




ABB i-bus[®] KNX
Smart Home and
Intelligent Building Control
Product Range Overview 2011/2012

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Product data, technical data, manuals and specification texts for ABB i-bus® devices are available free of charge on DVD or on the Internet: www.abb.com/knx

ABB i-bus® KNX Power Supplies


Type	Detail	Order code	PG	MW
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Power Supply, 160 mA, MDRC
Power supply with integrated choke. Quick diagnostics via LED display for operational readiness and fault. Ideal for small systems or for supplying main and area lines.

2CDC 071 056 F0007


SV/S 30.160.5	2CDG 110 085 R0011	26	4
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Power Supply, 320 mA, MDRC
Compact power supply with integrated choke for small systems. Quick diagnostics via LED display for operational readiness and fault.

SK 0040 B02


SV/S 30.320.5	GH Q631 0038 R0111	26	4
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Power Supply, 640 mA, MDRC
Power supply with integrated choke for supplying a bus line. Quick diagnostics via LED display for operational readiness and fault. The device has an additional 30 V DC output to supply a second line in conjunction with a separate choke.

SK 0038 B02


SV/S 30.640.5	GH Q631 0048 R0111	26	6
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Choke, MDRC
The device can be used together with the SV/S 30.640.5 to supply a second line. Integrated reset button for resetting the bus devices. Connection via connection terminals.

2CDC 071 231 F0004


DR/S 4.1	2CDG 110 029 R0011	26	2
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Commissioning Power Supply, 28 V DC, 30 mA
For temporary power supply of KNX devices during commissioning. The Euroconnector and plug-in terminal provide faster connection and supply of devices with manual operation (e.g. FCA/S).

2CDC 071 085 F0008

NTI/Z 28.30.1	2CDG 110 096 R0011	26	–
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Uninterruptible Power Supply, 640 mA, MDRC
Power supply with integrated choke for supplying a bus line from an uninterrupted supply. Quick diagnostics via LED display for operational readiness, fault and battery level as well as a floating contact for a fault signal indication. The accumulator module or up to 2 rechargeable batteries can be charged in normal operation by the voltage supply. The bus voltage is provided by the batteries in the event of a mains failure.

SK 0037 B02

SU/S 30.640.1	GH Q631 0049 R0111	26	8
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Type	Detail	Order code	PG	MW
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Uninterruptible Power Supply, 12 V DC, 2 A, MDRC
For provision of an uninterruptible SELV 12 V DC supply with a max. output current of 2 A. Particularly suitable for supply of security technology components or as an auxiliary supply for KNX devices. The supply voltage is provided by the batteries in the event of a mains failure.

2CDC 071 077 S0009


NTU/S 12.2000.1	2CDG 110 070 R0011	26	8
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Battery Module, 12 V DC, MDRC
With lead-gel battery for use in uninterruptible power supply SU/S 30.640.1 and for maintaining the bus voltage during a mains failure for 10 minutes (at full load). Connection is made via 4-core standard cable.

SK 0038 B02


AM/S 12.1	GH Q631 0062 R0111	26	8
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Cable Sets
For connection of sealed lead gel batteries SAK7, SAK12 and SAK17 to the uninterruptible EIB power supply SU/S 30.640.1 or the uninterruptible power supply NTU/S 12.2000.1. If only one battery is connected, the basic cable set KS/K 4.1 with integrated temperature sensor is to be used. In case two batteries are connected in parallel, the basic cable set KS/K 4.1 is to be used for the first battery and the extension cable set KS/K 2.1 is to be used for the second battery. It is not permitted to connect more than two batteries in parallel.

SK 0038 B02


KS/K 4.1	Basic	GH Q630 1910 R0001	20	–
KS/K 2.1	Extension	GH Q630 1910 R0011	20	–



Sealed Lead Acid Batteries, 12 V DC
For maintaining the bus voltage during a mains failure. For connection to the uninterruptible power supply SU/S 30.640.1 or the uninterruptible power supply NTU/S 12.2000.1. A maximum of two batteries of the same type can be connected in parallel. For connection, the cable sets KS/K 4.1 and KS/K 2.1 are to be used.

SK 0252 B01

SAK7	7 Ah	GH V924 0001 V0011	50	–
SAK12	12 Ah	GH V924 0001 V0012	50	–
SAK17	17 Ah	GH V924 0001 V0013	50	–



Power Supply Units, MDRC
The supply units that can be used universally as the auxiliary power supply in KNX installations or other SELV applications. The devices supply a regulated output voltage of 12 V DC or 24 V DC with a maximum output current of 1.6 A or 0.8 A. The units are protected against overload, the output being able to sustain a continuous short circuit. LED indication of the status of the supply and output voltage.

SK 0163 B00

NT/S 12.1600	12 V DC, 1.6 A	GH Q605 0056 R0002	20	4
NT/S 24.800	24 V DC, 0.8 A	GH Q605 0057 R0002	20	4

ABB i-bus® KNX System Components and Interfaces

Type	Detail	Order code	PG	MW
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Bus Coupler, FM

For Busch-priOn® base frame
1-fold 6346/10-10x and control elements
6122/0x-xxx, 6124/0x-xxx, 6125/0x-xxx, 6126/0x-xxx,
6127/0x-xxx, 6128/0x-xxx and 6129/0x-xxx.



6120/12-101-500		6120-0-0075	26	–
6120/12-101-508	Version for Switzerland	6120-0-0076	26	–



Power Bus Coupler, FM, Busch-priOn®

For Busch priOn® base frame 1-fold, 2-fold and 3-fold.
Separate power supply required. The KNX connection is
used exclusively for bus communication.

6120/13-500		6120-0-0072	26	–
6120/13-508	Version for Switzerland	6120-0-0073	26	–



Line Coupler, MDRC

The line coupler is used in larger installations to connect
KNX lines or areas. The lines or areas are galvanically
isolated from one another. Telegrams can be filtered to
simultaneously reduce the telegram traffic between lines
or areas. The LK/S 4.1 features connections to main and
subline via bus connection terminals.
Within a line, the LK/S 4.1 can also be used as a line
amplifier (repeater).

LK/S 4.1		2CDG 110 027 R0011	26	2
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IP Router, MDRC

The IP Router is the interface between the KNX
installations and the IP networks. It can be used as a
quick line or area coupler or utilise the local network
(LAN) for quick 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
can be fixed or received from a DHCP server.
The device requires a 12 to 30 V DC power supply.

IPR/S 2.1		2CDG 110 061 R0011	26	2
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IP Interface, MDRC

Interface between the KNX installations and IP networks
for programming KNX devices in conjunction with ETS
3.0 or for transferring telegrams to/from the LAN (e.g. for
visualisation). The device uses the EIBnet/IP protocol of
the KNX Association (Tunnelling).
The IP address can be fixed or received from a DHCP
server.
The device requires a 12 to 30 V DC power supply.

IPS/S 2.1		2CDG 110 098 R0011	26	2
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Type	Detail	Order code	PG	MW
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IP Switch, Master, MDRC

IP Switch Master for MDRC installation.
For networking of up to 5 end devices.
Can be extended to 10 end devices by side connection
of the IP Switch Slave (ISS/S). One of the ports is a
Gigabit Ethernet enabled and can serve as an uplink port.

ISM/S 5.1		2CDG 120 034 R0011	20	6
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IP Switch, Slave, MDRC

IP Switch Slave for MDRC installation.
For networking of up to 5 end devices.
Can be side connected to the IP Switch Master (ISM/S),
accordingly can be extended to 10 end devices. The
slave is only functional together with the master

ISS/S 5.1		2CDG 120 035 R0011	20	6
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IP Patch Module, MDRC

The IP Patch Module consists of an RJ-45 module and a
mounting adapter for rail mounting.

IPM/S 1.1		2CDG 120 036 R0011	20	1
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USB Interface, MDRC

For connection of a PC via the USB port for programming
and diagnostics from ETS3. Display of connection and
data transfer via LED.

USB/S 1.1		2CDG 110 008 R0011	26	2
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Commissioning Interface / Adapter

For local commissioning of the Bus Coupler
6120/12-101-500 and 6120/13-500 via USB port or
via SD card slot.
With integrated battery for independent operation for up
to 8 h.

6149/21-500		6133-0-0201	26	–
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Optical Fibre Interface, MDRC

The device is used to couple two sections of an bus line
using an optical fibre link.
Ideal for bridge longer distances or to avoid having to
implement lightning and overvoltage protection when
laying cables between buildings. Two devices are needed
to complete a transmission link.

LL/S 1.1		GH Q605 0053 R0001	20	4
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ABB i-bus® KNX

Connection and Wiring

Type	Detail	Order code	PG	MW
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Diagnosis and Protection Module, MDRC

Enables quick diagnosis of the bus state and indicates telegram traffic via an LED. A bus fault is indicated by contacts. The DSM also suppresses transient overvoltages and interference voltage spikes on the bus and thus protects the connected devices.

DSM/S 1.1		2CDG 110 060 R0011	26	2
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Wiring Jumpers

For the interconnection of devices with a bus connection terminal. The vertical and horizontal versions are matched to typical wiring applications.

VB/K 100.1	horizontal, 100 mm	GH Q630 1908 R0003	20	2
VB/K 200.1	horizontal, 200 mm	GH Q630 1908 R0001	20	4
VB/K 270.1	vertical, 270 mm	GH Q630 1908 R0002	20	—
VB/K 360.1	NEW vertical, 360 mm	GH Q630 1908 R0004	20	—



Busbars

For interconnection of the phase supply to multiple input terminals on devices such as SD/S, SA/S, 6197, They reduce the wiring effort and ensure safe interconnection. The PS 1/4/6 is prefabricated and can be used immediately. The PS 1/60/6 is cut to the desired length and sealed with end caps.

PS 1/4/6-KNX	1 phase, 4 contacts	2CDG 924 003 R0011	20	—
PS 1/60/6-KNX	1 phase, 60 contacts	2CDG 924 004 R0011	20	—
PS-END 1-S	End cap	2CDL 000 001 R0001	5	—

Type	Detail	Order code	PG	MW
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Bus Connection Terminals

For connecting bus devices as well as for looping through or branching the bus cable. Available in black/red for use as bus connecting terminal and in white/yellow for use as a connecting terminal.

BUSKLEMME	black/red	GH Q630 1901 R0001	20	—
KLEMME	white/yellow	GH Q630 1902 R0001	20	—

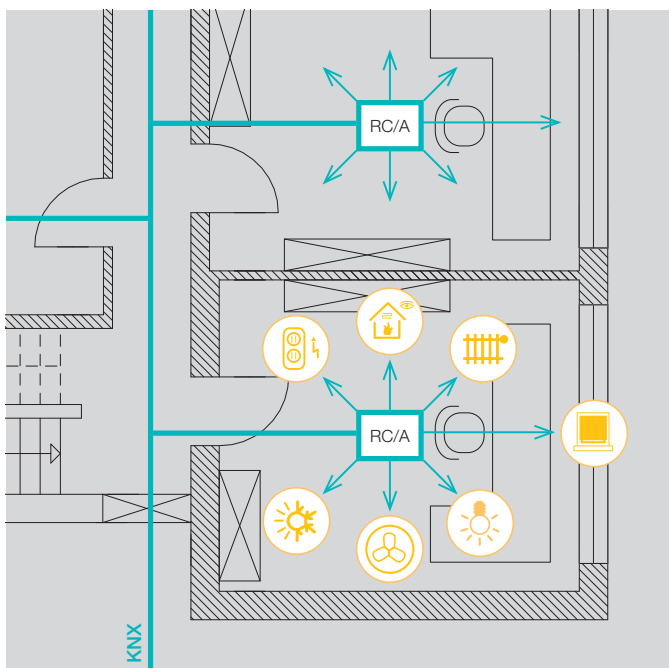


Surge Arrester

Protects bus devices against overvoltage in conjunction with a surge protector.

US/E 1		GH Q631 0009 R0001	20	—
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More Security Through Flexibility During Planning, Commissioning and Operation



The fundamental principle: One device per room

A single Room Controller controls all the room functions. This “one device per room” principle economically and flexibly provides KNX functionality: With 4 or 8 modules, which are simply inserted into the basis device, all loads in this room (lights, blinds, heating, etc.) can be controlled.

Economic security from the outset

The installation concept of the Room Controller, particularly the simple plug-in module concept, provides security and reliability.

When planning the infrastructure of a building:

It can be undertaken without exact knowledge of the subsequent user demands.

During commissioning:

When user demands have been determined, they are implemented by simple insertion of modules.

In operation in a building:

Modifications to the room utilisation are easy to implement. The changes to the cable routing are limited to the room concerned.



Improved fire protection included

The significant reduction in the wiring also considerably reduces the fire load and thus improves safety for persons and assets.

Save on energy and not on comfort

Each room is used differently. The different module assignments of the Room Controller can be configured accordingly. Just three examples of special building functions that can be implemented with the device:

In the lighting sector

Constant lighting control is not the only conceivable solution. A high level of comfort can be assured by the control of different light scenes.

Blinds and roller shutters

Not only do they provide pleasant shading, they also assist in responsible use of energy. Intelligent facade controls move the blinds to suit the position of the sun.

Heating/Ventilation/Air conditioning

The control of electrothermal valves on radiators is no problem for the “electronic switch actuator” module of the Room Controller. The ventilation can also be integrated into this automatic control.

ABB i-bus® KNX Room Automation

Overview of switching performance

	SA/M 2.6.1	SA/M 2.16.1	SD/M 2.6.2	LR/M 1.6.2	UD/M 1.300.1	ES/M 2.230.1	ES/M 2.24.1
Outputs							
Load circuits	2 relay outputs	2 relay outputs, floating	2 relay outputs	1 relay output	Semiconductor output, dimmed via phase interval or phase control	2 semiconductor outputs for resistive loads, inrush current: max. 1 A, continuous current: max. 700 mA	
U_n rated voltage	250/440 V AC	250/440 V AC	250/440 V AC	250/440 V AC			
I_n rated current	6 AX	16 A	6 AX	6 AX			
Control outputs			2 x 1...10 V DC (passive)		1 x 1...10 V DC (passive)		
Max. control current			30 mA	30 mA	Max. output power 300 VA at 230 V AC 150 VA at 127 V AC Min. output power: 2 VA		
Max. cable length			100 m	100 m			
Switching current per output							
AC3 operation (cos φ = 0.45) EN 60 947-4-1	10 A / 230 V	8 A / 230 V	10 A / 230 V	10 A / 230 V			
AC1 operation (cos φ = 0.45) EN 60 947-4-1	16 A / 230 V	16 A / 230 V	16 A / 230 V	16 A / 230 V			
Fluorescent lighting load AX to EN 60 669	6 A / 250 V (70 μ F)	16 A / 250 V (70 μ F)	6 A / 250 V (70 μ F)	6 A / 250 V (70 μ F)			
Minimum switching capacity	100 mA / 12 V 100 mA / 24 V	100 mA / 12 V 100 mA / 24 V	100 mA / 12 V 100 mA / 24 V	100 mA / 12 V 100 mA / 24 V			
DC current switching capacity (resistive load)	6 A / 24 V=	16 A / 24 V=	6 A / 24 V=	6 A / 24 V=			
Lamp loads at 230 V AC							
– Incandescent lamp load	1380 W	2300 W	1380 W	1380 W			
Fluorescent lamps T5 / T8							
– Uncompensated	1380 W	2300 W	1380 W	1380 W			
– Parallel compensated	1380 W	1500 W	1380 W	1380 W			
– DUO connection	1380 W	1500 W	1380 W	1380 W			
Low-volt halogen lamps							
– Inductive transformer	1200 W	1200 W	1200 W	1200 W			
– Electronic transformer	1380 W	1500 W	1380 W	1380 W			
– Halogen lamp 230 V	1380 W	2300 W	1380 W	1380 W			
Dulux lamp							
– Uncompensated	1100 W	1100 W	1100 W	1100 W			
– Parallel compensated	1100 W	1100 W	1100 W	1100 W			
Mercury-vapour lamp							
– Uncompensated	1380 W	2000 W	1380 W	1380 W			
– Parallel compensated	1380 W	2000 W	1380 W	1380 W			
Switching capacity							
– Max. peak inrush-current I_p (150 μ s)	400 A	400 A	400 A	400 A			
– Max. peak inrush-current I_p (250 μ s)	320 A	320 A	320 A	320 A			
– Max. peak inrush-current I_p (600 μ s)	200 A	200 A	200 A	200 A			
Number of electronic ballasts (T5/T8, single element)							
– 18 W (e.g. ABB EVG 1x18 CF)	23	23	23	23			
– 24 W (ABB EVG-T5 1x24 CY)	23	23	23	23			
– 36 W (ABB EVG 1x36 CF)	14	14	14	14			
– 58 W (ABB EVG 1x58 CF)	11	11	11	11			
– 80 W (Helvar EL 1x80 SC)	10	10	10	10			

Further technical specifications can be found in the corresponding product manuals at www.abb.com/knx


ABB i-bus® KNX Room Automation

Type	Detail	Order code	PG	MW
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Room Controller


The Room Controller controls all the functions in the room as a central device. Due to its modular design, it can be adapted flexibly to the required functionality. On-site installation enables short assembly and commissioning times. A structured cable entry creates clarity and flexibility for changes in function – both during planning and operation.



Room Controller, Basis Device for 8 Modules, SM

It accommodates up to 8 plug-in modules and controls their functions. Any module type can be plugged into each module slot. The inserted module is automatically detected. The manual operation facility enables an immediate function test even when bus voltage is not applied.


- Special features**
- Height 50 mm: optimised for underfloor installation or suspended ceilings
 - Room Controller counts as just one bus device
 - Robust housing, IP 54 degree of protection
 - Manual operation for immediate testing – even without bus voltage
 - Comprehensive software functionality



Room Controller, Basis Device for 4 Modules, SM

It accommodates up to 4 plug-in modules and controls their functions. The RC/A 4.2 communicates as a bus device. Any module type can be plugged into each module slot. A manual control for module function test is integrated.


RC/A 8.2	2CDG 110 106 R0011	26	–
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Binary Input Modules, 4-fold

Each of the modules provides 4 inputs. There are 3 module types available for the connection of 115/230 V, 12/24 V (AC or DC) or floating contacts to cover all demands.


RC/A 4.2	2CDG 110 104 R0011	26	–
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Switch Actuator Module, 2-fold, 6 A

For switching loads up to 16 A at a maximum continuous current of 6 A.


BE/M 4.230.1	230 V	2CDG 110 005 R0011	26	–
BE/M 4.24.1	12/24 V	2CDG 110 006 R0011	26	–
BE/M 4.12.1	Contact scanning	2CDG 110 007 R0011	26	–



Switch Actuator Module, 2-fold, 16 A, floating contacts

For switching two loads up to 16 A. The switched voltage is independent of the basic device and is connected directly to the module.

SA/M 2.6.1	2CDG 110 002 R0011	26	–
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Switch Actuator Module, 2-fold, 16 A, floating contacts

For switching two loads up to 16 A. The switched voltage is independent of the basic device and is connected directly to the module.

SA/M 2.16.1	2CDG 110 100 R0011	26	–
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Type	Detail	Order code	PG	MW
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Shutter Actuator Modules, 2-fold

For controlling two independent blind or shutter drives. There are two module types available for 115/230 V AC or 24 V DC drives.


JA/M 2.230.1	230 V AC	2CDG 110 003 R0011	26	–
JA/M 2.24.1	24 V DC	2CDG 110 004 R0011	26	–



Switch/Dim Actuator Module, 2-fold, 6 AX

It enables the switching and dimming of two groups of luminaires in conjunction with electronic ballasts via a 1...10 V control voltage. Enhanced switching capacity. (Replaces the SD/M 2.6.1).


SD/M 2.6.2	2CDG 110 107 R0011	26	–
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Light Controller Module, 1-fold, 6 AX

Enables switching and dimming of a lighting group via 1...10 V control voltage. The device can be used for constant lighting control in conjunction with Light Sensor LF/U 2.1. (Replaces the LR/M 1.6.1).


LR/M 1.6.2	2CDG 110 108 R0011	26	–
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Light Sensor, FM

Used for implementing constant lighting control applications in conjunction with the Light Controller module. The scope of delivery includes different optical rods, the connection terminals and the cover for discrete fitting in a room.


LF/U 2.1	2CDG 110 089 R0011	26	–
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Universal Dim Actuator Module, 1-fold, 300 VA

For dimming incandescent lamps, 230 V or low-voltage halogen lamps up to 300 W/VA. The automatic load detection detects the connected load and optimises the control. The minimum load is just 2 W.

UD/M 1.300.1	2CDG 110 012 R0011	26	–
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Electronic Switch Actuator Module, 2-fold

With 2 overload-proof outputs for noiseless control of heating systems and chilled ceilings via thermoelectric valve drives. Two module types for voltages from 115/230 V or 24 V (AC or DC) are available.

ES/M 2.230.1	115/230 V	2CDG 110 013 R0011	26	–
ES/M 2.24.1	24 V	2CDG 110 014 R0011	26	–

ABB i-bus® KNX Room Automation

Room Master

The Room Master is a KNX device with a combination of inputs and outputs. The quantities, technical data and the functions of these inputs and outputs are compiled, so that overall control of all the functions in rooms of a live-in character or apartments, are implemented via a device. Typical areas of application of the Room Master are hotel rooms, hospital rooms as well as apartments in institutions for residential care or in student residential homes. The Room Master with its compact design covers all the basic requirements for

- Lighting control
- Heating/Air conditioning
- Shading control (shutters, blinds or curtains - with the RM/S 2.1)
- Control of further loads via switched electrical sockets

Function extensions are possible at any time, e.g. devices for dimming via ABB i-bus® KNX.

