	1	433
6117-0-0223	6127/01-83-500	1	433
6117-0-0225	A 6127/01-87-500	1	433
6117-0-0227	6127/01-866-500	1	433
6117-0-0228	6127/01-803-500	1	433
6117-0-0229	6127/01-815-500	1	433
6117-0-0230	6127/01-884-500	1	433
6117-0-0231	6127/01-885-500	1	433
6117-0-0232	6127/02-81-500	1	435
6117-0-0233	6127/02-82-500	1	435
6117-0-0234	6127/02-83-500	1	435
6117-0-0235	6127/02-84-500	1	435
6117-0-0237	A 6127/02-87-500	1	435
6117-0-0239	6127/02-866-500	1	435
6117-0-0240	6127/02-803-500	1	435
6117-0-0241	6127/02-815-500	1	435
6117-0-0242	6127/02-884-500	1	435
6117-0-0243	6127/02-885-500	1	435
6120-0-0072	6120/13-500	1/10	430
6120-0-0075	6120/12-101-500	1/10	437
6132-0-0160	6179 AGM-204-500	1/10	439
6132-0-0162	6179 AGM-208-500	1	439
6132-0-0250	6122/01-84-500	1/10	435
6132-0-0263	6122/02-84-500	1/10	436
6132-0-0272	6122/01-81-500	1	435
6132-0-0273	6122/01-82-500	1	435
6132-0-0274	6122/01-83-500	1	435
6132-0-0276	A 6122/01-87-500	1	435
6132-0-0278	6122/01-866-500	1	435
6132-0-0279	6122/01-803-500	1	435
6132-0-0280	6122/01-815-500	1	435
6132-0-0281	6122/01-884-500	1	435
6132-0-0282	6122/01-885-500	1	435
6132-0-0283	6122/02-81-500	1	436
6132-0-0284	6122/02-82-500	1	436

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6132-0-0287	A 6122/02-87-500	1	436
6132-0-0289	6122/02-866-500	1	436
6132-0-0290	6122/02-803-500	1	436
6132-0-0291	6122/02-815-500	1	436
6132-0-0292	6122/02-884-500	1	436
6132-0-0293	6122/02-885-500	1	436
6132-0-0295	6131/10-24-500	1	439
6132-0-0297	6131/10-183-500	1	439
6132-0-0299	6131/11-24-500	1/10	439
6132-0-0301	6131/11-183-500	1	439