	RM/S 1.1	RM/S 2.1	Application possibilities
Binary inputs via contact scanning	8	18	For connection of switches or push-buttons (light on/off, shutter up/down, bathroom fan on/off, master on/off, etc.) or sensors (window contacts, door contacts, water sensors, condensation water sensors, hotel card readers, etc.)
Switching outputs			
20 A (16 AX)	1	3	Bathroom fan, switching of electrical sockets
16 A (10 AX)	2	1	Auxiliary electrical heating of fan-coil units, lighting
6 A	3	12	3-speed fan control (fan-coil), lighting
0.5 A electronic	4	4	Valve control (heating, cooling)
6 A changeover contact	–	1	Blind or roller blind control

The innovative concept of the Room Master RM/S 2.1 facilitates the execution of predefined room states using one of the binary inputs or using a KNX group address, e.g. from reception. After the room state is recalled, all functions in the room, e.g. illumination, energy supply, blinds, heating or ventilation are adapted to the parametrization settings.

The Room Master has internal device connections between the inputs and outputs. Group addresses are not required for this internal communication. This prevents unnecessary loading of the bus.

The standard configuration of the Room Master RM/S 2.1 includes eight preconfigured room states. The special feature: All standard functions are activated immediately after connection of the RM/S 2.1, i.e. the room/apartment features can be immediately operated and controlled.

Further information concerning the Room Master can be found at www.abb.de/knx.

Type	Detail	Order code	PG	MW
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Room Master, Basic, MDRC

RM/S 1.1		2CDG 110 094 R0011	26	8
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Room Master, Premium, MDRC

RM/S 2.1		2CDG 110 095 R0011	26	12
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Type	Detail	Order code	PG	MW
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Room Thermostat
Fan Coil with Display, SM

Sends control values for the room to the Fan Coil Actuators or devices with the respective outputs (e.g. Room Master).

The intuitive control operation allows each user to individually set the room temperature and the fan speed. The large LC display can display the actual and target temperatures, the current operating mode as well as the fan speeds.

6138/11-83-500	aluminium silver	6138-0-0005	26	–
6138/11-84-500	davos/studio white	6138-0-0003	26	–

ABB i-bus® KNX Binary Inputs



Application

Operation of KNX systems via conventional push buttons and switches
 Processing of binary signals (signalling contacts)

Benefits

Flexible application due to wide-range inputs
 Reduced stock requirement due to streamlined product range
 Simplified commissioning using the copy function

Product

BE/S 4.20.2.1 with 4 inputs for contact scanning and manual operation
 BE/S 4.230.2.1 with 4 wide-range inputs and manual operation
 BE/S 8.20.2.1 with 8 inputs for contact scanning and manual operation
 BE/S 8.230.2.1 with 8 wide-range inputs and manual operation

Wide-range inputs and a streamlined range – The new ABB i-bus® KNX Binary Inputs.

ABB i-bus® KNX Binary Inputs serve as an interface for operation of KNX systems via conventional push buttons and switches as well as for processing binary signals (signalling contacts).

In contrast to the existing solutions, where the input voltages of 24 V and 230 V required separate devices, the new Binary Inputs now feature **wide-range inputs**, which can process voltage signals ranging from 10 to 230 V AC/DC. This offers the **installer significantly greater flexibility**.

In addition to two devices with 4 and 8 wide-range inputs, the new ABB i-bus® KNX Binary Input product range is rounded off by two devices with 4 and 8 inputs with scanning voltage. On these types, a pulsed scanning voltage is provided for connection of floating contacts from the device.

With an identical range of applications, the number of ABB i-bus® KNX Binary Inputs is now reduced from 6 types to 4.

All Binary Inputs feature a **high-quality membrane keypad for comfortable manual operation and display of the device functions**. Input states can be simulated at the device, so that the conventional push buttons, switches or floating contacts do not need to be connected for commissioning purposes. The device functions can be easily tested during commissioning in this way.

The Binary Inputs are powered via the KNX and do not require an additional power supply.

The software functionality of the Binary Inputs has also been extended. It is now possible to send **several switching telegrams with just a single push of a button**.

Especially useful, just as in the case of the Switch Actuators, it is also possible **to copy the channels of the device in the ETS**. The parameters and group addresses of a channel can be simply transferred to other channels in this way. This simplifies project engineering and helps reduce sources of error.

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 Inputs

Type	Detail	Order code	PG	MW
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2CDC 071 010 F0010

Binary Inputs, 10 – 230 V AC/DC, MDRC

Detects AC/DC signals in the voltage range from 12...230 V. The state of the input is displayed via yellow LEDs. The binary inputs enable detection of independent input signals. The devices feature a manual operation pushbutton for each channel. The devices are powered via the ABB i-bus® and do not require an additional power supply.

BE/S 4.230.2.1	4-fold	2CDG 110 091 R0011	26	2
BE/S 8.230.2.1	8-fold	2CDG 110 093 R0011	26	4



2CDC 071 011 F0010

Binary Inputs, Contact Scanning, MDRC

Scans floating contacts with internally generated scanning voltage. The state of the input is displayed via yellow LEDs. The binary inputs enable detection of independent input signals. The devices feature a manual operation pushbutton for each channel. The devices are powered via the ABB i-bus® and do not require an additional power supply.

BE/S 4.20.2.1	4-fold	2CDG 110 090 R0011	26	2
BE/S 8.20.2.1	8-fold	2CDG 110 092 R0011	26	4



SK 0093 B02

Universal Interface, FM

The universal interface has 2, 4 or 12 channels which can be parametrised as inputs or outputs with the ETS software. Conventional push-buttons, auxiliary contacts, LEDs and the electronic relay ER/U can be connected. The connecting cables can be extended up to 10 m. The contact scanning voltage and the supply voltage for the LEDs are made available by the device, the series resistors for the LEDs are integrated.

US/U 2.2	2-fold	GH Q631 0074 R0111	26	-
US/U 4.2	4-fold	GH Q631 0070 R0111	26	-
US/U 12.2	12-fold	2CDG 110 065 R0011	26	-

Type	Detail	Order code	PG	MW
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2CDC 071 174 F0004

Analogue Input, 4-fold, MDRC

It is used to detect and process 4 independent analogue input signals according to 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-wire technology and floating contacts). The 24 V DC voltage for the sensors (max. 300 mA) is also supplied by the device. The mains voltage supply is 115 ... 230 V AC, 50/60 Hz.

AE/S 4.2		2CDG 110 030 R0011	26	4
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2CDC 071 022 F0008

Analogue Input, 2-fold, SM

It is used wherever analogue variables should be detected on a distributed basis. The sophisticated housing concept enables quick and clear wiring and improves the speed for connection of the sensors. Comprehensive range of adjustment for many typical sensors (1 – 10 V, 0(4) – 20 mA, 0 – 1 V, PT 100, PT 1000, ...) for detection of temperature, brightness, fill levels, etc. A separate auxiliary voltage supply is required for active sensors.

AEA 2.1		2CDG 110 086 R0011	26	-
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2CDC 071 175 F0004

Weather Station, 4-fold, MDRC

All common weather sensors for wind speed, wind direction, rain, amount of rain, brightness, light intensity, pyranometers, twilight, air pressure, humidity or temperature can be connected to the device. The power supply generates the 24 V DC voltage for external sensors (max. 300 mA). The device can be operated with 115 to 230 V AC, 50/60 Hz. The application software is configured for the detection of weather based data and enables quick sensor programming.

WS/S 4.1		2CDG 110 032 R0011	26	4
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2CDC 071 201 F0004

Weather Unit, MDRC

It is used to detect and process weather data from weather sensor. It supplies data for twilight and brightness levels in 3 directions, rain, temperature, information on day/night, wind speed, date and time (DCF radio receiver). Four value memories which can store up to 24 values each are available. The Weather Unit WZ/S 1.1 is has been configured for the Weather Sensor WES/A and supplies it with power. The device can be operated optionally with a operating voltage of 115 to 230 V AC, 50/60 Hz.

WZ/S 1.1		2CDG 110 034 R0011	26	4
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2CDC 071 089 F0009

Weather Sensor, SM

The Weather Sensor WES/A 1.1 detects twilight, brightness in three directions, rain, temperature, day/night, wind speed and the date and time using the radio receiver. An additional heating transformer is not required.

WES/A 2.1		2CDG 120 033 R0011	20	-
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ABB i-bus® KNX Switch Actuators

A Complete Range



Switch Actuators are responsible for reliable switching of different electrical loads in the KNX system. Many different load situations are possible. ABB offers a suitable Switch Actuator for all application areas. The range has been rounded off with a new series. Now 16/20 AX C-Load Switch Actuators with and without a current detection feature are available; each featuring 2, 4, 8 or 12 outputs.

In the following table, you will find an overview of the ABB i-bus® Switch Actuators and their type designations:

16/20 AX C-Load with or without Current Detection				
–	SA/S 2.10.1	SA/S 2.16.1	SA/S 2.16.5.1	SA/S 2.16.6.1
SA/S 4.6.1	SA/S 4.10.1	SA/S 4.16.1	SA/S 4.16.5.1	SA/S 4.16.6.1
SA/S 8.6.1	SA/S 8.10.1	SA/S 8.16.1	SA/S 8.16.5.1	SA/S 8.16.6.1
SA/S 12.6.1	SA/S 12.10.1	SA/S 12.16.1	SA/S 12.16.5.1	SA/S 12.16.6.1

Note:

The codes represent the following:

SA/S x.y.z.w

x = number of outputs (2, 4, 8 or 12)

y = rated current in Ampere (6, 10, 16)

z = load type specification:

1 = type for resistive loads (AC1 switching capacity)

5 = type with higher switch capacity C-Load (200 µF)

6 = type with higher switch capacity C-Load (200 µF) and current detection

w = version number (optional)

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 2.10.1 SA/S 4.10.1	SA/S 2.16.1 SA/S 4.16.1	SA/S 2.16.5.1 SA/S 4.16.5.1	SA/S 2.16.6.1 SA/S 4.16.6.1
	SA/S 8.6.1	SA/S 8.10.1	SA/S 8.16.1	SA/S 8.16.5.1	SA/S 8.16.6.1
	SA/S 12.6.1	SA/S 12.10.1	SA/S 12.16.1	SA/S 12.16.5.1	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⁾	20A X (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 2.10.1 SA/S 4.10.1	SA/S 2.16.1 SA/S 4.16.1	SA/S 2.16.5.1 SA/S 4.16.5.1	SA/S 2.16.6.1 SA/S 4.16.6.1
	SA/S 8.6.1	SA/S 8.10.1	SA/S 8.16.1	SA/S 8.16.5.1	SA/S 8.16.6.1
	SA/S 12.6.1	SA/S 12.10.1	SA/S 12.16.1	SA/S 12.16.5.1	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	–	■	■	■	■
In 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 Outputs

Type	Detail	Order code	PG	MW
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2CDC 071 018 F0005

Switch Actuators, 6 A, MDRC

Using floating contacts it switches 4, 8 and 12 independent electrical loads in 2, 4 or 6 groups of 2 contacts each. The 6 A-AC3 devices are suited for switching resistive, inductive and capacitive loads.

SA/S 4.6.1	4-fold	2CDG 110 036 R0011	26	2
SA/S 8.6.1	8-fold	2CDG 110 037 R0011	26	4
SA/S 12.6.1	12-fold	2CDG 110 038 R0011	26	6



2CDC 071 013 F0005

Switch Actuators, 10 AX, MDRC

Switches 2, 4, 8 and 12 independent electrical loads using floating contacts. Every output can be operated manually and features display of the switching state. The 10AX-AC1 devices are especially suited for switching resistive, inductive and capacitive loads such as fluorescent lighting (AX) compliant to EN 60669.

SA/S 2.10.1	2-fold	2CDG 110 039 R0011	26	2
SA/S 4.10.1	4-fold	2CDG 110 040 R0011	26	4
SA/S 8.10.1	8-fold	2CDG 110 041 R0011	26	8
SA/S 12.10.1	12-fold	2CDG 110 042 R0011	26	12



2CDC 071 054 F0005

Switch Actuators, 16 A, MDRC

Switches 2, 4, 8 and 12 independent electrical loads using floating contacts. Every output can be operated manually and features display of the switching state. The 16A-AC1 devices are suited for switching resistive, inductive and capacitive loads.

SA/S 2.16.1	2-fold	2CDG 110 062 R0011	26	2
SA/S 4.16.1	4-fold	2CDG 110 063 R0011	26	4
SA/S 8.16.1	8-fold	2CDG 110 064 R0011	26	8
SA/S 12.16.1	12-fold	2CDG 110 082 R0011	26	12

Type	Detail	Order code	PG	MW
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2CDC 071 021 S0011

Switch Actuator, 16/20 AX, C-Load, MDRC

Uses floating contacts to switch independent electrical loads via ABB i-bus® KNX. Every output can be operated manually and features display of the switching state. The 16AX-AC3, C-Load devices are especially suited for switching loads with high surge currents such as luminaires with ballasts or fluorescent lighting (AX) according to EN 60669.

SA/S 2.16.5.1	2-fold	2CDG 110 132 R0011	26	2
SA/S 4.16.5.1	4-fold	2CDG 110 133 R0011	26	4
SA/S 8.16.5.1	8-fold	2CDG 110 134 R0011	26	8
SA/S 12.16.5.1	12-fold	2CDG 110 137 R0011	26	12



2CDC 071 017 S0010

Switch Actuator with Current Detection, 16/20 AX, C-Load

Switches with floating contacts, 2, 4, 8 or 12 independent electrical loads with high surge currents. The Switch Actuators feature a circuit for high precision current detection for each output that is used to monitor the connected circuits. Every output can be operated manually and features display of the switching state. The 16/20A, C-Load devices are especially suited for switching loads with high surge currents such as luminaires with ballasts or fluorescent lighting (AX) according to EN 60669.

SA/S 2.16.6.1	2-fold	2CDG 110 112 R0011	26	2
SA/S 4.16.6.1	4-fold	2CDG 110 113 R0011	26	4
SA/S 8.16.6.1	8-fold	2CDG 110 114 R0011	26	8
SA/S 12.16.6.1	12-fold	2CDG 110 138 R0011	26	12



2CDC 071 021 S0010

Energy Actuator, 3-fold, 16/20 AX, MDRC

Records the energy consumption of the connected electrical loads in the load circuit. Various electrical variables can be monitored and load peaks can be limited by simple load control. The 3 output channels can be manually operated and display the current switching state. The Energy Actuator can switch resistive, inductive and capacitive loads The switching capacity corresponds to the SA/S X.16.6.1. Further information, see page 40.

SE/S 3.16.1	2CDG 110 136 R0011	26	4
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2CDC 071 156 F0006

Analogue Actuator, 4-fold, MDRC

The device outputs receives telegrams as analogue signals via four analogue outputs, which can be used independently from one another as current or voltage outputs. With the analogue actuator module AAM/S, the number of analogue outputs can be increased to 8 outputs. The device requires an external 24 V power supply for operation.

AA/S 4.1	2CDG 120 005 R0011	20	4
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2CDC 230 005 F0006

Analogue Actuator Module, 4-fold, MDRC

The analogue actuator module extends the analogue actuator AA/S 4.1 to 8 analogue outputs. The outputs can be used independently from one another as current or voltage outputs. The device requires an external 24 V power supply for operation.

AAM/S 4.1	2CDG 120 006 R0011	20	4
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Blind/Roller Shutter Actuators For Sun Protection and Temperature Control

Modern building installation enables a high degree of functionality and simultaneously complies with increased security requirements. Due to the structured installation of the electrical components, it is possible to carry out rapid planning, installation and setup as well as achieve cost benefits during operation.

Modern sun protection devices have a significant role, as they must fulfil many demands:

- Anti-glare protection (e.g. PC workstations)
- Utilization of daylight by tracking the sun's position and directing available daylight
- Protecting furniture and carpets from fading,
- Regulating the room temperature (overheating protection in summer; harvesting the available energy on cold days)
- Providing protection from people looking in from the outside
- Protection against intruders.

With the new Blind/Roller Shutter Actuators JRA/S, the complex requirements on a sustainable and energy efficient automatic sun protection control can be implemented in offices, residential and functional buildings via ABB i-bus® KNX.

The Blind/Roller Shutter Actuators are ideal for the control of drives in the area of sun protection:

- Blinds, exterior blinds, slat blinds and panel curtains
- Roller shutters, roller blinds, screens, vertical blinds
- Awnings, pleated blinds, pleated curtains, etc.



Optimum room air quality via automatic ventilation

The demands for the reduction of energy consumption often results in poor ventilation in today's heavily insulated buildings. The quality of the room air does not comply with the desired and required level.

Natural ventilation is often an effective and efficient method for exchanging the "used" room air and improving the air quality in the room. If the air quality in the room is monitored with sensors (temperature, humidity, CO₂ concentration), the ventilation flaps can be opened automatically and in good time ensuring that the air quality is kept in a comfortable range.

Blind/Roller Shutter Actuators are ideal for control of ventilation elements such as

- Ventilation flaps
- Roof hatches, skylights
- Windows, doors and gates



Blind/Roller Shutter Actuators Innovations

Automatic travel detection

Travel times for the connected drives can be easily determined during operation with the automatic travel detection feature. It saves time during setup. Furthermore, compensation of age and weather-related length changes to blinds or roller shutters is assured. It facilitates precise positioning of the blinds/shutter when using sun position-dependent control.

Diagnostics

Enhanced diagnostic messages can be issued with the new Blind/Roller Shutter Actuators. They are particularly useful during setup or in the event of faults. It is possible, for example, to detect and signal if the power supply to a drive is interrupted.

Copy and exchange

This function allows parameter settings of an output to be copied or exchanged with other freely selectable outputs. This is possible within a device or in conjunction with several devices. Copy and exchange is useful particularly on projects, where all drives of a facade are controlled identically. It shortens the setup process and reduces the possible sources of error with parameterization.

Integration in the room temperature control

The intelligent and networked blind and roller shutter control plays an important role in the energy efficient usage of a building. The level of sunlight in the room and heating up due to the sun's energy can be controlled in conjunction with the room climate control. The new software function "overheat control" prevents unintentional overheating of a room. The blinds are closed in good time. The shutter control can be actively involved in the room temperature control – a requirement for implementing high-efficient buildings compliant to EN 15232.



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				
General parameterization options	X.230.5.1	4.24.5.1	X.230.2.1	X.230.1.1
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

ABB i-bus® KNX Shutters and Sun Protection

Type	Detail	Order code	PG	MW
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2CDC 071 011 S0011

Blind/Roller Shutter Actuator, 230 V AC, MDRC

NEW

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.

JRA/S 2.230.1.1	2-fold	2CDG 110 129 R0011	26	4
JRA/S 4.230.1.1	4-fold	2CDG 110 130 R0011	26	4
JRA/S 8.230.1.1	8-fold	2CDG 110 131 R0011	26	8



2CDC 071 014 S0011

Blind/Roller Shutter Actuator with Manual Operation, 230 V AC, MDRC

NEW

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/S 2.230.2.1	2-fold	2CDG 110 120 R0011	26	4
JRA/S 4.230.2.1	4-fold	2CDG 110 121 R0011	26	4
JRA/S 8.230.2.1	8-fold	2CDG 110 122 R0011	26	8



2CDC 071 017 S0011

Blind/Roller Shutter Actuator with Travel Detection and Manual Operation, 230 V AC, MDRC

NEW

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.

JRA/S 2.230.5.1	2-fold	2CDG 110 124 R0011	26	4
JRA/S 4.230.5.1	4-fold	2CDG 110 125 R0011	26	4
JRA/S 8.230.5.1	8-fold	2CDG 110 126 R0011	26	8



2CDC 071 019 S0011

Blind/Roller Shutter Actuator with Travel Detection and Manual Operation, 4-fold, 24 V DC, MDRC

NEW

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.

JRA/S 4.24.5.1		2CDG 110 128 R0011	26	4
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Type	Detail	Order code	PG	MW
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2CDC 071 027 F0006

SMI Shutter Actuator with Manual Operation, 4-fold, MDRC

It controls four independent groups (broadcast) with up to four SMI (Standard Motor Interface) drives (230 V) 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.

JAS 4.SMI.1M		2CDG 110 028 R0011	26	4
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2CDC 071 023 S0011

SMI Blind/Roller Shutter Actuator, 4-fold, LoVo, MDRC

NEW

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. Available from december 2011.

SJR/S4.24.2.1		2CDG 110 143 R0011	26	4
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2CDC 071 468 F0003

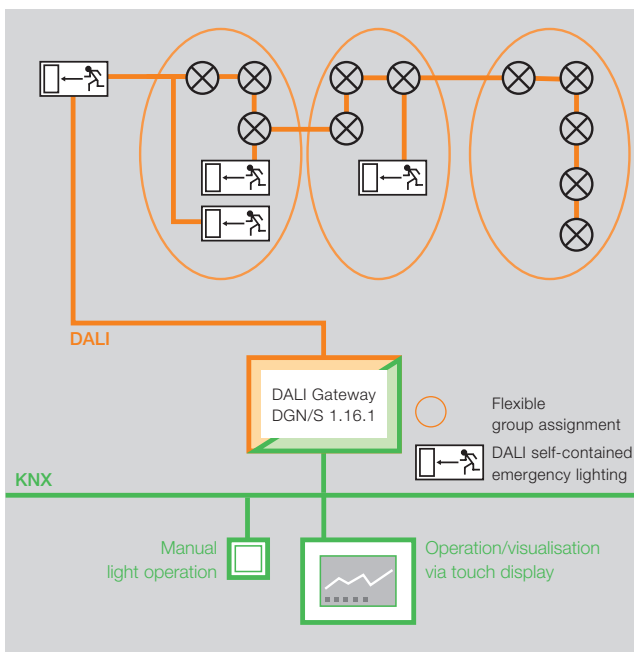
Shutter Control Unit, MDRC

Controls shutter and blind actuators according to the position of the sun. The shutter control unit contains the functions of anti-glare protection and daylight redirection for up to 4 facades. Automatic shading can be implemented for every building and climatic control can be supported by the comprehensive range of parameter settings in the ETS.

JSB/S 1.1		GH Q631 0084 R0111	26	2
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DALI Gateway DGN/S 1.16.1 Lighting control and emergency lighting functions combined

NEW



Control via 16 lighting groups
Conventional lighting and individual emergency lighting battery combined

The newest ABB i-bus® KNX DALI Gateway with emergency lighting function combines modern flexible lighting control in intelligent building control systems with DALI emergency lighting.

Up to 64 DALI devices can be flexibly installed via 16 lighting groups and controlled and monitored by KNX. Normal DALI lighting and DALI emergency lighting can be combined as required.

Lighting scenarios can support the room utilization demands with up to 14 scenes. A staircase lighting function with a switch-off warning and basis brightness facilitates time-dependent lighting control, particularly in halls or

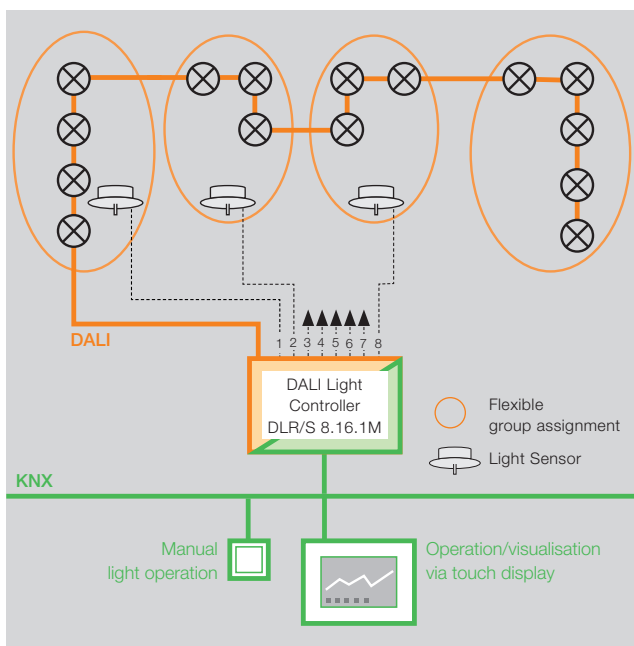
warehouses. With the integrated master-slave operation, any lighting groups can additionally optimize the energy consumption in buildings with a KNX light controller or presence detector.

Furthermore, the DALI gateway with emergency lighting function supports the DALI standard EN 62386-202 that specifies DALI self-contained emergency lighting. Here the cyclic monitoring functions of emergency or safety lighting with individual batteries can be activated via KNX, and the test results are sent with the aid of coded telegrams via KNX to a higher-level emergency lighting panel. The emergency lighting tests (functional test, duration test and partial

duration test) are undertaken autonomously by the DALI converter in the emergency lighting.

Information relating to a lamp and ballast fault is individually available for a lighting group or for a DALI device on the KNX.

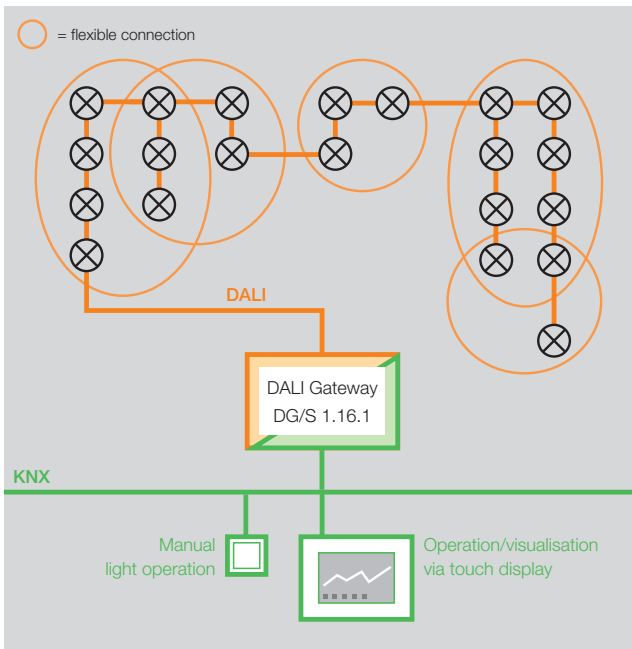
The commissioning of the normal DALI lighting and the DALI emergency lighting is undertaken via a separate set-up tool that assigns the DALI devices to the lighting groups and adjusts the brightness of the emergency lighting. Furthermore, the error state of the DALI devices is also displayed in this tool.



DALI Light Controller DLR/S 8.16.1M Energy through constant lighting control



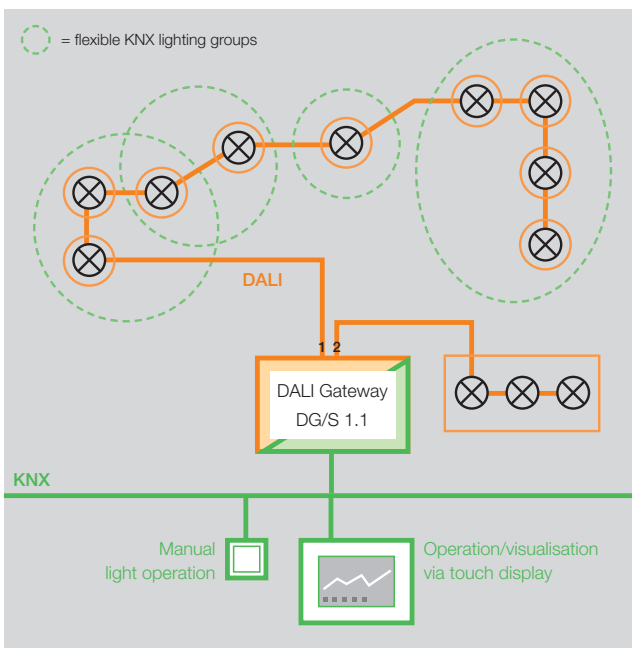
Control via 16 lighting groups. Up to 8 lighting groups can be controlled with 8 light sensors. Master-slave, staircase light and Scene mode round off the functions.



DALI Gateway DG/S 1.16.1 Flexibility in a good light



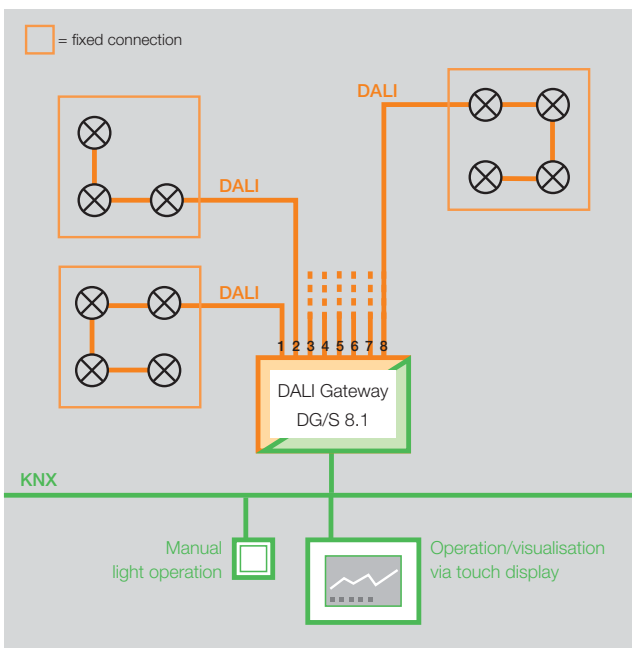
Large lighting groups can be controlled via flexible DALI groups.
1 x 64 DALI devices in 16 lighting groups.
Overlapping groups are possible.



DALI Gateway DG/S 1.1 Individual lighting control



Lighting groups are formed in KNX. Individual lamps are indicated on the KNX. 1 x 64 DALI devices in unlimited lighting groups.



DALI Gateway DG/S 8.1 The proven technology



Lighting groups are formed via "rigid" hardware wiring.
Fast commissioning as no addressing is necessary.
No readdressing when a ballast is exchanged. 8 x 16 DALI devices

ABB i-bus® KNX Illumination and Light Sensors

Type	Detail	Order code	PG	MW
			*	**



2CDC 071 262 F0005

DALI Gateway, 1-fold, MDRC

The device is used to interface between DALI and KNX installations and incorporates the DALI power supply. Up to 2 x 64 DALI devices can be connected. 64 devices can be individually switched, dimmed and controlled with a brightness value. The second 64 devices operate in broadcast mode. The DALI functions such as scene control or fault indication can be programmed and activated via the KNX.

DG/S 1.1	2CDG 110 026 R0011	26	4
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2CDC 071 121 F0008

DALI Gateway, 1-fold, Group Control, MDRC

The device is used to interface between DALI and KNX installations and incorporates the DALI power supply. Up to 16 DALI devices can be assigned to 16 lighting groups. Each group can be switched, dimmed and controlled with a brightness value. Scenes and sequencer functions are available for lighting effects. Fault feedback messages can be programmed and activated via KNX.

DG/S 1.16.1	2CDG 110 103 R0011	26	4
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2CDC 071 009 S0011

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	2CDG 110 142 R0011	26	4
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2CDC 071 131 F0004

DALI Gateway, 8-fold, MDRC

For controlling up to 128 DALI devices. There are 8 separate, independent DALI outputs/channels available. Up to 16 DALI devices can be connected per channel. The DALI power supply is integrated in the gateway. The functions of switching, dimming, set values and fault indication for lamps and electronic ballasts are available for each output. It is possible to set the lamp burn-in time and 16 light scenes. Commissioning is simplified as no addressing or commissioning of the DALI devices is necessary.

DG/S 8.1	2CDG 110 025 R0011	26	6
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2CDC 071 076 S0009

DALI Light Controller, 8-fold, MDRC

For switching and dimming of 16 independent lighting groups. A maximum of 64 DALI devices can be connected. The device can be used for 8-fold constant lighting control in connection with eight Light Sensors LF/U 2.1. Fault feedback messages can be programmed and activated via KNX. With comfortable manual operation and status display.

DLR/S 8.16.1M	2CDG 110 101 R0011	26	6
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Type	Detail	Order code	PG	MW
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2CDC 071 018 F0008

Light Sensor, FM

Used for implementing constant lighting control applications in conjunction with the DALI-Light Controller. The scope of delivery includes different optical rods, the connection terminals and the cover for discrete fitting in a room.

LF/U 2.1	2CDG 110 089 R0011	26	-
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2CDC 821 001 F0005

DALI Switch Actuator, 2-fold, 16 AX, C-load, MDRC

Uses floating contacts (N.O.) to switch 2 independent electrical loads. The devices are especially suited for switching resistive, inductive or capacitive loads with high surge currents. The device features a DALI interface to IEC 60929. The control is implemented via the DALI control signal. Both channels operate as two independent DALI devices.

DSA/S 2.16.1	2CDG 110 009 R0011	26	4
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2CDC 071 004 F0007

Switch/Dim Actuator, 16 A, MDRC

Used for switching and dimming of 2, 4 or 8 independent groups of luminaires with electronic ballasts with 1 – 10 V control interfaces. On each channel the power supply of the ballasts is switched by a floating load relay (16 A – AC1). Every output can be operated manually and features display of the switching state. The device can assume a range of applications thanks to the programming options.

SD/S 2.16.1	2-fold	2CDG 110 079 R0011	26	2
SD/S 4.16.1	4-fold	2CDG 110 080 R0011	26	4
SD/S 8.16.1	8-fold	2CDG 110 081 R0011	26	6



2CDC 071 019 F0008

Light Controller, 16 A, MDRC

The device enables the switching and dimming of 2 or 4 independent lighting circuits in conjunction with electronic ballasts. In combination with the Light Sensor LF/U 2.1, the device can be used for constant lighting control. 2 or 4 light sensors can be connected to the controller for precise detection of the lighting conditions.

LR/S 2.16.1	2-fold	2CDG 110 087 R0011	26	4
LR/S 4.16.1	4-fold	2CDG 110 088 R0011	26	6



2CDC 071 018 F0008

Light Sensor, FM

Used for implementing constant lighting control applications in conjunction with the Light Controller. The scope of delivery includes different optical rods, the connection terminals and the cover for discrete fitting in a room.

LF/U 2.1	2CDG 110 089 R0011	26	-
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ABB i-bus® KNX Illumination and Light Sensors

Type	Detail	Order code	PG	MW
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Universal Dim Actuator, 2-fold, 300 VA, MDRC

For switching and dimming of incandescent lamps, 230 V halogen lamps or low-voltage halogen lamps which are powered by wound or electronic transformers (automatic load detection). Output power 2 x 300 VA or 1 x 500 VA up to 45°C ambient temperature at a minimum load of just 2 W. Both outputs are independent of one another and can be supplied by different phases. Comprehensive application program with scene and time functions.

UD/S 2.300.2	2CDG 110 074 R0011	26	4
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Universal Dim Actuator, 4-fold, 210 VA, MDRC

Multi-channel universal dimming actuator for control of incandescent lamps, 230 V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers and dimmable energy-efficient lamps. Parallel connection of channels to increase load capacity via wire jumpers possible. Status/state indication of the outputs via LED. Local operation even without bus voltage or in non-programmed state possible.

6197/12-500	6197-0-0025	33	8
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Universal Dim Actuator, 4-fold, 315 VA, MDRC

Multi-channel universal dimming actuator for control of incandescent lamps, 230 V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers and dimmable energy-efficient lamps. Parallel connection of channels to increase load capacity via wire jumpers possible. Status/state indication of the outputs via LED. Local operation even without bus voltage or in non-programmed state possible.

6197/13-500	6197-0-0026	33	8
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Universal Dim Actuator, 6-fold, 315 VA, MDRC

Multi-channel universal dimmer for control of incandescent lamps, 230 V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers and dimmable energy-efficient lamps. Parallel connection of channels to increase load capacity via wire jumpers possible. Status/state indication of the outputs via LED. Local operation even without bus voltage or in non-programmed state possible.

6197/14-500	6197-0-0027	33	12
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Universal Dim Actuator, 4-fold, 600 VA, MDRC

Multi-channel universal dimmer for control of incandescent lamps, 230 V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers and dimmable energy-efficient lamps. Parallel connection of channels to increase load capacity via wire jumpers possible. Status/state indication of the outputs via LED. Local operation even without bus voltage or in non-programmed state possible.

6197/15-500	6197-0-00287	33	12
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Type	Detail	Order code	PG	MW
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Universal Dim Actuator, 1,260 VA, MDRC

for controlling incandescent lamps, 230V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers and dimmable energy-efficient lamps. Status/state indication of the output via LED. Local operation even without bus voltage or in non-programmed state possible.

6197/52-500	6197-0-0029	33	12
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Universal Dim Actuator, 2,400 VA, MDRC

for controlling incandescent lamps, 230V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers and dimmable energy-efficient lamps. Status/state indication of the output via LED. Local operation even without bus voltage or in non-programmed state possible.

6197/53-500	6197-0-0030	33	12
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Brightness Sensor, 3-channel, MDRC

For switching lighting dependent on the daylight intensity. The device can be used as a twilight switch (1...10 lux) or a light level switch (100...20.000 lux) to switch on the lighting only with low levels of external brightness. The light sensor is supplied with the device.

HS/S 3.1	GH Q605 0063 R0001	20	2
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ABB i-bus® KNX Illumination and Light Sensors

Type	Detail	Order code	PG	MW
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L_6131-74-102

Presence Detector, FM

with intergrated bus coupling unit. Standard version for switching illumination in conjunction with brightness and movement. With two switching channels and two constant brightness switching channels (control of switch actuators via adjusted brightness level). Detection zone (installation height = 2,5 m) circular Detection zone (installation height = 2,5 m) circular O 8 m. Detection angle: 360°. Brightness limit value: 1-1000 Lux. Mounting height: 2,5 m recommended. Protection class (device): IP 20.



6131/10-24-500	alpine white	6132-0-0295	26	-
6131/10-183-500	aluminium silver	6132-0-0297	26	-



L_6131-74-102

Presence Detector, DualLine, FM

with intergrated bus coupling unit. DualLine version for switching illumination in conjunction with brightness and movement. With two switching channels and two channels for constant brightness control (control of dim-actuators via adjusted brightness level). With two HVAC channels. With logic functions and IR receiver. Detection zone (installation height = 2,5 m) circular Detection zone (installation height = 2,5 m) circular O 8 m. Detection angle: 360°. Brightness limit value: 1-1000 Lux. Mounting height: 2,5 m recommended. Protection class (device): IP 20.



6131/11-24-500	alpine white	6132-0-0299	26	-
6131/11-183-500	aluminium silver	6132-0-0301	26	-



SK 0089 B01

Surface Mounting Base for Presence Detector

Surface mounting base for for installation of flush-mounted inserts in combination with presence detector.

6885-500	alpine white	6899-0-0282	29	-
6885-183-500	aluminium silver	6899-0-0297	29	-



2CDC 071 260 F0005

Busch-Watchdog® 220 KNX ProfessionalLine, SM

Surface mounted Busch Watchdog sensor with integrated bus coupler and a sensor angle of 220. Motion detection and twilight switching function with adjustable threshold and switch off delay. Range: 16 m. Device degree of protection: IP 55, Device temperature range: - 25 °C - 55 °C.

6179 AGM-204-500	white	6132-0-0160	26	-
6179 AGM-208-500	silver	6132-0-0162	26	-



6887-204

Corner Adapter for Busch Watchdog Sensor

Surface mounting adapter for Busch-Wächter® Professional 220 EIB for installation on corners of buildings.

6887-204-500	white	6899-0-0292	29	-
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Type	Detail	Order code	PG	MW
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L_6122_01-84

Busch-Watchdog® 180 Standard, FM

Movement sensor with up to four channels. Suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. Detection range: frontal 6 m, lateral 6 m. Detection angle: 180°. Brightness limit value: 5 - 150 Lux. Mounting height: 1.1 m. Protection class (device): IP 20.



future® linear				
6122/01-81-500	anthracite	6132-0-0272	26	-
6122/01-82-500	savanna/ivory	6132-0-0273	26	-
6122/01-83-500	aluminium silver	6132-0-0274	26	-
6122/01-84-500	davos/studio white	6132-0-0250	26	-
6122/01-884-500	studio white, matt	6132-0-0281	26	-
6122/01-885-500	black, matt	6132-0-0282	26	-
solo®				
6122/01-82-500	savanna/ivory	6132-0-0273	26	-
6122/01-84-500	davos/studio white	6132-0-0250	26	-
6122/01-87-500	toscana/purple	6132-0-0276	26	-
6122/01-803-500	meteor/metallic grey	6132-0-0279	26	-
6122/01-815-500	sahara/yellow	6132-0-0280	26	-
carat				
6122/01-81-500	anthracite	6132-0-0272	26	-
6122/01-82-500	savanna/ivory	6132-0-0273	26	-
6122/01-84-500	davos/studio white	6132-0-0250	26	-
pur stainless steel				
6122/01-866-500	pur stainless steel	6132-0-0278	26	-
Busch-axcent®				
6122/01-84-500	davos/studio white	6132-0-0250	26	-



L_6122_02-84

Busch-Watchdog® 180 Comfort, FM

Movement sensor with up to four channels. Suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. Control element: Sliding switch for manual operation ON/AUTOMATIC/OFF (lockable). Detection range 1: frontal 15 m, lateral 5 m. Detection range 2: frontal 10 m, lateral 2.5 m. Detection angle: 180°. Brightness limit value: 5 - 150 Lux. Mounting height: 1.1 m. Protection class (device): IP 20.



future® linear				
6122/02-81-500	anthracite	6132-0-0283	26	-
6122/02-82-500	savanna/ivory	6132-0-0284	26	-
6122/02-83-500	aluminium silver	6132-0-0285	26	-
6122/02-84-500	davos/studio white	6132-0-0263	26	-
6122/02-884-500	studio white, matt	6132-0-0292	26	-
6122/02-885-500	black, matt	6132-0-0293	26	-
solo®				
6122/02-82-500	savanna/ivory	6132-0-0284	26	-
6122/02-84-500	davos/studio white	6132-0-0263	26	-
6122/02-87-500	toscana/purple	6132-0-0287	26	-
6122/02-803-500	meteor/metallic grey	6132-0-0290	26	-
6122/02-815-500	sahara/yellow	6132-0-0291	26	-
carat				
6122/02-81-500	anthracite	6132-0-0283	26	-
6122/02-82-500	savanna/ivory	6132-0-0284	26	-
6122/02-84-500	davos/studio white	6132-0-0263	26	-
pur stainless steel				
6122/02-866-500	pur stainless steel	6132-0-0289	26	-
Busch-axcent®				
6122/02-84-500	davos/studio white	6132-0-0263	26	-

Regulation of Room Temperature und Air Quality

Influencing Variables on Room Climate

Influencing Variables on Room Temperature

Internal and external factors have an effect on the thermal conditions in a room or a building. As an external factor the solar radiation is important for the indoor temperature – particularly with regard to modern architecture with glass fronts. Besides this, the room temperature is strongly affected by the exchange of thermal energy through windows and walls as well as the loss of thermal energy through open doors and windows.