6133-0-0201	6149/21-500	1	438
6133-0-0207	6108/01-500	1/10	438
6133-0-0209	6108/02-500	1/10	438
6133-0-0211	6108/04-500	1/10	438
6133-0-0213	6108/05-500	1	438
6134-0-0248	6124/01-84-500	1/10	436
6134-0-0261	6128/01-84-500	1/10	437
6134-0-0271	6108/03-500	1	438
6134-0-0274	6124/01-82-500	1	436
6134-0-0275	6124/01-83-500	1	436
6134-0-0277	A 6124/01-87-500	1	436
6134-0-0279	6124/01-866-500	1	436
6134-0-0280	6124/01-803-500	1	436
6134-0-0281	6124/01-815-500	1	436
6134-0-0282	6124/01-884-500	1	436
6134-0-0283	6124/01-885-500	1	436
6134-0-0284	6128/01-81-500	1	437
6134-0-0285	6128/01-82-500	1	437
6134-0-0286	6128/01-83-500	1	437
6134-0-0288	A 6128/01-87-500	1	437
6134-0-0290	6128/01-866-500	1	437
6134-0-0291	6128/01-803-500	1	437
6134-0-0292	6128/01-815-500	1	437
6134-0-0293	6128/01-884-500	1	437
6134-0-0294	6128/01-885-500	1	437
6134-0-0295	6124/01-81-500	1	436
6135-0-0146	6129/01-84-500	1	437
6135-0-0156	6129/01-81-500	1	437
6135-0-0157	6129/01-82-500	1	437
6135-0-0158	6129/01-83-500	1	437
6135-0-0160	A 6129/01-87-500	1	437
6135-0-0162	6129/01-866-500	1	437
6135-0-0163	6129/01-803-500	1	437
6135-0-0164	6129/01-815-500	1	437
6135-0-0165	6129/01-884-500	1	437
6135-0-0166	6129/01-885-500	1	437
6136-0-0124	6136/UP	1	441
6136-0-0139	6136/10-500	1	441
6136-0-0141	6136/11-500	1	441
6136-0-0155	6136/13-500	1	441
6136-0-0185	6136/100 C-102-500	1	441
6136-0-0186	6136/100 CB-102	1	441
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6138-0-0005	6138/11-83-500	1	439
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6146-0-0022	6146/10	1	443
6151-0-0168	6164 U-500	1/10	439