Depending on the intensity, all this interactions influence also the energy efficiency of a building and have therefore to be optimised.

Internal thermal inputs from lighting, devices or persons have also an influence on the room climate. By planning a heating, ventilation or air conditioning system all this internal and external factors have to be considered.

Influencing Variables on Air Quality

The indoor climate in living and working areas has a scientifically proven impact on health, job performance and well-being of people. A suitable indicator for determination of the room air quality is the CO₂ concentration. In addition the values for room temperature and air humidity must be controlled to meet the requirements for a comfortable room climate.

Studies have shown, that high CO₂ concentration in the air influences the well-being as well as the performance and learning ability of people. Besides the normal CO₂ concentration in the air, human respiration is an important factor increasing the CO₂ concentration in a room. Therefore it is important to measure the CO₂ concentration in rooms where many persons are present (schools, conference rooms, open-plan offices). Monitoring of thresholds enables fans to be switched via ABB i-bus KNX allowing automatic control of the CO₂ concentration and sufficient supply of fresh air.

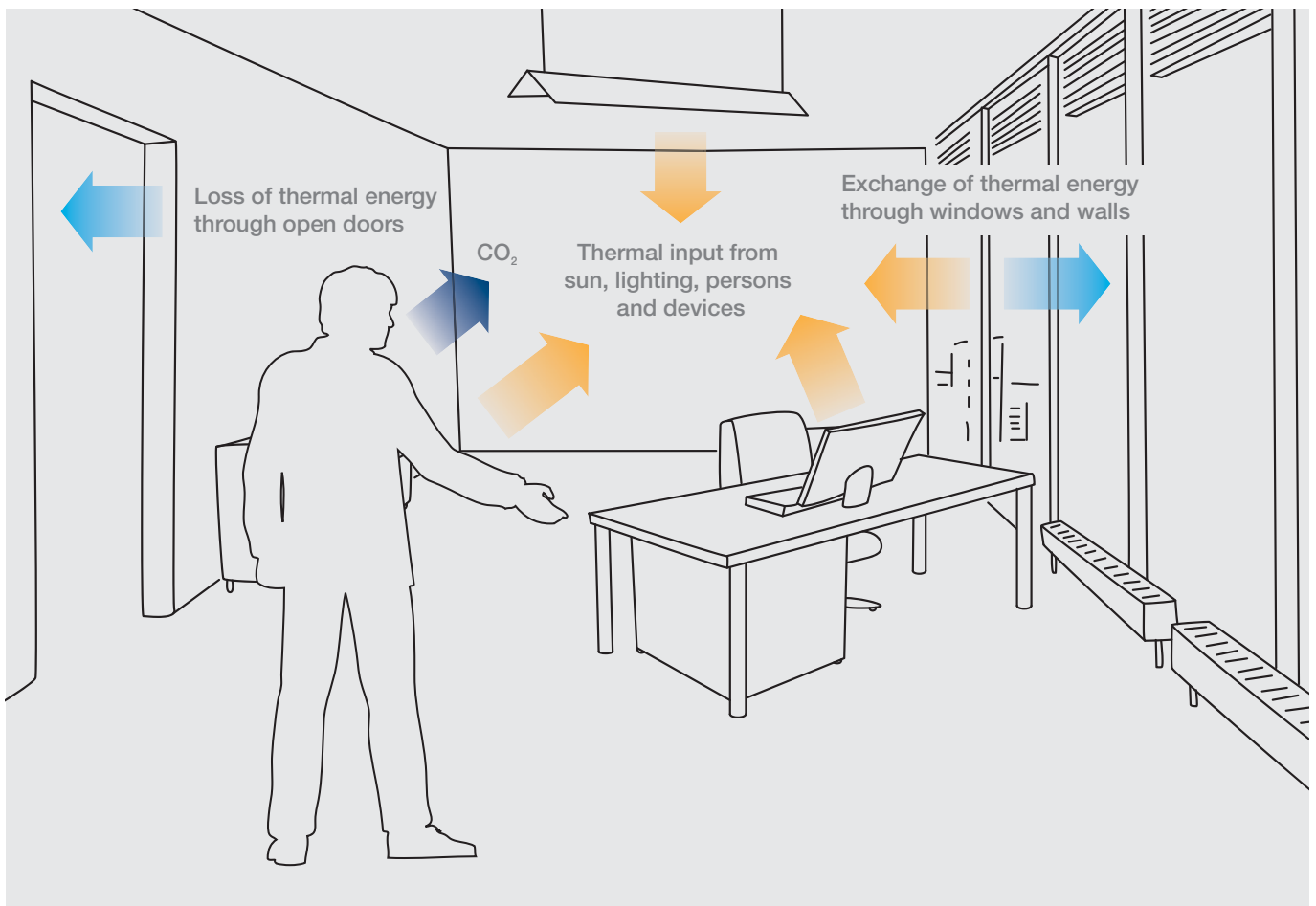


ABB i-bus® KNX Heating and Cooling

Type	Detail	Order code	PG	MW
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Blower / Fan Coil Actuator, MDRC

Developed especially for the application of fans and ventilators on the KNX. They can activate 3 – 5 ventilation levels and 2 thermo-electric valve drives directly or via ES/S. Combined with a room thermostat they offer a cost effective solution for HVAC applications.

LFA/S 1.1	1-fold	2CDG 110 077 R0011	26	2
LFA/S 2.1	2-fold	2CDG 110 078 R0011	26	4



Fan Coil Actuator, MDRC

For the control of typical blower convectors via two electronic outputs for thermoelectric or motor-driven valve drives, and 3 outputs for individual fan speeds. An additional load output switches an additional load (up to 16 A), such as auxiliary heating. A window contact and a condensed water signal can be read via two binary inputs and transferred on the KNX. The easy to understand manual operation enables quick commissioning.

FCA/S 1.1M		2CDG 110 084 R0011	26	4
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Room Thermostat Fan Coil with Display, SM

Sends control values for the room to the Fan Coil Actuators or devices with the respective outputs (e.g. Room Master). The intuitive control operation allows each user to individually set the room temperature and the fan speed. The large LC display can display the actual and target temperatures, the current operating mode as well as the fan speeds.

6138/11-83-500	aluminium silver	6138-0-0005	26	-
6138/11-84-500	davos/studio white	6138-0-0003	26	-



Fan Coil Controller, MDRC

It controls motor-driven and thermoelectric valve drives as well as multi-speed fans. Control without further additional components can be undertaken in combination with the optional Temperature Sensor TS/K. There are two binary inputs available for 24 V AC signal contacts for window contact or dew point signals. A 230 V power supply is required.

FC/S 1.1		2CDG 120 001 R0011	20	6
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Temperature Sensor for Fan Coil Controller

TS/K 1.1		2CDG 120 002 R0011	20	-
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Type	Detail	Order code	PG	MW
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Electronic Switch Actuator, 4-fold, 1 A, MDRC

Controls thermoelectric valve drives (e.g. TSA/K) in heating and cooling systems. Each output (24...230 V AC/DC) is protected against short-circuit and overload. With manual operation and status display for each output.

ES/S 4.1.2.1		2CDG 110 058 R0011	26	4
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Valve Drive Actuator, 230 V, MDRC

Controls thermoelectric valve drives (e.g. TSA/K) in heating or cooling systems. Each three outputs are protected against short-circuit and overload. With manual operation and status display.



VAA/S 6.230.2.1	6-fold	2CDG 110 116 R0011	26	4
VAA/S 12.230.2.1	12-fold	2CDG 110 117 R0011	26	8



Valve Drive Actuator, 6-fold, 24 V, SM

In conjunction with the thermostat it controls up to 13 thermoelectric valve drives (24 V), max. 4 per channel. The device is suitable for the installation in heating circuit distribution systems where the application of a triac ensures noiseless switching of the drives. Mains plug on the transformer (230 V) for ease of installation.

VAA/A 6.24.1		2CDG 120 032 R0011	20	-
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Electronic Relay, 1-fold, FM

The device combination with the Universal Interface US/U and a room thermostat noiselessly controls the heating system and chilled ceiling temperature via thermo-electric valve drives e.g. TSA/K, 24 V...230 V AC/DC).

ER/U 1.1		GH Q631 0044 R0111	26	-
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Universal Interface, FM

The universal interface has 2 or 4 channels which can be parametrised as inputs or outputs with the ETS software. Conventional push-buttons, auxiliary contacts, LEDs and the Electronic Relay ER/U can be connected. The connecting cables can be extended up to 10 m. The contact scanning voltage and the supply voltage for the LEDs are made available by the device, the series resistors for the LEDs are integrated.

US/U 2.2	2-fold	GH Q631 0074 R0111	26	-
US/U 4.2	4-fold	GH Q631 0070 R0111	26	-



Heating Actuator, 1-fold, FM

To be discontinued

Used to connect up to 5 thermoelectric valve drives. One electronic output (noiseless) 24 V – 230 V AC, max. 1 A. 2 inputs for floating contacts. Connecting cables maximum 10 m.

6164 U-500		6151-0-0168	26	-
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ABB i-bus® KNX Heating and Cooling

Type	Detail	Order code	PG	MW
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2CDG 071 356 R0004

Electromotor Valve Drive

The drive is a proportional valve drive for controlling heating valves and is mounted on thermostat valve bases. Valve Adapters VA10, VA78 for conventional valves are supplied. The control is carried out via a continuous KNX room thermostat. The actual valve position is indicated by 5 LEDs. The valve drive has two binary inputs for a presence contact and/or window contact and for further signal indication.

ST/K 1.1		2CDG 120 004 R0011	20	–
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2CDG 071 219 R0005

Thermoelectric Valve Drives

For opening and closing valves in heating, ventilation and air-conditioning systems. Both variants (230 V and 24 V) feature a plug-in connection cable (1 m) and a splash-proof housing. The mounting on the valve is easily implemented using the Valve Adapter VA/Z xx.1.

TSA/K 230.1	230 V	2CDG 120 007 R0011	20	–
TSA/K 24.1	24 V	2CDG 120 008 R0011	20	–



2CDG 071 078 R0006

Valve Adapter

For the snap-on mounting of thermoelectric valve drives TSA/K.

For valves from:

VA/Z 10.1	Dumser, Chronatherm, Vescal, KaMo	2CDG 120 009 R0011	20	–
VA/Z 50.1	Honeywell, ReichCazzaniga, Landis & Gyr. and MNG	2CDG 120 010 R0011	20	–
VA/Z 78.1	Danfoss RA	2CDG 120 011 R0011	20	–
VA/Z 80.1	Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop	2CDG 120 012 R0011	20	–



2CDG 071 028 S0010

Air Quality Sensor, SM

accurately measures the CO₂ concentration, humidity and temperature in a room. Three independent thresholds can be set for the CO₂ concentration and the relative humidity in addition to a threshold for the temperature. Exceeding or under-running the thresholds can trigger a response. Disable object for every threshold. Measured variables can be transmitted directly on the bus. Communication object "Ventilation" is used for RPM control or as a position indicator for the ventilation flaps. Maintenance free sensor. The sensor is powered via the bus.

LGS/A 1.1		2CDG 120 038 R0011	20	4
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Type	Detail	Order code	PG	MW
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Room Thermostat with Busch-priOn®

Room temperature control options with Busch-priOn® from page 36.



L 6124_01-84

Room Thermostat with Display, FM

suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. For heating and cooling (PI, PWM or 2-point). Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. With manual and automatic adjustment of fan levels. Switch contacts left/right to adjust set-points and operating mode manually. Two freely programmable RGB LEDs per rocker. With RGB colour code concept or red/green/OFF-operation. LCD displaying operation mode, temperature, time and date. With labeling field. Transparent labeling sheet with standard symbols included in delivery.

future® linear				
6124/01-81-500	anthracite	6134-0-0295	26	–
6124/01-82-500	savanna/ivory	6134-0-0274	26	–
6124/01-83-500	aluminium silver	6134-0-0275	26	–
6124/01-84-500	davos/studio white	6134-0-0248	26	–
6124/01-884-500	studio white, matt	6134-0-0282	26	–
6124/01-885-500	black, matt	6134-0-0283	26	–
solo®				
6124/01-82-500	savanna/ivory	6134-0-0274	26	–
6124/01-84-500	davos/studio white	6134-0-0248	26	–
6124/01-87-500	toscana/purple	6134-0-0277	26	–
6124/01-803-500	meteor/metallic grey	6134-0-0280	26	–
6124/01-815-500	sahara/yellow	6134-0-0281	26	–
carat				
6124/01-81-500	anthracite	6134-0-0295	26	–
6124/01-82-500	savanna/ivory	6134-0-0274	26	–
6124/01-84-500	davos/studio white	6134-0-0248	26	–
pur stainless steel				
6124/01-866-500	pur stainless steel	6134-0-0279	26	–
Busch-axcent®				
6124/01-84-500	davos/studio white	6134-0-0248	26	–

ABB i-bus® KNX Heating and Cooling

Type	Detail	Order code	PG	MW
			*	**



L_6128_01-84

Room Thermostat with Display and 2/4-fold Switch Sensor, FM



suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. For heating and cooling (PI, PWM or 2-point). Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. With manual and automatic adjustment of fan levels. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. Two freely programmable RGB LEDs per rocker. With RGB colour code concept or red/green/OFF-operation. LCD displaying operation mode, temperature, time and date. With labeling field. Transparent labeling sheet with standard symbols included in delivery.

future® linear				
6128/01-81-500	anthracite	6134-0-0284	26	-
6128/01-82-500	savanna/ivory	6134-0-0285	26	-
6128/01-83-500	aluminium silver	6134-0-0286	26	-
6128/01-84-500	davos/studio white	6134-0-0261	26	-
6128/01-884-500	studio white, matt	6134-0-0293	26	-
6128/01-885-500	black, matt	6134-0-0294	26	-
solo®				
6128/01-82-500	savanna/ivory	6134-0-0285	26	-
6128/01-84-500	davos/studio white	6134-0-0261	26	-
6128/01-87-500	toscana/purple	6134-0-0288	26	-
6128/01-803-500	meteor/metallic grey	6134-0-0291	26	-
6128/01-815-500	sahara/yellow	6134-0-0292	26	-
carat				
6128/01-81-500	anthracite	6134-0-0284	26	-
6128/01-82-500	savanna/ivory	6134-0-0285	26	-
6128/01-84-500	davos/studio white	6134-0-0261	26	-
pur stainless steel				
6128/01-866-500	pur stainless steel	6134-0-0290	26	-
Busch-axcent®				
6128/01-84-500	davos/studio white	6134-0-0261	26	-

Type	Detail	Order code	PG	MW
			*	**



L_6320_58-24

Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM



With intergrated bus coupling unit. With IR interface for Busch-remote controllers. For heating and cooling (PI, PWM or 2-point). Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. With manual and automatic adjustment of fan levels. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). LCD displaying operation mode and temperature. With labeling field.

alpha				
6320/58-20-500	platinum	6320-0-0042	26	-
6320/58-24G-500	studio white,high gloss	6320-0-0044	26	-
6320/58-260-500	palladium	6320-0-0050	26	-
impuls				
6320/58-79-500	champagne metallic	6320-0-0046	26	-
future® linear				
6320/58-83-500	aluminium silver	6320-0-0048	26	-



L_6108_03

Room Temperature Controller, Commercial, FM



Room temperature controller without „local operation“. With intergrated bus coupling unit. For heating and cooling. Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. Suitable for cover plates like 2114-xxx or 6541-xxx but not suitable for cover plates like 6541-20, -21, -260 and -266.

6108/03-500		6134-0-0271	26	-
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L_6320_38-24

Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM



With intergrated bus coupling unit. With IR interface for Busch-remote controllers. For heating and cooling (PI, PWM or 2-point). Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. With manual and automatic adjustment of fan levels. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). LCD displaying operation mode and temperature. With labeling field.

alpha				
6320/38-20-500	platinum	6320-0-0022	26	-
6320/38-24G-500	studio white,high gloss	6320-0-0024	26	-
6320/38-260-500	palladium	6320-0-0030	26	-
impuls				
6320/38-79-500	champagne metallic	6320-0-0026	26	-
future® linear				
6320/38-83-500	aluminium silver	6320-0-0028	26	-

ABB i-bus® KNX Heating and Cooling

Type	Detail	Order code	PG	MW
			*	**



2CDC 071 327 F0004

Cover Plate for Room Thermostat, Commercial

For room thermostat, commercial.

future® linear				
6541-81	anthracite	6599-0-2882	19	-
6541-82	savanna/ivory	6599-0-2832	19	-
6541-83	aluminium silver	6599-0-2885	19	-
6541-84	davos/studio white	6599-0-2835	19	-
6541-884	studio white, matt	6599-0-2962	19	-
6541-885	black, matt	6599-0-2967	19	-
solo®				
6541-82	savanna/ivory	6599-0-2832	19	-
6541-84	davos/studio white	6599-0-2835	19	-
6541-87	toscana/purple	6599-0-2844	19	-
6541-803	meteor/metallic grey	6599-0-2940	19	-
6541-815	sahara/yellow	6599-0-2936	19	-
carat				
6541-81	anthracite	6599-0-2882	19	-
6541-82	savanna/ivory	6599-0-2832	19	-
6541-84	davos/studio white	6599-0-2835	19	-
pur stainless steel				
6541-866	pur stainless steel	6599-0-2924	19	-
Busch-axcent®				
6541-84	davos/studio white	6599-0-2835	19	-



2CDC 071 328 F0004

Cover Plate for Room Thermostat, Commercial

For room thermostat, commercial.

alpha				
6541-22G	ivory/white	6599-0-2795	19	-
6541-24	studio white, matt	6599-0-1557	19	-
6541-24G	alabaster/studio white	6599-0-2332	19	-
impuls				
6541-74	alpine white	6599-0-2076	19	-
6541-79	champagne metallic	6599-0-2142	19	-



2CDC 071 346 F0003

Cover Plate for Room Thermostat, Commercial

For room thermostat, commercial.

Busch Duro 2000 SI				
2114-212	white (SI series)	6599-0-1193	19	-
Reflex SI				
2114-214	alpine white (SI series)	6599-0-0195	19	-

Type	Detail	Order code	PG	MW
			*	**



L 6131-74-102

Presence Detector, DualLine, FM

with integrated bus coupling unit. DualLine version for switching illumination in conjunction with brightness and movement. With two switching channels and two channels for constant brightness control (control of dim-actuators via adjusted brightness level). With two HVAC channels. With logic functions and IR receiver. Detection zone (installation height = 2,5 m) circular Detection zone (installation height = 2,5 m) circular O 8 m. Detection angle: 360°. Brightness limit value: 1-1000 Lux. Mounting height: 2,5 m recommended. Protection class (device): IP 20.



6131/11-24-500	alpine white	6132-0-0299	26	-
6131/11-183-500	aluminium silver	6132-0-0301	26	-



SK 0089 B01

Surface Mounting Base for Presence Detector

Surface mounting base for installation of flush-mounted inserts in combination with presence detector.

6885-500	alpine white	6899-0-0282	29	-
6885-183-500	aluminium silver	6899-0-0297	29	-

ABB i-bus® KNX

Control, Logic and Time

Type	Detail	Order code	PG	MW
			*	**



Logic Module, MDRC

Used to solve a varied range of project-specific control tasks and can implement 3 functions simultaneously. The following functions are available for selection: logic gate, filter, time delay, multiplier, min/max value detector, temperature comparator, toggle values, threshold detection, format converter, scenes, increment/decrement values, staircase lighting.

LM/S 1.1	GH Q631 0080 R0111	26	2
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Application Unit, Logic, MDRC

Allows the compilation of complex logical functions by simply combining different logic elements and gates using a graphical user interface as an ETS plug-in and does not require additional software. 50 logical elements, 50 gates, 30 timer modules and 10 comparators are available.

ABL/S 2.1	2CDG 110 073 R0011	26	2
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Application Unit, Time, MDRC

It provides a yearly time clock program with 15 daily routines (800 switching events), a weekly schedule and allowance for 100 special days. Additionally, the unit can control up to 300 participants in 30 macro groups, that can be triggered using a single command. In this way, each time controlled switching event can cause a series of actions. The switching times can be modified with the free PZM 2.0 software without using ETS.

ABZ/S 2.1	2CDG 110 072 R0011	26	2
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Time Switch, 2-channel, MDRC

Provides timed switching in a weekly program of electrical loads. Each channel can switch a load group ON or OFF or send a brightness value to dimming actuators. 24 memory locations with configurable block formation of weekdays.

SW/S 2.5	GH Q605 0062 R0001	20	2
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Time Switch, 4-channel, MDRC

Provides timed switching in a daily, weekly and yearly program of electrical loads. The time and date are sent to synchronise other bus devices on the bus. Each channel can switch a load group ON or OFF or send a brightness value to dimming actuators.

The programming of the switching times is carried out on the clock or via the PC in conjunction with the memory card PK/E and the programming set PS/E.

SW/S 4.5	GH Q605 0061 R0001	20	6
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Radio Time Switch, 4-channel, MDRC

With daily, weekly and yearly program, receives the time signal from the DCF 77 transmitter via antenna FA/A.

The time and date are sent to synchronise other bus devices on the bus. The radio timer provides timed switching of electrical loads. Each channel can switch a load group ON or OFF or send a brightness value to dimming actuators. The programming of the switching times is carried out on the clock or via the PC in conjunction with the memory card PK/E and the programming set PS/E.

FW/S 4.5	GH Q605 0060 R0001	20	6
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Type	Detail	Order code	PG	MW
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Antenna for Radio Time Switch, SM

Antenna for connection to the DCF-Time switch FW/S 4.5. The time signal from the DCF 77 transmitter can be received within a radius of approx. 1000 km around Frankfurt.

FA/A 2.1	GH Q605 0031 R0021	20	-
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Programming Set

The programming set contains a CD ROM with the Obelisk software for the creation of switching programs for the timers SW/S 4.5 and FW/S 4.5, a memory card PK/E for transferring switching programs and for data security, a programming adapter for the memory card for connection to a PC (RS 232) and a manual.

PS/E 1.1	Programming Set	GH Q600 1942 R0001	20	-
PK/E 1.1	Memory Card	GH Q600 1943 R0001	20	-

ABB i-bus® KNX

Visualisation, Display and Signalling

Type	Detail	Order code	PG	MW
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Universal I/O Concentrator, 32-fold, MDRC

Used to connect push buttons or signal lamps, e.g. to an operating/display tableau. It has 32 channels which can be freely parameterised as inputs/outputs using the ETS software. The device requires an external 12 or 24 V DC auxiliary power supply, (e.g. NT/S 24.800).

UK/S 32.2		2CDG 110 071 R0011	26	4
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Universal Interface, 12-fold, FM

The universal interface has 12 channels which can be parametrised as inputs or outputs. Conventional push-buttons and LEDs, e.g. of a display and control panel, can be connected. The connecting cables can be extended up to 10 m. The contact scanning voltage and the supply voltage for the LEDs are made available by the device, the series resistors for the LEDs are integrated.

US/U 12.2		2CDG 110 065 R0011	26	-
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Busch-ComfortTouch

Free programmable IP/KNX touch display as a spatially integrated control, infotainment and entertainment center. Simple to use with intuitive navigation concept. Can be combined with different design frames and design strips made of real material. Representation of individual floor layouts, living space graphics and operating pages. 22.86 cm (9") touch display with 800 x 480 pixels.

8136-500		8136-0-0002	34	-
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Module ABB i-bus KNX for Busch-ComfortTouch

For creation of the local bus connection terminal for the Busch ComfortPanel.

6186 UP-500		6186-0-0021	34	-
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Design Frame for Busch-ComfortTouch

Made of real metal.

8136/20-500	glass, black	8136-0-0004	34	-
8136/23-500	glass, white	8136-0-0006	34	-



Camera Module for Busch-ComfortTouch

Camera module made of real chrome for 8136. For expansion of the applications with live image recording. For mounting on the upper edge of the Busch-ComfortPanel®. The camera module includes a mechanically moveable, captive cap before the lens. The acquisition angle of the camera can be adjusted externally by a corresponding mechanism. Acquisition angle +/-70°. With anti-theft feature. Dimensions (HxWxD): 22 mm x 300 mm x 26 mm.

8136/30-500	chrome	8136-0-0012	34	-
8136/31-500	aluminium	8136-0-0014	34	-

Type	Detail	Order code	PG	MW
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Design Strip for Busch-ComfortTouch

Made of real metal.



8136/40-500	chrome	8136-0-0016	34	-
8136/41-500	aluminium	8136-0-0018	34	-



Flush Mounted Wall Box for Busch-ComfortTouch

For flush mounted and hollow wall mounting of the Busch ComfortPanel. Dimensions (W x H x D): 166 mm x 254 mm x 60 mm.

8136/UP-500		8136-0-0020	34	-
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SMARTtouch

The SMARTtouch (210 functions) offers a colour touch display. The panels clearly display switch states, error messages and measured values, and allow comfortable operation and setting of timing programs and light scenes. Acoustic warnings or alarm functions can be programmed. The integrated room thermostat can be integrated into room climate control. Commissioning is via the bus or multimedia card/SD card. For flush mounting in walls and hollow panels the wall box 6136/UP can be used.

6136/100C-102-500	SMARTtouch, colour (210 functions)	6136-0-0185	26	-
6136/100CB-102	Bang & Olufsen, colour (210 functions)	6136-0-0186	26	-



Design Frame for SMARTtouch

Made of real metal.

6136/10-500	Dark glass with flap in chrome	6136-0-0139	26	-
6136/11-500	Dark glass with flap in aluminium	6136-0-0141	26	-
6136/13-500	White glass, satin finish with flap in aluminium	6136-0-0155	26	-



Flush Mounted Wall Box for Busch-Controlpanel

For flush mounting and hollow panel mounting of the Room and Control Panels. Dimensions (H x W x D): 163.5 mm x 199 mm x 60 mm. Mounting depth: 60 mm.

6136/UP		6136-0-0124	26	-
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ABB i-bus® KNX

Visualisation, Display and Signalling

Type	Detail	Order code	PG	MW
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SK 0102 B99

Control and Display Tableau, LCD

For indication of switching status, fault reports and measurement values. Using the robust push buttons, electrical consumers can be manually switched, values can be set in addition to timer programs and light scenes. The alarms can also issue an acoustic warning. The FM wall box simplifies mounting.

MT 701.2, SR	silver	GH Q605 0059 R0006	20	–
MT 701.2, WS	white	GH Q605 0059 R0005	20	–
T-RAHM, SR	Cover frame, silver	GH Q605 0059 R0012	20	–
T-RAHM, WS	Cover frame, white	GH Q605 0059 R0011	20	–
UP-KAST 2	Wall box	GH Q605 0059 R0014	20	–

Type	Detail	Order code	PG	MW
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2CDG 071 028 R0004

Telephone Gateway, analogue, MDRC

It sends configurable voice messages via the telephone network to up to 10 users. 100 objects are available in the ETS program as inputs and outputs. As well as voice messages, emails or SMS messages can be sent. If the device is called, states can be polled and commands executed. The device has an integrated web server which enables simple operation and parametrisation using a conventional browser.

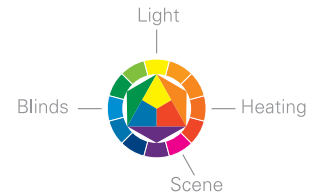
TG/S 3.2		2CDG 110 135 R0011	26	8
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Accessory Set of Telephone Gateway

Includes a crossover cable (RJ45 jack, length 1 m), a telephone cable, 6-pole (RJ11 jack, length 3 m) and a TAE adapter.

TG/Z 1.1		2CDG 110 119 R0011	26	–
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Multifunction control elements with LED colour code concept. And the utmost in comfort.



The new multifunction control elements with LED colour code concept meet the highest demands for comfort and technology. They each come with two RGB LEDs per rocker switch, which conform to a consistent colour concept. This makes the function obvious at a glance, and the surfaces can be additionally fitted with pictograms. Each side of a rocker switch can be occupied with its own function – each for calling up one light scene, for instance. This turns a 4gang control element into an 8gang control element.

Wide range. Different shapes, colours and materials fulfil every requirement. KNX control elements are available in the carat®, pure stainless steel, solo®, Busch-axcent® and future® linear programmes. The complete range of conventional switches from these series is available, so there are no limits to the options for combining KNX components.



01



02



03



01 Multifunction control element 1/2gang

Function

Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit | Step-type | Multiple operation | Logic function (including light scenes)

02 Multifunction control element 2/4gang

Function

Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit | Step-type | Multiple operation | Logic function (including light scenes)

03 Multifunction control element 4/8gang

Function

Switching | Dimming | Blinds | Push-button | Value transmitter | Light scene extension unit | Step-type | Multiple operation | Logic function (including light scenes)

04 Room temperature controller

Features

Labellable switch rockers | Anti-theft protection | Freely programmable switches | LED colour code concept

05 Multifunction control element 2/4gang, integrated room thermostat

Features

Labellable switch rockers | Anti-theft protection | Freely programmable switches | LED colour code concept

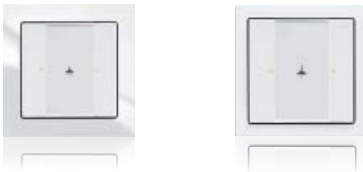
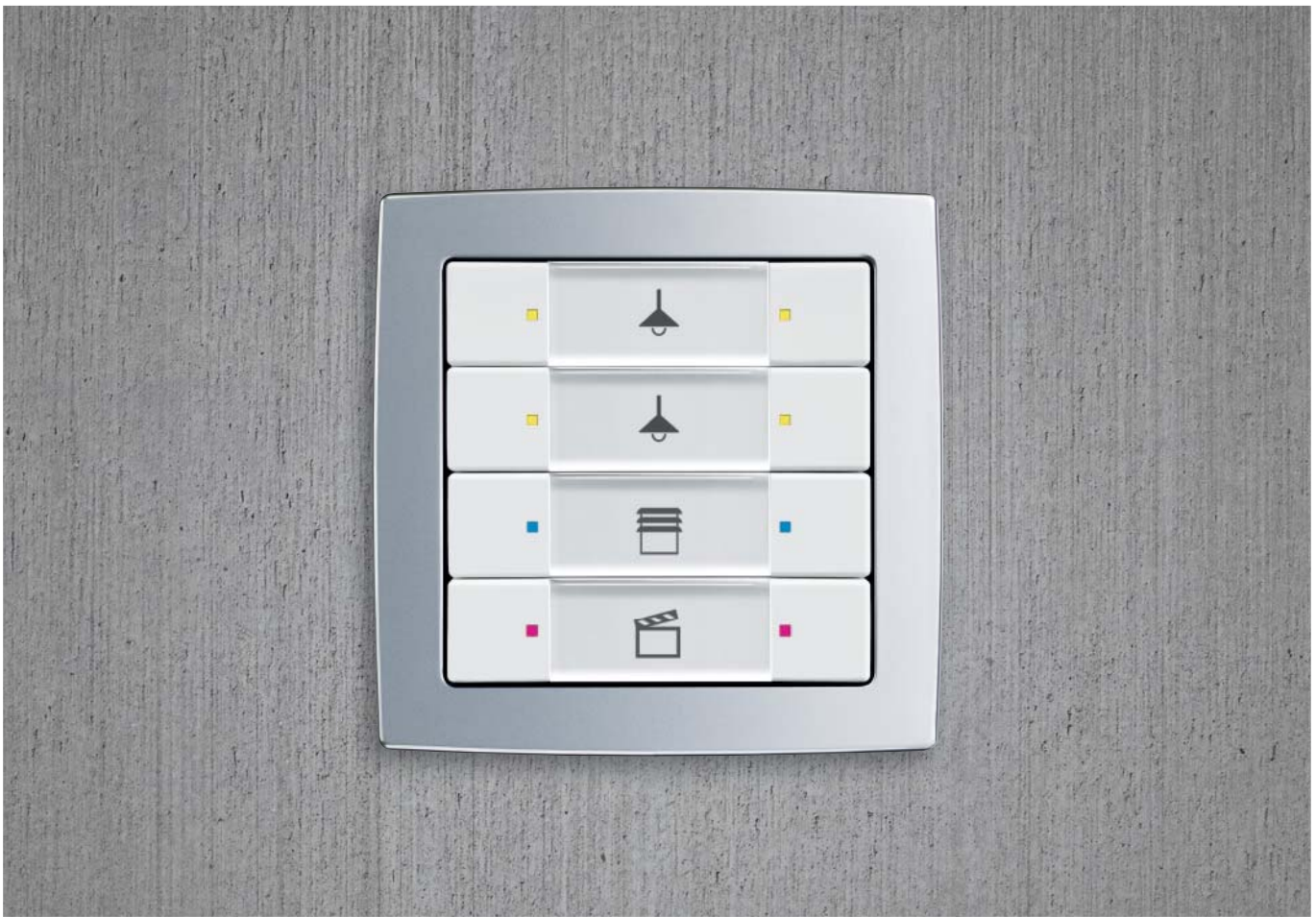
06 Multifunction control element 3/6gang with IR reception

Features

Labellable switch rockers | Anti-theft protection | Freely programmable switches | LED colour code concept

07 FM movement detector standard

08 FM movement detector comfort



04



Function
 Comfort | Stand-by | Night mode | Frost protection | Specified temperature | Time | Date | Heating | Cooling | Fan Coil operation for heating and cooling | Light scenes | Light scene extension unit | Value | Logic function (including light scenes)

Features
 Labellable switch rockers | Anti-theft protection | Display illumination | LED colour code concept

05



Function
 Comfort | Stand-by | Night mode | Frost protection | Specified temperature | Time | Date | Heating | Cooling | Fan Coil operation for heating and cooling | Light scenes | Light scene extension unit | Value | Logic function (including light scenes)

Features
 Labellable switch rockers | Anti-theft protection | Display illumination | Colour concept

06



Function
 10 freely programmable IR channels | Switching | Dimming | Blinds | Button | Light scenes | Light scene extension unit | Value | Logic function (including light scenes)

Features
 Labellable switch rockers | Anti-theft protection | Display illumination | Colour concept

07



Function
 4 channels | Logic function (including light scenes)

ABB i-bus® KNX Operation

Type	Detail	Order code	PG	MW
			*	**



SK 0093 B02

Universal Interface, FM

The universal interface has 2, 4 or 12 channels which can be parametrised as inputs or outputs with the ETS software. Conventional push-buttons, auxiliary contacts, LEDs and the electronic relay ER/U can be connected. The connecting cables can be extended up to 10 m. The contact scanning voltage and the supply voltage for the LEDs are made available by the device, the series resistors for the LEDs are integrated.

US/U 2.2	2-fold	GH Q631 0074 R0111	26	-
US/U 4.2	4-fold	GH Q631 0070 R0111	26	-
US/U 12.2	12-fold	2CDG 110 065 R0011	26	-



LF 6120_L 12-500

Bus Coupler, FM

for Busch-priOn® support frame
1-fold 6346/10-10x and control elements
6122/0x-xxx, 6124/0x-xxx, 6125/0x-xxx, 6126/0x-xxx,
6127/0x-xxx, 6128/0x-xxx and 6129/0x-xxx.



6120/12-101-500		6120-0-0075	26	-
6120/12-101-508	Version for Switzerland	6120-0-0076	26	-



Power Bus Coupler, FM, Busch-priOn®

For Busch-priOn® base frame 1-fold, 2-fold and 3-fold. Separate power supply required. The KNX connection is used exclusively for bus communication.

6120/13-500		6120-0-0072	26	-
6120/13-508	Version for Switzerland	6120-0-0073	26	-



Switch Actuator/Sensor, 1-fold, FM, Busch-priOn®

For switching incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps operated using transformers 3-wire technology (Neutral conductor required). Only in conjunction with a 2-fold and 3-fold base frame Cannot be combined with the lower finishing strip with temperature sensor.

6354 U-500		6310-0-0097	34	-
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Shutter/2-fold Actuator, FM, Busch-priOn®

Only in conjunction with a 2-fold and 3-fold base frame Not suitable for switching fluorescent lamps, HQI lamps and HQL lamps. Cannot be combined with the lower finishing strip with temperature sensor.

6356 U-500		6310-0-0099	34	-
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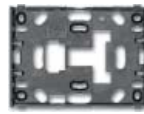


Universal Dim Actuator, 1-fold, FM, Busch-priOn®

For switching and dimming of incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch electronic transformers. 2-wire technology (Neutral conductor not required). Do not operate conventional and electronic transformers together on the Universal Dimmer. Only in conjunction with a 2-fold and 3-fold base frame Cannot be combined with the lower finishing strip with temperature sensor.

6355 U-500		6310-0-0098	34	-
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Type	Detail	Order code	PG	MW
			*	**



Base Frame, 1-fold, Busch-priOn®

For Busch-priOn® for seating and contact connection of rotary control elements, operating element 1-fold and 3-fold as well as the top/bottom finishing strip. For contacting with the Bus Coupler priOn or Power Bus Coupler priOn.

6346/10-101-500		6310-0-0135	34	-
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Base Frame, 2-fold, Busch-priOn®

For Busch-priOn® for seating and contact connection of 8.89 cm (3.5") TFT colour display with rotary control element, rotary control element 1-fold and 3-fold as well as the top/bottom finishing strip. For contacting with the Power Bus Coupler priOn.

6346/11-101-500		6310-0-0137	34	-
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Base Frame, 3-fold, Busch-priOn®

For Busch-priOn® for seating and contact connection of 8.89 cm (3.5") TFT colour display with rotary control element, rotary control element 1-fold and 3-fold as well as the top/bottom finishing strip. For contacting with the Power Bus Coupler priOn.

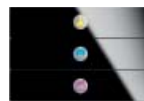
6346/12-101-500		6310-0-0139	34	-
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Control Element, 1-fold, Busch-priOn®

Freely programmable multi-function operation element for installation in the Base Frame 1-fold, 2-fold or 3-fold. Supports the KNX functions with innovative colour concept on the labelling symbols or standard lighting in red/green. The accompanying symbol can be substituted by other alternative labelling symbols.

6340-24G-101-500	studio white high gloss	6310-0-0109	34	-
6340-810-101-500	glass white	6310-0-0107	34	-
6340-825-101-500	glass black	6310-0-0108	34	-
6340-866-101-500	stainless steel	6310-0-0106	34	-



Control Element, 3-fold, Busch-priOn®

Freely programmable multi-function operation element for installation in the Base Frame 1-fold, 2-fold or 3-fold. Supports the KNX functions with innovative colour concept on the labelling symbols or standard lighting in red/green. The accompanying symbol can be substituted by other alternative labelling symbols.

6342-24G-101-500	studio white high gloss	6310-0-0125	34	-
6342-810-101-500	glass white	6310-0-0123	34	-
6342-825-101-500	glass black	6310-0-0124	34	-
6342-866-101-500	stainless steel	6310-0-0122	34	-



Rotary Control Element, 1-fold, Busch-priOn®

Freely programmable multi-function rotary control element for installation in the Base Frame 1-fold, 2-fold or 3-fold. Supports the KNX functions with innovative colour concept on the rotary knob or standard lighting in red/green. Rotary knob stainless steel.

6341-24G-101-500	studio white high gloss	6310-0-0117	34	-
6341-810-101-500	glass white	6310-0-0115	34	-
6341-825-101-500	glass black	6310-0-0116	34	-
6341-866-101-500	stainless steel	6310-0-0114	34	-

Type	Detail	Order code	PG	MW
			*	**



8.89 cm (3.5") TFT Colour Display with Rotary Control Element, Busch-priOn®

Freely programmable 8.89 cm (3.5") TFT colour display with rotary control element for installation in the Base Frame, 2-fold or 3-fold.
For representation of up to 120 functions.
With integrated weekly time switch, alarm, timer, with light scene function, screensaver and control of multimedia devices (in conjunction with additional device). Free function inscription with user-defined texts and symbols. Supports the KNX functions with innovative colour concept on the rotary knob. Rotary knob stainless steel

6344-24G-101-500	studio white high gloss	6310-0-0133	34	-
6344-810-101-500	glass white	6310-0-0131	34	-
6344-825-101-500	glass black	6310-0-0132	34	-
6344-866-101-500	stainless steel	6310-0-0130	34	-



Busch Watchdog® 180 FM Sensor, Busch-priOn®

Sends switching commands with motion detection in combination with the bus coupler Busch-priOn®. Programmable via ETS for automatic and semi-automatic operation.

6345-24G-101-500	studio white high gloss	6310-0-0081	34	-
6345-810-101-500	glass white	6310-0-0079	34	-
6345-825-101-500	glass black	6310-0-0080	34	-
6345-866-101-500	stainless steel	6310-0-0078	34	-

Top End Strip, Busch-priOn®

For mounting on Base Frame 1-fold to 3-fold.

6348-24G-101-500	studio white high gloss	6310-0-0147	34	-
6348-810-101-500	glass white	6310-0-0145	34	-
6348-825-101-500	glass black	6310-0-0146	34	-
6348-860-101-500	stainless steel	6310-0-0144	34	-

Top End Strip with IR Receiver and Proximity Sensor, Busch-priOn®

For mounting on Base Frame 1-fold to 3-fold. With integrated IR receiver for control by IR handheld control as well as integrated proximity function.

6350-825-101-500	glass black	6310-0-0157	34	-
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Bottom End Strip without logo, Busch-priOn®

For mounting on Base Frame 1-fold to 3-fold.

6349-24G-101-500	studio white high gloss	6310-0-0155	34	-
6349-810-101-500	glass white	6310-0-0153	34	-
6349-825-101-500	glass black	6310-0-0154	34	-
6349-860-101-500	stainless steel	6310-0-0152	34	-

Type	Detail	Order code	PG	MW
			*	**

Bottom End Strip with Temperature Sensor, Busch-priOn®

For mounting on Base Frame 1-fold to 3-fold. Provides the value measured by the temperature sensor to the 8.89 cm (3.5") TFT colour display or the room thermostat.