6183-0-0016	6183	100	444
6186-0-0021	6186 UP-500	1	440
6190-0-0031	6190/41	1	443
6190-0-0033	6190/43	1	443
6190-0-0034	6190/44	1	443
6190-0-0035	6190/45	1	444
6190-0-0040	6190/49-101	1	444
6197-0-0025	6197/12-500	1	441
6197-0-0026	6197/13-500	1	442
6197-0-0027	6197/14-500	1	442
6197-0-0028	6197/15-500	1	442
6197-0-0029	6197/52-500	1	442
6197-0-0030	6197/53-500	1	443
6310-0-0078	6345-866-101-500	1	428
6310-0-0079	6345-810-101-500	1	428
6310-0-0080	6345-825-101-500	1	428
6310-0-0081	6345-24G-101-500	1	428
6310-0-0092	6351-825-101-500	1	429
6310-0-0093	6353/20-860-500	1/10	430
6310-0-0094	6353/30-860-500	1/10	430
6310-0-0095	6353/40-860-500	1/10	431
6310-0-0096	6353/50-860-500	1/10	431
6310-0-0097	6354 U-500	1	430
6310-0-0098	6355 U-500	1	430
6310-0-0099	6356 U-500	1	430
6310-0-0106	6340-866-101-500	1	428
6310-0-0107	6340-810-101-500	1	428
6310-0-0108	6340-825-101-500	1	428
6310-0-0109	6340-24G-101-500	1	428
6310-0-0114	6341-866-101-500	1	428

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6310-0-0116	6341-825-101-500	1	428
6310-0-0117	6341-24G-101-500	1	428
6310-0-0122	6342-866-101-500	1	428
6310-0-0123	6342-810-101-500	1	428
6310-0-0124	6342-825-101-500	1	428
6310-0-0125	6342-24G-101-500	1	428
6310-0-0130	6344-866-101-500	1	428
6310-0-0131	6344-810-101-500	1	428
6310-0-0132	6344-825-101-500	1	428
6310-0-0133	6344-24G-101-500	1	428
6310-0-0135	6346/10-101-500	1	429
6310-0-0137	6346/11-101-500	1	429
6310-0-0139	6346/12-101-500	1	429
6310-0-0144	6348-860-101-500	1	428
6310-0-0145	6348-810-101-500	1	428
6310-0-0146	6348-825-101-500	1	428