6352-24G-101-500	studio white high gloss	6310-0-0165	34	-
6352-810-101-500	glass white	6310-0-0163	34	-
6352-825-101-500	glass black	6310-0-0164	34	-
6352-860-101-500	stainless steel	6310-0-0162	34	-

Top End Strip with Display, Room Thermostat, IR Receiver and Proximity Sensor, Busch-priOn®

In combination with control element 3-fold, Busch-priOn®. With integrated room thermostat, display, proximity sensor and IR receiver. Room thermostat for heating and cooling (PI, PWM or 2-point) and control of up to 5-speed Fan Coil Actuators. Display for indication of 1 bit; 1, 2, 3, 4 or 14 byte values as text or symbols.

6351-825-101-500	glass black	6310-0-0092	34	-
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Inscription Symbols, Busch-priOn®

For Busch-priOn® operating element 1-fold to 3-fold with different symbols.

6353/20-860-500	Illumination	6310-0-0093	34	-
6353/30-860-500	Shutters	6310-0-0094	34	-
6353/40-860-500	Room temperature	6310-0-0095	34	-
6353/50-860-500	Scene	6310-0-0096	34	-



Commissioning Interface / Adapter

For local commissioning of the Bus Coupler 6120/12-101-500 and 6120/13-500 via USB port or via SD card slot. With integrated battery for independent operation for up to 8 h.

6149/21-500		6133-0-0201	26	-
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Power Supply, 24 V, 2.5 A, MDRC

For Busch-priOn® Power Bus Coupler 6120/13-500.

CP-D 24/2.5		2CDG 120 037 R0011	20	4
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ABB i-bus® KNX Operation

Type	Detail	Order code	PG	MW
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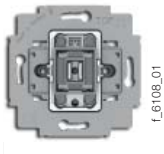


Bus Coupler, FM

for Busch-priOn® support frame
1-fold 6346/10-10x and control elements
6122/0x-xxx, 6124/0x-xxx, 6125/0x-xxx, 6126/0x-xxx,
6127/0x-xxx, 6128/0x-xxx and 6129/0x-xxx.



6120/12-101-500		6120-0-0075	26	–
6120/12-101-508	Version for Switzerland	6120-0-0076	26	–



KNX Switch Connection Unit, FM

with integrated bus coupling unit.
With neutral position. Suitable for conventional
switch rockers of the following Busch-Jaeger design
ranges: Busch-Duro 2000® SI/SI Linear, Reflex SI/SI
Linear, future® linear, alpha, solo®, Busch-axcent®,
carat® and pure stainless steel. One freely programmable
red/green LED (only 6108/01-500).



6108/01-500	1/2-fold	6133-0-0207	26	–
6108/02-500	2/4-fold	6133-0-0209	26	–



KNX Switch Connection Unit for design ocean® (IP44), FM

with integrated bus coupling unit.
For integration into SM-housing of ocean® range.



6108/04-500	1/2-fold	6133-0-0211	26	–
6108/05-500	2/4-fold	6133-0-0213	26	–



Control Element with Bus Coupler, 1/2-fold, standard, FM

bundle of standard control element and
bus coupler. With labeling field. Transparent labeling
sheet with standard symbols included in delivery.
Switch contacts left/right. Two freely programmable red/
green LED per rocker.



future® linear				
6125/01-81-500	anthracite	6115-0-0205	26	–
6125/01-82-500	savanna/ivory	6115-0-0206	26	–
6125/01-83-500	aluminium silver	6115-0-0207	26	–
6125/01-84-500	davos/studio white	6115-0-0183	26	–
6125/01-884-500	studio white, matt	6115-0-0214	26	–
6125/01-885-500	black, matt	6115-0-0215	26	–
solo®				
6125/01-82-500	savanna/ivory	6115-0-0206	26	–
6125/01-84-500	davos/studio white	6115-0-0183	26	–
6125/01-87-500	toscana/purple	6115-0-0209	26	–
6125/01-803-500	meteor/metallic grey	6115-0-0212	26	–
6125/01-815-500	sahara/yellow	6115-0-0213	26	–
carat				
6125/01-81-500	anthracite	6115-0-0205	26	–
6125/01-82-500	savanna/ivory	6115-0-0206	26	–
6125/01-84-500	davos/studio white	6115-0-0183	26	–
pur stainless steel				
6125/01-866-500	pur stainless steel	6115-0-0211	26	–
Busch-axcent®				
6125/01-84-500	davos/studio white	6115-0-0183	26	–

Type	Detail	Order code	PG	MW
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Control Element with Bus Coupler, 2/4-fold, standard, FM

bundle of standard control element and
bus coupler. With labeling field. Transparent labeling
sheet with standard symbols included in delivery.
Switch contacts left/right. Two freely programmable red/
green LED per rocker.



future® linear				
6126/01-81-500	anthracite	6116-0-0195	26	–
6126/01-82-500	savanna/ivory	6116-0-0196	26	–
6126/01-83-500	aluminium silver	6116-0-0197	26	–
6126/01-84-500	davos/studio white	6116-0-0174	26	–
6126/01-884-500	studio white, matt	6116-0-0204	26	–
6126/01-885-500	black, matt	6116-0-0205	26	–
solo®				
6126/01-82-500	savanna/ivory	6116-0-0196	26	–
6126/01-84-500	davos/studio white	6116-0-0174	26	–
6126/01-87-500	toscana/purple	6116-0-0199	26	–
6126/01-803-500	meteor/metallic grey	6116-0-0202	26	–
6126/01-815-500	sahara/yellow	6116-0-0203	26	–
carat				
6126/01-81-500	anthracite	6116-0-0195	26	–
6126/01-82-500	savanna/ivory	6116-0-0196	26	–
6126/01-84-500	davos/studio white	6116-0-0174	26	–
pur stainless steel				
6126/01-866-500	pur stainless steel	6116-0-0201	26	–
Busch-axcent®				
6126/01-84-500	davos/studio white	6116-0-0174	26	–



Control Element with Bus Coupler, 4/8-fold, standard, FM

bundle of standard control element and
bus coupler. With labeling field. Transparent labeling
sheet with standard symbols included in delivery.
Switch contacts left/right. Two freely programmable red/
green LED per rocker.



future® linear				
6127/01-81-500	anthracite	6117-0-0221	26	–
6127/01-82-500	savanna/ivory	6117-0-0222	26	–
6127/01-83-500	aluminium silver	6117-0-0223	26	–
6127/01-84-500	davos/studio white	6117-0-0200	26	–
6127/01-884-500	studio white, matt	6117-0-0230	26	–
6127/01-885-500	black, matt	6117-0-0231	26	–
solo®				
6127/01-82-500	savanna/ivory	6117-0-0222	26	–
6127/01-84-500	davos/studio white	6117-0-0200	26	–
6127/01-87-500	toscana/purple	6117-0-0225	26	–
6127/01-803-500	meteor/metallic grey	6117-0-0228	26	–
6127/01-815-500	sahara/yellow	6117-0-0229	26	–
carat				
6127/01-81-500	anthracite	6117-0-0221	26	–
6127/01-82-500	savanna/ivory	6117-0-0222	26	–
6127/01-84-500	davos/studio white	6117-0-0200	26	–
pur stainless steel				
6127/01-866-500	pur stainless steel	6117-0-0227	26	–
Busch-axcent®				
6127/01-84-500	davos/studio white	6117-0-0200	26	–

ABB i-bus® KNX Operation

Type	Detail	Order code	PG	MW
			*	**



L_6125_02-84

Control Element, 1/2-fold, multifunction, FM



suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. Two freely programmable RGB LEDs per rocker. With RGB colour code concept or red/green/OFF-operation. With labeling field. Transparent labeling sheet with standard symbols included in delivery.

future® linear				
6125/02-81-500	anthracite	6115-0-0216	26	–
6125/02-82-500	savanna/ivory	6115-0-0217	26	–
6125/02-83-500	aluminium silver	6115-0-0218	26	–
6125/02-84-500	davos/studio white	6115-0-0219	26	–
6125/02-884-500	studio white, matt	6115-0-0226	26	–
6125/02-885-500	black, matt	6115-0-0227	26	–
solo®				
6125/02-82-500	savanna/ivory	6115-0-0217	26	–
6125/02-84-500	davos/studio white	6115-0-0219	26	–
6125/02-87-500	toscana/purple	6115-0-0221	26	–
6125/02-803-500	meteor/metallic grey	6115-0-0224	26	–
6125/02-815-500	sahara/yellow	6115-0-0225	26	–
carat				
6125/02-81-500	anthracite	6115-0-0216	26	–
6125/02-82-500	savanna/ivory	6115-0-0217	26	–
6125/02-84-500	davos/studio white	6115-0-0219	26	–
pur stainless steel				
6125/02-866-500	pur stainless steel	6115-0-0223	26	–
Busch-axcent®				
6125/02-84-500	davos/studio white	6115-0-0219	26	–

Type	Detail	Order code	PG	MW
			*	**



L_6127_02-84

Control Element, 4/8-fold, multifunction, FM



suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. Two freely programmable RGB LEDs per rocker. With RGB colour code concept or red/green/OFF-operation. With labeling field. Transparent labeling sheet with standard symbols included in delivery.

future® linear				
6127/02-81-500	anthracite	6117-0-0232	26	–
6127/02-82-500	savanna/ivory	6117-0-0233	26	–
6127/02-83-500	aluminium silver	6117-0-0234	26	–
6127/02-84-500	davos/studio white	6117-0-0235	26	–
6127/02-884-500	studio white, matt	6117-0-0242	26	–
6127/02-885-500	black, matt	6117-0-0243	26	–
solo®				
6127/02-82-500	savanna/ivory	6117-0-0233	26	–
6127/02-84-500	davos/studio white	6117-0-0235	26	–
6127/02-87-500	toscana/purple	6117-0-0237	26	–
6127/02-803-500	meteor/metallic grey	6117-0-0240	26	–
6127/02-815-500	sahara/yellow	6117-0-0241	26	–
carat				
6127/02-81-500	anthracite	6117-0-0232	26	–
6127/02-82-500	savanna/ivory	6117-0-0233	26	–
6126/02-84-500	davos/studio white	6117-0-0235	26	–
pur stainless steel				
6127/02-866-500	pur stainless steel	6117-0-0239	26	–
Busch-axcent®				
6127/02-84-500	davos/studio white	6117-0-0235	26	–



L_6126_02-84

Control Element, 2/4-fold, multifunction, FM



suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. Two freely programmable RGB LEDs per rocker. With RGB colour code concept or red/green/OFF-operation. With labeling field. Transparent labeling sheet with standard symbols included in delivery.

future® linear				
6126/02-81-500	anthracite	6116-0-0206	26	–
6126/02-82-500	savanna/ivory	6116-0-0207	26	–
6126/02-83-500	aluminium silver	6116-0-0208	26	–
6126/02-84-500	davos/studio white	6116-0-0209	26	–
6126/02-884-500	studio white, matt	6116-0-0216	26	–
6126/02-885-500	black, matt	6116-0-0217	26	–
solo®				
6126/02-82-500	savanna/ivory	6116-0-0207	26	–
6126/02-84-500	davos/studio white	6116-0-0209	26	–
6126/02-87-500	toscana/purple	6116-0-0211	26	–
6126/02-803-500	meteor/metallic grey	6116-0-0214	26	–
6126/02-815-500	sahara/yellow	6116-0-0215	26	–
carat				
6126/02-81-500	anthracite	6116-0-0206	26	–
6126/02-82-500	savanna/ivory	6116-0-0207	26	–
6126/02-84-500	davos/studio white	6116-0-0209	26	–
pur stainless steel				
6126/02-866-500	pur stainless steel	6116-0-0213	26	–
Busch-axcent®				
6126/02-84-500	davos/studio white	6116-0-0209	26	–



L_6129_01-84

Control Element, 3/6-fold, multifunction, with IR-Interface, FM



suitable for KNX bus coupler 6120/12-101-500 and 6120/13-500. With IR interface for Busch-remote controllers 6010-25 or 6020-.../6021-... . Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. Two freely programmable RGB LEDs per rocker. With RGB colour code concept or red/green/OFF-operation. With labeling field. Transparent labeling sheet with standard symbols included in delivery.

future® linear				
6129/01-81-500	anthracite	6135-0-0156	26	–
6129/01-82-500	savanna/ivory	6135-0-0157	26	–
6129/01-83-500	aluminium silver	6135-0-0158	26	–
6129/01-84-500	davos/studio white	6135-0-0146	26	–
6129/01-884-500	studio white, matt	6135-0-0165	26	–
6129/01-885-500	black, matt	6135-0-0166	26	–
solo®				
6129/01-82-500	savanna/ivory	6135-0-0157	26	–
6129/01-84-500	davos/studio white	6135-0-0146	26	–
6129/01-87-500	toscana/purple	6135-0-0160	26	–
6129/01-803-500	meteor/metallic grey	6135-0-0163	26	–
6129/01-815-500	sahara/yellow	6135-0-0164	26	–
carat				
6129/01-81-500	anthracite	6135-0-0156	26	–
6129/01-82-500	savanna/ivory	6135-0-0157	26	–
6129/01-84-500	davos/studio white	6135-0-0146	26	–
pur stainless steel				
6129/01-866-500	pur stainless steel	6135-0-0162	26	–
Busch-axcent®				
6129/01-84-500	davos/studio white	6135-0-0146	26	–

ABB i-bus® KNX Operation

Type	Detail	Order code	PG	MW
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L_6320_10-24

Busch-triton® Control Element, 1/2-fold, FM



with intergrated bus coupling unit. With IR interface for Busch-remote controllers. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). With labeling field.

alpha	Detail	Order code	PG	MW
6320/10-20-500	platinum	6320-0-0002	26	-
6320/10-24G-500	studio white,high gloss	6320-0-0004	26	-
6320/10-260-500	palladium	6320-0-0010	26	-
impuls				
6320/10-79-500	champagne metallic	6320-0-0006	26	-
future® linear				
6320/10-83-500	aluminum silver	6320-0-0008	26	-



L_6320_30-24

Busch-triton® Control Element, 3/6-fold, FM



with intergrated bus coupling unit. With IR interface for Busch-remote controllers. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). With labeling field.

alpha	Detail	Order code	PG	MW
6320/30-20-500	platinum	6320-0-0012	26	-
6320/30-24G-500	studio white,high gloss	6320-0-0014	26	-
6320/30-260-500	palladium	6320-0-0020	26	-
impuls				
6320/30-79-500	champagne metallic	6320-0-0016	26	-
future® linear				
6320/30-83-500	aluminum silver	6320-0-0018	26	-



L_6320_50-24

Busch-triton® Control Element, 5/10-fold, FM



with intergrated bus coupling unit. With IR interface for Busch-remote controllers. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). With labeling field.

alpha	Detail	Order code	PG	MW
6320/50-20-500	platinum	6320-0-0032	26	-
6320/50-24G-500	studio white,high gloss	6320-0-0034	26	-
6320/50-260-500	palladium	6320-0-0040	26	-
impuls				
6320/50-79-500	champagne metallic	6320-0-0036	26	-
future® linear				
6320/50-83-500	aluminum silver	6320-0-0038	26	-

Type	Detail	Order code	PG	MW
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L_6320_38-24

Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM



With intergrated bus coupling unit. With IR interface for Busch-remote controllers. For heating and cooling (PI, PWM or 2-point). Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. With manual and automatic adjustment of fan levels. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). LCD displaying operation mode and temperature. With labeling field.

alpha	Detail	Order code	PG	MW
6320/38-20-500	platinum	6320-0-0022	26	-
6320/38-24G-500	studio white,high gloss	6320-0-0024	26	-
6320/38-260-500	palladium	6320-0-0030	26	-
impuls				
6320/38-79-500	champagne metallic	6320-0-0026	26	-
future® linear				
6320/38-83-500	aluminum silver	6320-0-0028	26	-



L_6320_58-24

Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM



With intergrated bus coupling unit. With IR interface for Busch-remote controllers. For heating and cooling (PI, PWM or 2-point). Constant room temperature controller for fan-coil applications (up to 5-speed level ventilation actuators in 2- and 4-pipe systems) and conventional heating and cooling systems. With manual and automatic adjustment of fan levels. Push button function: switching/dimming/blind/value sending/light scenes/step-type switch functions. Switch contacts left/right. One freely programmable LED per rocker (red/green/OFF). LCD displaying operation mode and temperature. With labeling field.

alpha	Detail	Order code	PG	MW
6320/58-20-500	platinum	6320-0-0042	26	-
6320/58-24G-500	studio white,high gloss	6320-0-0044	26	-
6320/58-260-500	palladium	6320-0-0050	26	-
impuls				
6320/58-79-500	champagne metallic	6320-0-0046	26	-
future® linear				
6320/58-83-500	aluminum silver	6320-0-0048	26	-



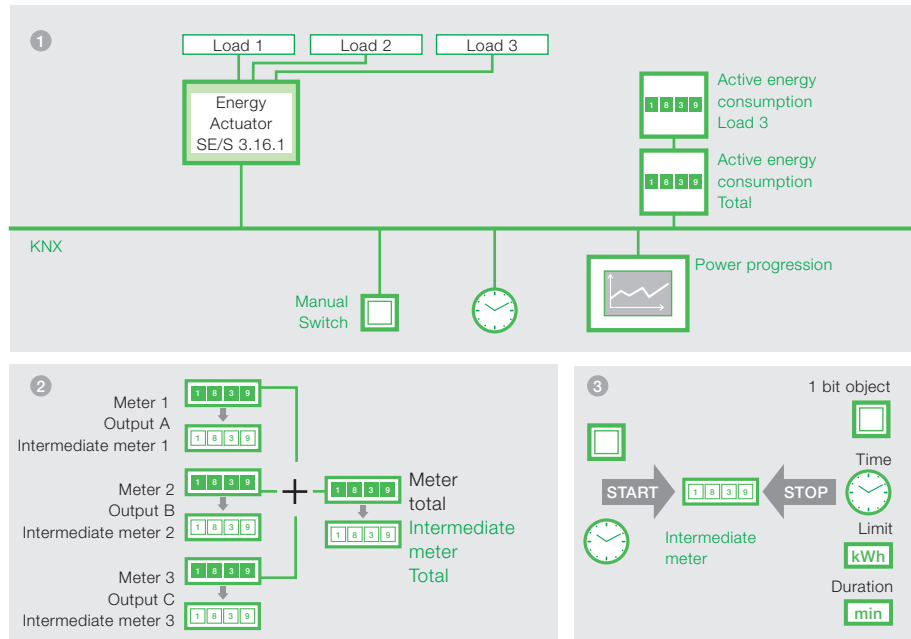
SK 0062 B01

Infra-Red Hand Held Transmitter

For infra-red receiver and KNX flush-mounted infra-red interface. Switching and dimming of up to 10 consumers in 2 groups (1-5/6-10). Programming and selection of 2 MEMO memories per group is possible. Power supply: 4 alkaline manganese batteries, IEC LR03 (microcell) not included in scope of supply. Detection range: frontal 15 m.

6010-25-500	6020-0-1133	19	-
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ABB i-bus® KNX Energy Actuator



Application

- Active consumption measurement
- Monitoring of electrical values
- Load management through load control
- Switch Actuator, 3-fold

Benefits

- Detection and representation of energy consumption in buildings
- Enhancement of the energy efficiency
- Intelligent control of the loads in the end circuit

Product

Energy Actuator SE/S 3.16.1

The new ABB i-bus® KNX Energy Actuator SE/S 3.16.1 is a Switch Actuator that records the energy consumption of the connected electrical loads in the building.

With the intelligent power grids of tomorrow – the Smart Grids – the electrical building installations will be facing new challenges. In order to increase the energy efficiency of buildings and at the same time integrate the consumers in the load compensation, it is necessary to switch electrical devices in buildings on and off based on external signals such as time, consumption thresholds or similar. The ABB i-bus® KNX provides the optimum prerequisites for intelligent buildings.

The new Energy Actuator determines the active energy consumption per switching output. Furthermore, it provides the total consumption of all three outputs. All meter values can be sent cyclically, on request or when a start or stop event has occurred such as a time, operating period or when

a defined consumption threshold is reached. Furthermore, when a stop event occurs, the assigned output can be switched off.

For each channel, the active power, current and voltage as well as further electrical variables (apparent power, crest factor, power factor and frequency) can be measured. The measured values are made available via the KNX. They can be monitored with threshold values. Should an overshoot or undershoot of a defined threshold occur, a warning can be sent or a channel switched.

The ETS application also enables a simple load management functionality, where up to ten Energy Actuators can be interconnected. The electrical loads connected to the three floating switch outputs can be switched via KNX or manually directly on the device.

Energy Efficiency with ABB® KNX Optimization Options Based on the European standard EN 15232

Energy classes to EN 15232	Potential savings with thermal energy			Potential savings with electrical energy		
	Office	School	Hotel	Office	School	Hotel
A Highly energy efficient room automation and networked trades	0.70	0.80	0.68	0.87	0.86	0.90
B High quality, system-optimised individual solution, partly networked	0.80	0.88	0.85	0.93	0.93	0.95
C Standard room automation, used as point of reference	1	1	1	1	1	1
D No room automation, not energy-efficient	1.51	1.20	1.31	1.10	1.07	1.07

Function list and assignment to the ratings of building automation – energy efficiency (section from table 1 of the EN 15232:2007 [D])

	Heating / Cooling	Ventilation / Climate control	Illumination	Sun protection
A	<ul style="list-style-type: none"> – Integrated individual room control incorporating requirement control (through usage, air quality, etc.) – Demand controlled or external temperature controlled flow temperature – Complete interlock of heating and cooling operation 	<ul style="list-style-type: none"> – Occupancy-dependent or requirement-dependent control of the air flow at room level – Control of the flow temperature with variable setpoint dependent on the load – Control of room or discharge air humidity 	<ul style="list-style-type: none"> – Constant lighting control – Switch on/off via presence detector 	<ul style="list-style-type: none"> – Electrical blind drive and sun protection control with networking of blind and lighting controls as well as networking of the blind control and heating, ventilation, climate control
B	<ul style="list-style-type: none"> – Individual room control with communication between the control units and building automation – Demand controlled or external temperature controlled flow temperature – Partial heating and cooling system interlock (dependent on HVAC system) 	<ul style="list-style-type: none"> – Time-dependent control of the air flow at room level – Control of the flow temperature with variable setpoint dependent on the external temperature – Control of the replacement air humidity 	<ul style="list-style-type: none"> – External light source dependent lighting control – Switch on/off via presence detector 	<ul style="list-style-type: none"> – Electrical blind drives and automatic shading control
C	<ul style="list-style-type: none"> – Automatic individual room control using thermostat valves or electronic control units – Demand controlled or external temperature dependent variable flow temperature – Partial heating and cooling system interlock (dependent on HVAC system) 	<ul style="list-style-type: none"> – Time-dependent control of the air flow at room level – Control of the flow temperature with constant setpoint – Limitation of the replacement air humidity 	<ul style="list-style-type: none"> – Lighting intensity manually controlled / dimmable – Switch on/off manually with higher-level override 	<ul style="list-style-type: none"> – Electrical blind control and simple automatic shading
D	<ul style="list-style-type: none"> – Central automatic control or no automatic control – Constant flow temperature – No interlock between heating and cooling operation 	<ul style="list-style-type: none"> – Manual or no control of the air flow at room level – Constant flow temperature – No air humidity control 	<ul style="list-style-type: none"> – Manual switch on/off 	<ul style="list-style-type: none"> – Electrical blind drives with manual operation

ABB i-bus[®] KNX Energy Management

Type	Detail	Order code	PG	MW
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2CDC 071 021 S0010

Energy Actuator, 3-fold, 16/20 AX, MDRC

Records the energy consumption of the connected electrical loads in the load circuit. Various electrical variables can be monitored and load peaks can be limited by simple load control. The 3 output channels can be manually operated and display the current switching state. The Energy Actuator can switch resistive, inductive and capacitive loads. The switching capacity corresponds to the the SA/S X.16.6.1. Further information, see page 40.

SE/S 3.16.1	2CDG 110 136 R0011	26	4
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2CDC 071 153 F0007

Meter Interface Module, MDRC

It records consumption and measured values of the electrical energy consumption meters. Using an infra-red interface, the ABB energy meter types DELTAplus, DELTAsingle and ODIN are incorporated. The information and data which is read can be used, for example, for cost centre accounting, energy optimisation, monitoring of installations and visualisation.

- Simple and fast installation
- Energy consumption meter types DELTAplus, DELTAsingle or ODIN can be read
- Automatic communications build up with monitoring
- Instrument values such as current and voltage can be transferred
- Ideal for retrofitting

The following values are available (depending on the meter type)

Meter reading

Active energy	Tariff 1-4, total
Reactive energy	Tariff 1-4, total

Power values

Active power	L1, L2, L3, total
Reactive power	L1, L2, L3, total
Apparent power	L1, L2, L3, total
Phase angle power	L1, L2, L3, total
Power factor	L1, L2, L3, total

Instrument values

Voltages	L1-N, L2-N, L3-N, L1-L2, L2-L3
Currents	L1, L2, L3
Phase angle voltage	L1, L2, L3, total
Phase angle current	L1, L2, L3, total
Quadrant	L1, L2, L3, total
Mains frequency	

Other

Transformer ratio	Read CT and VT
Power failures	Send and delete
Tariffs	Read and changeover
Status information	Send and read
Communication monitoring	

ZS/S 1.1	2CDG 110 083 R0011	26	2
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The Meter Interface Module ZS/S 1.1 is suitable for the following meter types:



2CDC 071 150 F0007

DELTAplus

- Active and reactive energy
- 2, 3 and 4-wire current networks of any rating
- PTB approval, sealable
- Direct connection up to 80 A
- Transformer rated (/1 A and /5 A) with transformer rated meter
- Multiple tariff meter (2 or 4 tariffs)
- Accuracy class 1 or 2
- Adjustable transformation ratio
- Installation self test



2CDC 071 151 F0007

DELTAsingle

- 2-wire networks up to 80 A
- Multiple tariff meter (2 or 4 tariffs)
- Optional internal clock for tariff switching



2CDC 071 152 F0007

ODIN

- 4-wire three-phase meter
- Direct connection up to 65 A or /5 A with transformer rated meter
- Adjustable transformation ratio



2CDC 101 175 F0008

ODINsingle

- Single phase meter for direct metering up to 65 A
- Resettable energy register
- Statusbyte

ABB i-bus® KNX Security Terminal



The compact solution for security applications – the new Security Terminals.

The new Security Terminal provides a compact security solution with KNX applications for detection and signalling of intrusion, personal attack and technical hazards.

They are used as the **interface between the security technology sensors and KNX.**

Depending on the configuration, the devices feature 2, 4 or 8 inputs – so-called detector circuits or zones. They are used for **monitoring connected passive detectors** (e.g. magnetic contacts, glass break sensors, etc.) to the ABB i-bus® KNX as well as for **connection of floating contacts in applications with enhanced security requirements.**

Through the connection of security technology and KNX, the detectors employed can, in addition to the security functions, also be used for heating control (e.g. window contact signal for control of the heating valve) or lighting control (e.g. central switch off of the lighting when the alarm logic is set).

The Security Terminals can be used as autonomous systems with the **newly integrated alarm logic**, in conjunction with the Security Module SCM/S or with an Intrusion Alarm Panel L240 with KNX Interface XS/S.

The **new application program** offers several functions for security applications, such as

- Monitoring of the 12 V DC auxiliary voltage supply
- Direct and delayed setting (arming)
- Internal setting with occupancy and external setting when absent
- Setting of the connected detector types (closed room, exterior perimeter, personal attack, tampering, technical and lock monitoring detectors)
- Reset input and setting input
- Detector monitoring
- Zones can be switched off
- Alerting modes (intrusion, personal attack, tampering and technical alarms)
- Setting for freely programmable relay outputs, e.g. for direct control of signalling devices.

Application

Compact security solution with KNX applications for detection and signalling of intrusion, personal attack and technical dangers

Monitored connection of security technology sensors

Direct control of signalling devices

Benefits

Simultaneous usage of the security technology for supporting building management

Individual operation and display option for the security functions via KNX

Event-driven scene control

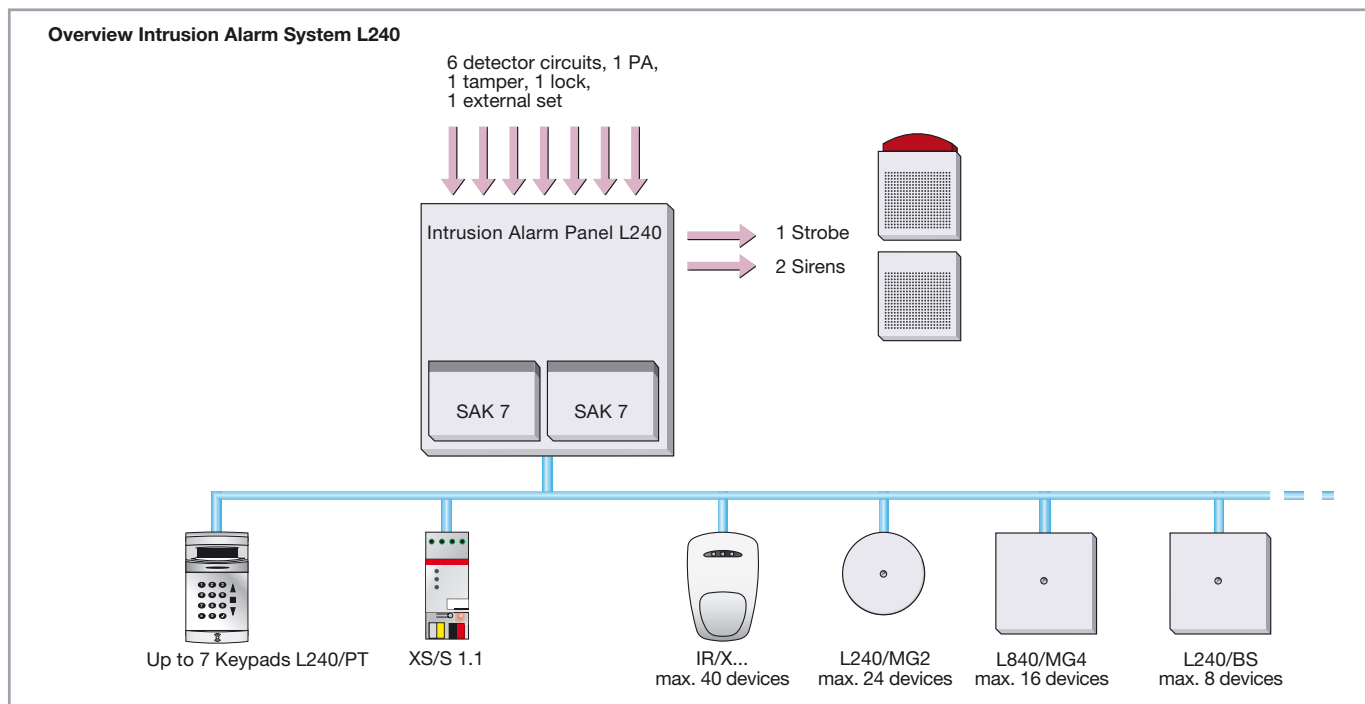
Product

Security Terminal, 8-fold, MDRC, MT/S 8.12.2M

Security Terminal, 4-fold, MDRC, MT/S 4.12.2M

Security Terminal, 2-fold, FM, MT/U 2.12.2

ABB i-bus® KNX Intrusion Alarm System L240



Intrusion Alarm Panel L240 with bus technology

This is the universal solution for all applications. The following bus modules can be connected to the panel: 2 Zone Modules L240/MG2 for connection to the exterior perimeter detectors, such as magnetic reed contacts and passive glass break sensors. The module has 2 zones, to which 2 detectors can be connected via LSA terminals. The module is an intelligent distributor by simple installation in a 60 mm installation box in the vicinity of the window.

Zone Module L840/MG4 for expansion of the panel by up to 4 detector circuits. A SAD enclosure is required. Interface Module L240/IP for programming of the L240 via PC, incl. software WinPC.

Supplementary Power Supply Unit L240/N in an enclosure for 2 x 7.2 Ah batteries; incl. bus amplifier/isolator and 4 detector circuits. In a VdS compliant system, an additional L240/N is required for each additional setting zone. Also the case for systems, where the emergency power capacity of the installed power supply is insufficient for the Intrusion Alarm Panel L240.

SafeKey Evaluation Module L240/BS for connection of the SafeKey components as well as all components required for a setting door (magnetic contacts, lock bolt switching contact, bolt lock, internal siren). The management of the electronic keys from the SafeKey range is undertaken completely on the LCD keypad of the panel.

In total, 80 detectors or detector circuits (zones) (10 groups to the panel and a further 70 on the bus). Furthermore, up to 8 x L240/BS – a total of 8 doors – can be connected, and 4 setting zones can be formed. The interface to KNX facilitates complete integration of the security functions into the KNX system, up to VdS class C.

Risk allocation, classification

- VdS approved as an Intrusion Alarm Panel for VdS classes A, B, C
- Corresponds to DIN VDE 0833 parts 1 & 3
- Stage 3 according to European standard EN 50131-1 "medium to high risk"

Typical areas of application

- Residential and commercial properties with more than one security zone, commercial zones up to stage 6, and banks with an insurance company/police requirement for a medium to high risk alarm system
- Application limitations:
- The Intrusion Alarm Panel is suitable for all types of risk
 - The limits of the application are only in the scale of the system (number of detector zones)
 - The Intrusion Alarm Panel is suitable for up to four setting zones

Degree of expansion

- 4 setting zones
 - 80 programmable inputs
 - Motion detectors can be connected to the bus
 - Window contacts and glass break sensors can be connected to the bus via the Bus Module L240/MG2
- The panel can be extended with up to 8 SafeKey Evaluation Modules L240/BS and Zone Modules L240/MG2 and/or L840/MG4.

Obligatory system accessories

- 1 Battery SAK7
- 1 Keypad L208/PT or L840/PT (L840/PT essential for programming) per setting zone

Optional system accessories

- Max. 7 Keypads L208/PT or L840/PT; can be combined
- Max. 2 Batteries SAK7
- 8 SafeKey Evaluation Modules L240/BS or 4 L840/B
- Zone Modules L240/MG2 and/or L840/MG4
- 1 Serial Interface L208/V.24
- 1 Ethernet Interface L240/IP
- Supplementary Power Supply L240/N
- KNX Interface XS/S 1.1

Suitable alarm equipment

- Internal siren for occupancy alarm: 1 SSS
- External siren/strobe: 1 SSF/G and 1 SSF/GB
- Silent alarm: TSQ8

Suitable setting devices

- Internal setting via Keypad L208/PT or L840/PT

External setting

- Via Keypad L840/PT delayed in the security zone
- With SafeKey components on L240/BS up to 8 doors

Suitable sensors

All detectors and contacts from the ABB intrusion alarm range. The total current consumption must be observed.

ABB i-bus® KNX Security and Surveillance

Type	Detail	Order code	PG	MW
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2CDC 071 051 F0005

Fault Monitoring Unit, MDRC

It is used to detect and manage up to 100 fault messages which are processed within the unit and can be forwarded to a display unit. Furthermore, an optical and an acoustic collective status signal is provided. Messages can be acknowledged and data losses can be reported.

The devices support message formats to DIN 19 235: messages with continuous lighting, new value messages with simple flashing light, initial value messages with simple acknowledgement, motor messages. Current values can be centrally scanned.

SMB/S 1.1		GH Q631 0085 R0111	26	2
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2CDC 071 123 F0005

Monitoring Unit, MDRC

Monitors up to 100 bus devices in KNX systems, which can be divided into 5 groups.

The devices are monitored to ensure their presence and minimum functionality (send and receive). Monitoring can be undertaken based on the physical address or the group address. A total of four different monitoring modes are available.

EUB/S 1.1		2CDG 110 066 R0011	26	2
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2CDC 071 247 F0006

Data Logging Unit, MDRC

It detects local operation cycles and operating hours to plan the maintenance or durability evaluation of the devices. For each of the 35 channels to be monitored, limit values can be set and a message sent if this limit is exceeded. The logging of operating hours can be predetermined for the total or remaining time. These values can be modified via communication objects.

BDB/S 1.1		2CDG 110 067 R0011	26	2
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Security Products

Using the following range of security products, it is possible to implement a variety of tasks from basic monitoring functions to professional security installations in conjunction with ABB i-bus®. Typical applications range from simple functions, e.g. opening surveillance or lock monitoring of doors and windows, reporting fractures in water pipes or the early detection of smoke to installations in buildings with VdS requirements (class A, B or C).



SK 110 B01

Intrusion Alarm Panel

For the protection of small to medium residential and commercial properties against intrusion and technical faults. VdS approved as an Intrusion Alarm Panel for VdS classes A, B, C. Corresponds to DIN VDE 0833 parts 1 & 3, Stage 3 according to European standard EN 50131-1 "medium to high risk".

L240/ENG		2CDG 230 017 R0011	50	-
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Type	Detail	Order code	PG	MW
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2CDC 541 156 D0101

Interface for Intrusion Alarm Panel, MDRC

The Intrusion Alarm Panel L240 with a comprehensive range of sensors for all surveillance tasks, and the comfortable arming mechanism SafeKey, provide a universal solution for professional applications. Integration into KNX systems is possible using the Interface XS/S1.1. Accordingly there are numerous benefits: For example, a door/window opening detector can be used to switch off the heating and save energy in the unset state. When an alarm is triggered, the KNX devices can carry out actions such as switching on the light or operating the blinds. The interaction offers further benefits in terms of system integration, which comply to the demands of the VdS up to Class C.

XS/S 1.1		2CDG 110 075 R0011	26	2
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2CDC 063 018 F0009

LCD Keypad

For operation and programming of the panel. The messages are displayed on a two-line LCD display. Menu driven operation and programming of the panel. Internal and external setting on the keypad is possible. VdS class C.

L240/PT		2CDG 230 014 R0011	50	-
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Serial Interface Module

For programming of the L240 via PC with serial interface V24, incl. Software WinPC.

L208/V.24		GH Q328 0220 R0001	50	-
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IP Interface Module

For programming of the L240 via PC with Ethernet interface, incl. Software WinPC.

L240/IP		2CDG 230 013 R0011	50	-
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SK 252 B01

Sealed Lead Acid Battery, 12 V DC, 7 Ah

For Intrusion Alarm Panel emergency power. 2 units can be installed. VdS class C.

SAK7		GH V924 0001 V0011	50	-
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ABB i-bus® KNX

Security and Surveillance

Type	Detail	Order code	PG	MW
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BUS-Infra-Red Motion Detector

For direct connection to the bus of the Intrusion Alarm Panel L240, whereby a maximum of 40 detectors can be addressed by the panel. The motion detectors with passive infra-red technology are registered for VdS classes B and C (anti-masking monitored). They facilitate monitoring of an area with an IR range of up to 15 m.

IR/XB	VdS No. G 110 506	2CDG 230 023 R0011	50	–
IR/XC	VdS No. G 110 062	2CDG 230 024 R0011	50	–



BUS-Dual Motion Detector

For direct connection to the bus of the Intrusion Alarm Panel L240, whereby a maximum of 40 detectors can be addressed by the panel. The Dual-Motion Detector combines proven passive infra-red technology with temperature-independent microwave technology. The combination of both functional principles results in a detector featuring high immunity to false alarms, even with unfavourable ambient conditions, and which still has high detection security. The detectors are registered for VdS classes B and C (anti-masking monitored). They facilitate monitoring of an area with an IR range of up to 15 m.

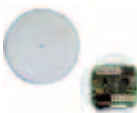
EIM/XB	VdS No. G 110 513	2CDG 230 025 R0011	50	–
EIM/XC	VdS No. G 110 061	2CDG 230 026 R0011	50	–



Mounting Bracket

For motion detectors

MW		GH V923 0039 V0020	50	–
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Zone Bus-Module, 2-fold, FM

For expansion of the panel by 2 detector circuits. Used for connection to the exterior perimeter detectors such as magnetic reed contacts and passive glass break sensors. The module has 2 zones to which 2 detectors can be connected via LSA terminals. The module is an intelligent distributor by simple installation in a 60 mm installation box in the vicinity of the window.

L240/MG2		2CDG 220 003 R0011	50	–
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Zone Bus-Module, 4-fold

For expansion of the panel by 4 detector circuits. An SAD enclosure is required for installation.

L840/MG4		GH Q328 0011 R0001	50	–
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SafeKey Wall Reader, SM

For setting/unsetting with the Evaluation Module L240/BS. The unit is actuated by inserting the electronic SafeKey chipkey. The SafeKey Wall Reader WEL is equipped with the key reader and an acknowledgement buzzer. VdS class C.

WEL/A, ES		GH Q305 0023 R0001	53	–
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Type	Detail	Order code	PG	MW
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SafeKey Wall Reader with Keypad, SM

For setting/unsetting with the Evaluation Module L240/BS. The unit is actuated by inserting the electronic SafeKey chipkey and/or by a code keypad. The SafeKey Wall Reader WELT is equipped with the key reader, an acknowledgement buzzer and a code keypad. VdS class C.

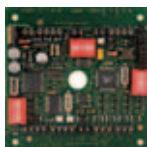
WELT/A, ES	stainless steel	GH Q305 0024 R0001	53	–
WELT/A, MC	matt chrome-plated	GH Q305 0024 R0011	53	–



SafeKey Chipkey

It is an electronic carrier medium for lock actuation and for setting/unsetting on a strike plate, door cylinder or wall reader. A SafeKey Chipkey can be authorized for any number of different SafeKey systems with different levels of authorization.

SCS		GH Q305 0027 R0001	53	–
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SafeKey Evaluation Module

For connection of the SafeKey components as well as all components required for a setting door (magnetic contacts, lock bolt switching contact, bolt lock, internal siren). For direct connection to the bus of the Intrusion Alarm Panel L240.

The management of the electronic keys from the SafeKey range is undertaken completely on the LCD keypad of the panel.

L240/BS		GH Q305 0031 R0001	53	–
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SafeKey Switching Module

is used for an easy connection and evaluation of the SafeKey Wall Reader with or without keypad (WEL or WELT). Applicable for potential-free switching of electrical components up to 5 A at a max. voltage of 12...24 V DC/AC, i.e. electrical door opener or garage doors, or to set/unset a KNX security system via the connection to a Security Terminal MT/x. In subject to the housing type the module can be used for surface or flush mount. A 12 V power supply is required.

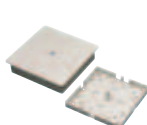
SSM/A	Surface mounting	2CDG 240 019 R0011	53	–
SSM/U	Flush mounting	2CDG 240 020 R0011	53	–



Electromechanical Bolt Lock

Prevents access to the set zone of an Intrusion Alarm Panel. The unit is mounted in the door frame. Only a single bore or the counterpart for the locking bolt in the door panel is required. Suitable for use with WEL and WELT. VdS class C.