6310-0-0147	6348-24G-101-500	1	428
6310-0-0152	6349-860-101-500	1	429
6310-0-0153	6349-810-101-500	1	429
6310-0-0154	6349-825-101-500	1	429
6310-0-0155	6349-24G-101-500	1	429
6310-0-0157	6350-825-101-500	1	429
6310-0-0162	6352-860-101-500	1	429
6310-0-0163	6352-810-101-500	1	429
6310-0-0164	6352-825-101-500	1	429
6310-0-0165	6352-24G-101-500	1	429
6320-0-0002	6320/10-20-500	1	431
6320-0-0004	6320/10-24G-500	1	431
6320-0-0006	6320/10-79-500	1	431
6320-0-0008	6320/10-83-500	1	431
6320-0-0010	6320/10-260-500	1	431
6320-0-0012	6320/30-20-500	1	431
6320-0-0014	6320/30-24G-500	1	431
6320-0-0016	6320/30-79-500	1	431
6320-0-0018	6320/30-83-500	1	431
6320-0-0020	6320/30-260-500	1	431
6320-0-0022	6320/38-20-500	1	431
6320-0-0024	6320/38-24G-500	1	431
6320-0-0026	6320/38-79-500	1	431
6320-0-0028	6320/38-83-500	1	431
6320-0-0030	6320/38-260-500	1	431
6320-0-0032	6320/50-20-500	1	432
6320-0-0034	6320/50-24G-500	1	432
6320-0-0036	6320/50-79-500	1	432
6320-0-0038	6320/50-83-500	1	432
6320-0-0040	6320/50-260-500	1	432
6320-0-0042	6320/58-20-500	1	432
6320-0-0044	6320/58-24G-500	1	432
6320-0-0046	6320/58-79-500	1	432
6320-0-0048	6320/58-83-500	1	432
6320-0-0050	6320/58-260-500	1	432
6401-0-0049	6401 U-102-500	1/10	413
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6401-0-0055	6404 U	1	411
6410-0-0203	A 6482	1	383
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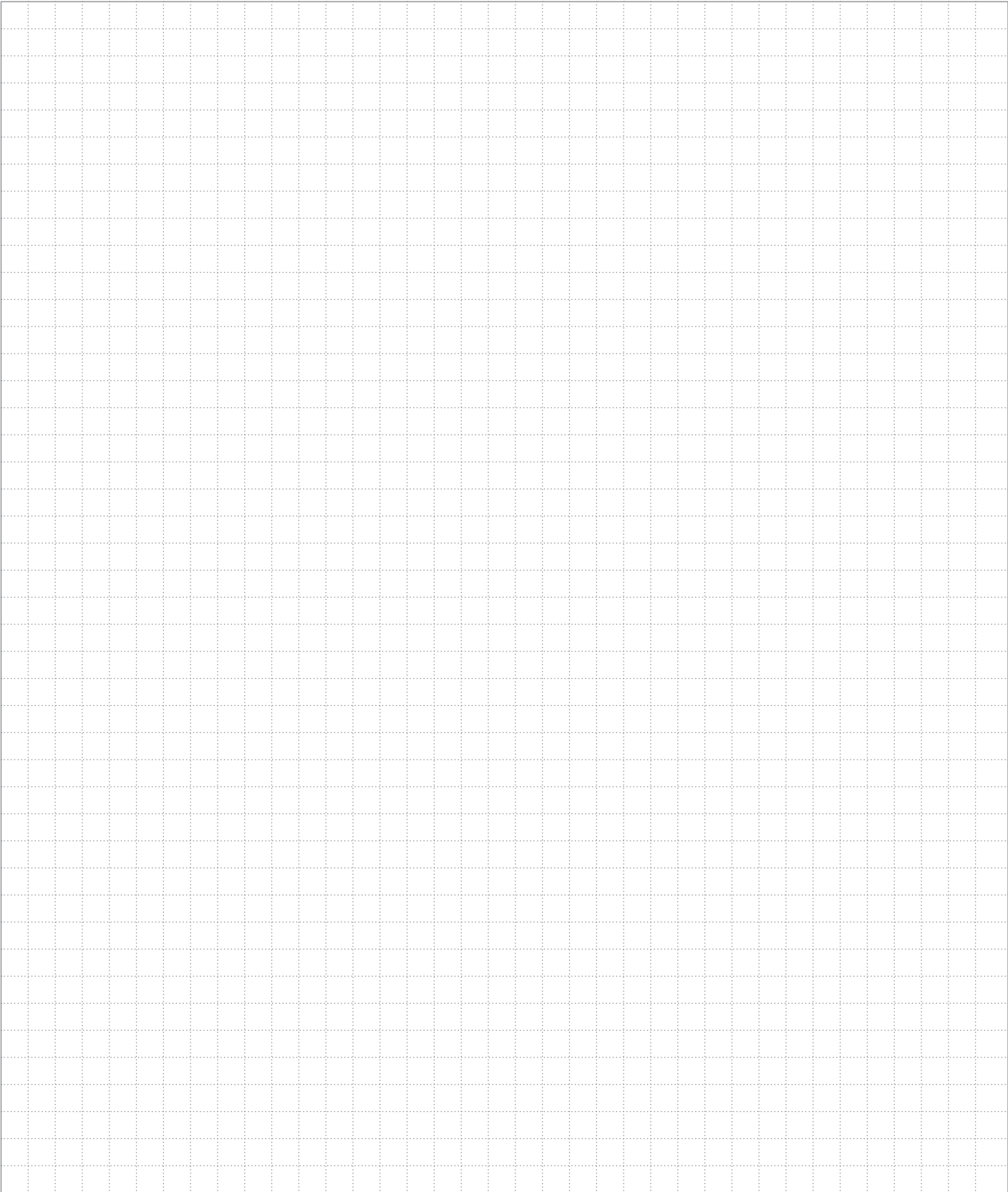
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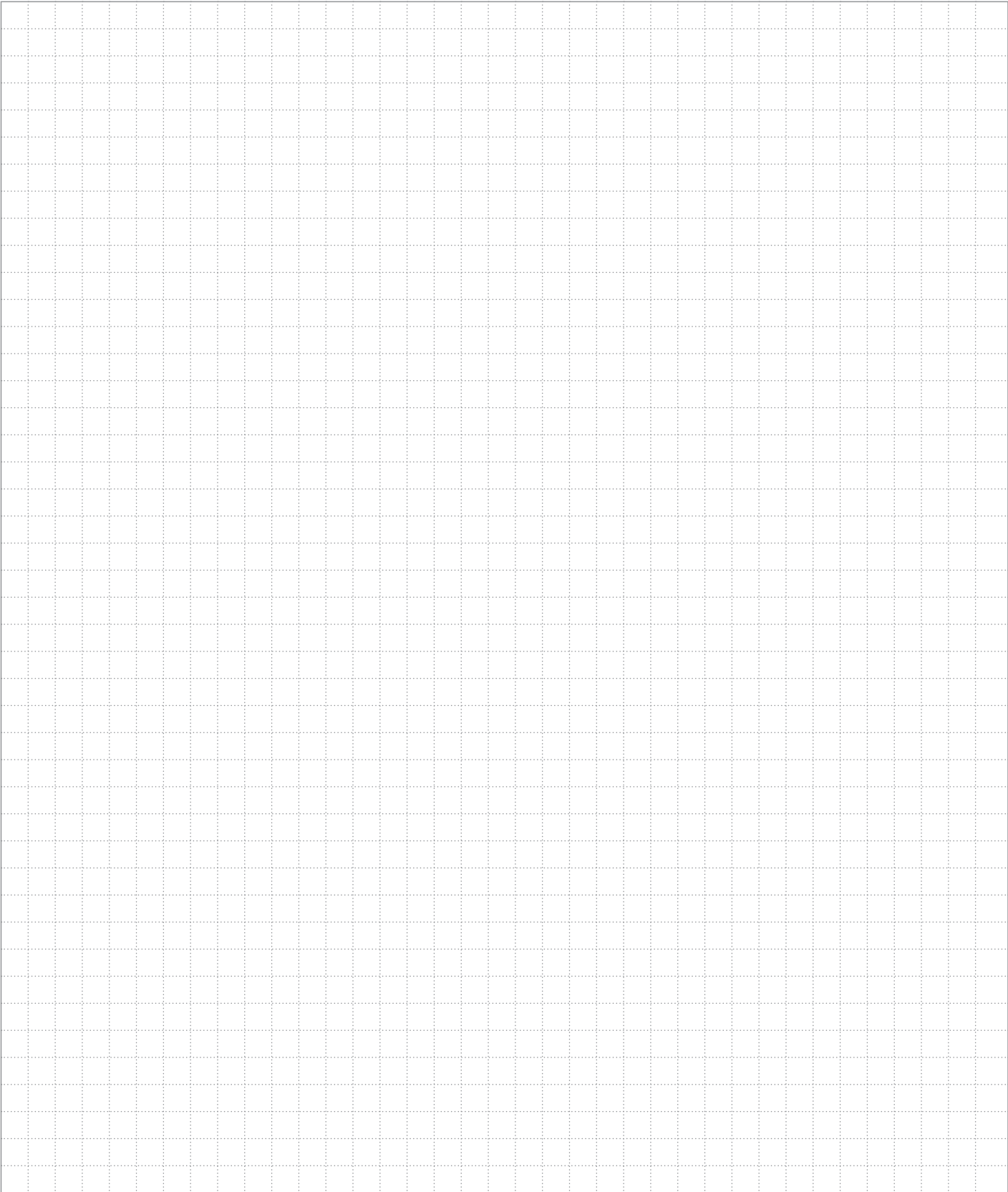
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