ESPE		GH V925 0010 V0001	50	–
EVS	Replacement Locking Bolt	GH V925 0010 V0002	50	–
AMSP	Mounting kit, flat door panel and frame	GH V925 0010 V0004	50	–
AMSE	Mounting kit, raised door panel	GH V925 0010 V0003	50	–



Distribution Enclosures

For installation of the Bus Modules L840/MG4 and L240/BS.

SAD/GAP	Surface mounting	GH Q328 0015 R0001	50	–
SAD/GUP	Flush mounting	GH Q328 0013 R0001	50	–
SAD/ED	Wall box for SAD/GUP	GH Q328 0014 R0001	50	–

ABB i-bus® KNX Security and Surveillance

Type	Detail	Order code	PG	MW
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2CDC 071 024 S0010

Security Terminal, 4-fold, MDRC

They are used as the interface between the security technology sensors and the KNX. The device features 4 inputs, so-called zones. They are used for monitoring connected passive detectors, e.g. magnetic contacts and/or glass break sensors on the ABB i-bus® KNX and/or for connection of floating contacts in applications with enhanced security requirements. The device can be used as a system with autonomous alarm logic or in combination with the Security Module SCM/S or an Intrusion Alarm Panel L240 with KNX interface XS/S. The device requires an external 12 V DC SELV auxiliary power supply, (e.g. NTU/S 12.2000.1).

MT/S 4.12.2M	2CDG 110 109 R0011	26	4
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2CDC 071 025 S0010

Security Terminal, 8-fold, MDRC

They are used as the interface between the security technology sensors and the KNX. The device features 8 inputs, so-called zones. They are used for monitoring connected passive detectors, e.g. magnetic contacts and/or glass break sensors on the ABB i-bus® KNX and/or for connection of floating contacts in applications with enhanced security requirements. The device can be used as a system with autonomous alarm logic or in combination with the Security Module SCM/S or an Intrusion Alarm Panel L240 with KNX interface XS/S. The device requires an external 12 V DC SELV auxiliary power supply, (e.g. NTU/S 12.2000.1).

MT/S 8.12.2M	2CDG 110 110 R0011	26	4
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2CDC 071 026 S0010

Security Terminal, 2-fold, FM

They are used as the interface between the security technology sensors and the KNX. The device features 2 inputs, so-called zones. They are used for monitoring connected passive detectors, e.g. magnetic contacts and/or glass break sensors on the ABB i-bus® KNX and/or for connection of floating contacts in applications with enhanced security requirements. The device can be used as a system with autonomous alarm logic or in combination with the Security Module SCM/S or an Intrusion Alarm Panel L240 with KNX interface XS/S. The device requires an external 12 V DC SELV auxiliary power supply, (e.g. NTU/S 12.2000.1).

MT/U 2.12.2	2CDG 110 111 R0011	26	-
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2CDC 071 134 R0004

Security Module, MDRC

The module provides the necessary logic functions to link the various KNX devices (e.g. zone terminals) to a security system. Up to 64 different zones can be evaluated via communication objects. Arming, operation and display are also implemented using communication objects. The device has a freely programmable relay output for connection of a signal encoder. An uninterruptable KNX power supply with battery back-up is recommended for security function buffering on mains failure.

SCM/S 1.1	2CDG 110 024 R0011	26	2
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Type	Detail	Order code	PG	MW
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SK 0116 B01

Magnet Reed Contact Set

For opening surveillance of windows and doors, complete for bolting or drilling
Contents: 1 magnet, 1 reed contact with 4.0 m connection cable LIYY 4 x 0.14 mm², 2 housings, 2 spacer plates, 2 flanges and 4 anti-magnetic fixing screws. **VdS No. G 191549.**
VdS class B.

MRS/W	white	GH Q320 1972 R0001	50	-
MRS/B	brown	GH Q320 1972 R0002	50	-
VMRS/W	Saver Set (20 pcs.), white	GH Q320 1972 R0011	50	-
VMRS/B	Saver Set (20 pcs.), brown	GH Q320 1972 R0012	50	-



SK 0119 B01

Rolling Door Magnet Reed Contact Set

For monitoring opening or rolling doors or other large doors in the industrial field.
Contents: 1 magnet, 1 reed contact with 2 m connection cable 4 x 0.14 mm², 1 m protective tubing and 1 set of mounting accessories.
Degree of protection: IP 68;
Environmental class to VdS 4; VdS class B.

RTK		GH Q320 1973 R0021	50	-
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SK 0127 B01

Glass Break Sensor

For surveillance of glass surfaces of windows, display windows and doors with high interference immunity and integrated memory display. For operation directly on detector circuits of intrusion alarm panels or security terminals. Extremely compact dimensions.
Dimensions: H x W x D = 18 x 18 x 9 mm
Mounted onto glass using Loctite adhesive (LKS).
With 5 m connection cable.
VdS No. G 194524.
VdS class B.

SPGS/W	white	GH V922 0004 V0009	50	-
SPGS/B	brown	GH V922 0004 V0010	50	-
GP2	Mechanical Glass Break Test Device	GH V922 0004 V0004	50	-
LKS	Loctite adhesive	GH Q400 1906 R0001	50	-



SK 0126 B01

Vibration Detector

Electronic vibration detector with an LED display. For operation directly on detector circuits of intrusion alarm panels or security terminals.
The sensitivity can be individually adjusted.
The connection cable LIYY 4 x 0.14 mm² is 4 m in length. Mounted onto glass using Loctite adhesive (LKS). **VdS No. G 194519.**
VdS class B.

EMA/W	white	GH V922 0009 V0003	50	-
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SK 0123 B01


Lock Bolt Switching Contact


For installation in the strike plate, for lock monitoring on doors. Water-tight IP 67, with 2.5 m connection cable LIYY 3 x 0.14 mm².
VdS No. G 190008.
VdS class C.

WRK/W		2CDG 250 003 R0011	50	-
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ABB i-bus® KNX Security and Surveillance


Type	Detail	Order code	PG	MW
			*	**
	Window Lock Monitoring Contact Lock monitoring is carried out with a special magnet and a reed contact. The magnet is mounted on the push rod of the window sash while the reed contact is mounted on the frame. The connection cable LYY 4 x 0.14 mm ² is 4 m in length. VdS No. G 190074. VdS class C.			
VSUE		GH V921 0018 V0022	50	-


	Window opening Plungers Indirect lock monitoring by mechanical push opening of the window in conjunction with magnetic contacts that monitor opening. Available in 2 spring strengths.			
ADB	150 N	GH V921 0018 V0020	50	-
ADB1	35 N, VdS class C	GH V921 0018 V0021	50	-


	Emergency Call Button For manual alarm tripping. Complies with the police regulations since it features permanent trip recognition, momentary-contact function, with cover contact. Surface mount version. Colour: white. VdS class C.			
ND/W	Surface mounting	GH Q713 2443 R0011	50	-
NDU/W	Flush mounting	GH Q713 2443 R0021	50	-
EP	Spare Papers (10 pcs.)	GH Q713 2443 R0003	50	-


	Cover plate Used primarily in the banking sector or other institutions, where unintentional alarm triggering is possible due to public access.			
NDA/W		GH Q713 2443 R0004	50	-


	Passive Infra-Red Detector For conventional wiring to zone inputs of an Intrusion Alarm Panel or a KNX Security Terminal. With a volumetric lens for interior monitoring. Can be optionally set for hall monitoring function up to 15 m. Color: RAL 9010 pure white; for use up to VdS class C			
IR/KB	VdS No. G 110 502	2CDG 230 027 R0011	50	-

	Dual Motion Detector This new dual detector is based on proven detection principles of the EIM detector AND incorporation of infra-red technology and electromagnetic field detection. The detector enables a detection range of 15 m with 17 zones on 6 levels. The range of the infra-red component the electromagnetic field can be adjusted separately using a jumper. Up to VdS class C; Color RAL 9010 pure white			
EIM/KB	VdS No. G 110 503	2CDG 230 028 R0011	50	-
EIM/KC	VdS No. G 110 060	2CDG 230 029 R0011	50	-

Type	Detail	Order code	PG	MW
			*	**
	Mounting Bracket For motion detectors			
MW		GH V923 0039 V0020	50	-

	Dual Ceiling Detector Operates according to the proven detection principle of the EIM detector (infra-red technology and electromagnetic field) over 360°. The range of the infra-red component can be adapted via the mounting height while the range of the electromagnetic field can be adjusted separately using a jumper. The detector is fitted with a walk test LED. Colour: RAL 9010 pure white.			
EIM/DB		2CDG 230 038 R0011	50	-

	Gas Detector For measurement and evaluation of the concentration of natural gas or liquefied gas in the air. The detector requires a 10 – 30 V DC voltage supply and has a normally open relay output contact for connection to the intrusion alarm panels and fire alarm panels, features an LED display and a Piezo buzzer. For ceiling and wall mounting.			
SGL		GH Q305 0008 R0001	50	-

	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. before the damage becomes too expensive. For operation directly on detector circuits of intrusion alarm panels or security terminals.			
SWM 4		GH Q403 0001 R0004	50	-


	Water Detector with Relay Output Features a potential free changeover contact output, an LED parallel output and a LED display. The detector resets itself automatically when the affected area dries out. The device draws its power from an external 10 ... 23 V DC voltage source.			
SWM4/RN		GH Q403 0001 R0012	50	-

ABB i-bus® KNX Security and Surveillance

Type	Detail	Order code	PG	MW
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2CDG 081 131 S0009

Optical Smoke Detector

Optical smoke detector in threshold alarm technology that detects smoke according to the scattered-light principle. The detectors feature an alarm indicator on the detector head that is visible from all angles, and which can be triggered with a permanent magnet for test purposes. A detector base is provided for mounting and cable connection purposes into which the detector is simply screwed in via the bayonet connection. Each detector is equipped with an alarm LED, which displays the stored alarm in the event of an alarm. Detector/base diameter: 110 mm. VdS approved.



FC650/O	2CDG 430 079 R0011	52	-
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2CDG 081 131 S0009

Heat Detector

Static Heat Detector in threshold alarm technology, – trigger temperature 78°C. The detectors feature an alarm indicator on the detector head that is visible from all angles, and which can be triggered with a permanent magnet for test purposes. A detector base is provided for mounting and cable connection purposes into which the detector is simply screwed-in via the bayonet connection. Each detector is equipped with an alarm LED, which displays the stored alarm in the event of an alarm. Detector/base diameter: 110 mm. VdS approved.



FC650/TMAX	2CDG 430 081 R0011	52	-
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2CDG 081 093 S0009

Detector Base, 12 V

Enables system-independent connection of the FC650 series fire detector to systems or devices that are not specifically designed for this detector technology. Examples include Intrusion Alarm Panels, KNX Security Terminals, elevator controls or other signal processing equipment. The detector base must be supplied by either a 12 V or a 24 V DV voltage supply. A floating 30 V DC/1 A changeover contacting is provided for transferring an alarm.

FC600/BREL	2CDG 430 051 R0011	52	-
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Testing Aerosol

For optical smoke detector testing, 250 ml.

FPA03	GH V902 0012 V0021	52	-
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Reed Relay, 12 V

For connection, e.g. to transistor outputs of Intrusion Alarm Panels. Coil voltage 8.5...14 V DC. Current consumption 5 mA at 12 V DC. Contact loading 24 V/100 mA.

RL	GH V927 0013 V0100	52	-
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SK 0160 B01

Electronic Solid-State Siren

Electronic solid-state siren with intermittent tone for alarm purposes in indoor installations. External dimensions: ø x H = 90 x 37 mm.

SSS	GH V927 0001 V0001	50	-
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Type	Detail	Order code	PG	MW
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Siren in Enclosure

An aluminium protective housing with additional protective enamel coating. Protected against sabotage by a case tamper contact. The alarm inputs are wired onto a terminal strip. With fixing screw (M4) for potential equalization on the base. Dimensions: H x W x D = 200 x 205 x 88 mm; Color: RAL 9002 Environmental class III to VdS

SSF/G	GH Q305 0017 R0001	50	-
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SK 0105 B01

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; Color RAL 9002. VdS No. G 101147. VdS class C.

SSF/GB	GH Q305 0018 R0001	50	-
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Busch Smoke Alarm® ProfessionalLine

For early detection of smouldering fires and open fires with smoke development indoors according to the photo-optical measurement principle (Tyndall). With installed Lithium battery. Battery life min. 10 years. With test button and muting. Can be networked with up to 12 detectors using the radio module. Can be networked via 2-wire twisted pair cable with up to 12 detectors. Acoustic alarm: installed horn (85 dBA). Cyclic functional test. Including attachment material- VdS certified. Conform to EN 14604.

6826-84	studio white	6800-0-2512	14	-
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Busch Heat Alarm ProfessionalLine

Signal triggered at over 57 °C. With installed Lithium battery. Battery life min. 10 years. With test button and muting. Can be networked via 2-wire twisted pair cable with up to 12 detectors. Can be networked with up to 12 detectors using the radio module. Acoustic alarm: installed horn (85 dBA). Cyclic functional test. Including attachment material – VdS certified. Conform to EN 14604.

6827-84	studio white	6800-0-2513	14	-
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Busch Smoke Alarm® Radio Module

For wireless networking of multiple Busch smoke alarms®/ heat alarms. With installed Lithium battery. Battery life min. 10 years. Radio frequency: 868 MHz. Range: max. 100 m outdoors, max. 30 m indoors.

6828		6800-0-2514	14	-
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Busch Smoke Alarm® Relay

For connecting external systems, e.g. KNX. Relay contact, floating changeover contact 230 V~ max. 5 A. Cable connection: up to 2 x 2 x 1.5 mm². With installed radio module. Rated voltage: 230 V~

6829-84	studio white	6800-0-2515	14	-
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Busch Smoke Alarm® Remote Control

For service purposes. With muting, test and search function.

6824-84	studio white	6800-0-2516	14	-
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ABB i-bus® KNX Frames

Type	Detail	Order code	PG	MW
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Frames, future® linear

For vertical and horizontal installation.

1721-181K	1-fold, anthracite	1754-0-4240	04	—
1721-182K	1-fold, savanna/ivory	1754-0-4230	01	—
1721-183K	1-fold, aluminium silver	1754-0-4301	04	—
1721-184K	1-fold, davos/studio white	1754-0-4235	01	—
1721-884K	1-fold, studio white, matt	1754-0-4414	01	—
1721-885K	1-fold, matt black	1754-0-4419	04	—
1722-181K	2-fold, anthracite	1754-0-4241	04	—
1722-182K	1-fold, savanna/ivory	1754-0-4231	01	—
1722-183K	2-fold, aluminium silver	1754-0-4302	04	—
1722-184K	2-fold, davos/studio white	1754-0-4236	01	—
1722-884K	2-fold, studio white, matt	1754-0-4415	01	—
1722-885K	2-fold, matt black	1754-0-4420	04	—
1723-181K	3-fold, anthracite	1754-0-4242	04	—
1723-182K	3-fold, savanna/ivory	1754-0-4232	01	—
1723-183K	3-fold, aluminium silver	1754-0-4308	04	—
1723-184K	3-fold, davos/studio white	1754-0-4237	01	—
1723-884K	3-fold, studio white, matt	1754-0-4416	01	—
1723-885K	3-fold, matt black	1754-0-4421	04	—
1724-181K	4-fold, anthracite	1754-0-4243	04	—
1724-182K	4-fold, savanna/ivory	1754-0-4233	01	—
1724-183K	4-fold, aluminium silver	1754-0-4309	04	—
1724-184K	4-fold, davos/studio white	1754-0-4238	01	—
1724-884K	4-fold, studio white matt	1754-0-4417	01	—
1724-885K	4-fold, matt black	1754-0-4422	04	—
1725-181K	5-fold, anthracite	1754-0-4244	04	—
1725-182K	5-fold, savanna/ivory	1754-0-4234	01	—
1725-183K	5-fold, aluminium silver	1754-0-4310	04	—
1725-184K	5-fold, davos/studio white	1754-0-4239	01	—
1725-884K	5-fold, studio white matt	1754-0-4418	01	—
1725-885K	5-fold, matt black	1754-0-4423	04	—



Frames, solo®

For vertical and horizontal installation.

1721-80	1-fold, chrome matt	1754-0-4104	04	—
1721-80G	1-fold, chrome gloss	1754-0-4326	04	—
1721-84	1-fold, davos/studio white	1754-0-4109	01	—
1722-80	2-fold, chrome matt	1754-0-4105	04	—
1722-80G	2-fold, chrome gloss	1754-0-4327	04	—
1722-84	2-fold, davos/studio white	1754-0-4110	01	—
1723-80	3-fold, chrome matt	1754-0-4106	04	—
1723-80G	3-fold, chrome gloss	1754-0-4328	04	—
1723-84	3-fold, davos/studio white	1754-0-4111	01	—
1724-80	4-fold, chrome matt	1754-0-4107	04	—
1724-80G	4-fold, chrome gloss	1754-0-4329	04	—
1724-84	4-fold, davos/studio white	1754-0-4112	01	—
1725-80	5-fold, chrome matt	1754-0-4108	04	—
1725-80G	5-fold, chrome gloss	1754-0-4330	04	—
1725-84	5-fold, davos/studio white	1754-0-4113	01	—

Type	Detail	Order code	PG	MW
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2C8C 071 331 F0004

Frames, carat®

For vertical and horizontal installation.

1721-810	1-fold, glass white	1754-0-4250	04	—
1721-821	1-fold, bronze	1754-0-4258	04	—
1721-823-101	1-fold, gold	1754-0-4356	04	—
1721-825	1-fold, glass black	1754-0-4322	04	—
1721-826-101	1-fold, chrome	1754-0-4360	04	—
1721-860	1-fold, stainless steel	1754-0-4254	04	—
1722-810	2-fold, glass white	1754-0-4251	04	—
1722-821	2-fold, bronze	1754-0-4259	04	—
1722-823-101	2-fold, gold, horizontal only	1754-0-4357	04	—
1722-825	2-fold, glass black	1754-0-4323	04	—
1722-826-101	2-fold, chrome, horizontal only	1754-0-4361	04	—
1722-860	2-fold, stainless steel	1754-0-4255	04	—
1723-810	3-fold, glass white	1754-0-4252	04	—
1723-821	3-fold, bronze	1754-0-4260	04	—
1723-823-101	3-fold, gold, horizontal only	1754-0-4358	04	—
1723-825	3-fold, glass black	1754-0-4324	04	—
1723-826-101	3-fold, chrome, horizontal only	1754-0-4362	04	—
1723-860	3-fold, stainless steel	1754-0-4256	04	—
1724-810	4-fold, glass white	1754-0-4253	04	—
1724-821	4-fold, bronze	1754-0-4261	04	—
1724-823-101	4-fold, gold, horizontal only	1754-0-4359	04	—
1724-825	4-fold, glass black	1754-0-4325	04	—
1724-826-101	4-fold, chrome, horizontal only	1754-0-4363	04	—
1724-860	4-fold, stainless steel	1754-0-4257	04	—



Frames, pur stainless steel

For vertical and horizontal installation.
Stainless steel material.
Anti-fingerprint (does not leave any visible fingerprints on the material).

1721-866K	1-fold, stainless steel	1754-0-4317	04	—
1722-866K	2-fold, stainless steel	1754-0-4318	04	—
1723-866K	3-fold, stainless steel	1754-0-4319	04	—
1724-866K	4-fold, stainless steel	1754-0-4320	04	—
1725-866K	5-fold, stainless steel	1754-0-4321	04	—

ABB i-bus® KNX Frames

Type	Detail	Order code	PG	MW
			*	**



Frames, axcent

For vertical and horizontal installation.

1721-281	1-fold, black	1754-0-4409	04	—
1721-284	1-fold, studiowhite	1754-0-4331	04	—
1721-285	1-fold, yellow	1754-0-4334	04	—
1721-286	1-fold, green	1754-0-4337	04	—
1721-287	1-fold, red	1754-0-4340	04	—
1721-288	1-fold, blue	1754-0-4343	04	—
1722-281	2-fold, black	1754-0-4410	04	—
1722-284	2-fold, studiowhite	1754-0-4332	04	—
1722-285	2-fold, yellow	1754-0-4335	04	—
1722-286	2-fold, green	1754-0-4338	04	—
1722-287	2-fold, red	1754-0-4341	04	—
1722-288	2-fold, blue	1754-0-4344	04	—
1723-281	3-fold, black	1754-0-4411	04	—
1723-284	3-fold, studiowhite	1754-0-4333	04	—
1723-285	3-fold, yellow	1754-0-4336	04	—
1723-286	3-fold, green	1754-0-4339	04	—
1723-287	3-fold, red	1754-0-4342	04	—
1723-288	3-fold, blue	1754-0-4345	04	—
1724-281	4-fold, black	1754-0-4412	04	—
1724-284	4-fold, studiowhite	1754-0-4346	04	—
1724-285	4-fold, yellow	1754-0-4348	04	—
1724-286	4-fold, green	1754-0-4350	04	—
1724-287	4-fold, red	1754-0-4352	04	—
1724-288	4-fold, blue	1754-0-4354	04	—
1725-281	5-fold, black	1754-0-4413	04	—
1725-284	5-fold, studiowhite	1754-0-4347	04	—
1725-285	5-fold, yellow	1754-0-4349	04	—
1725-286	5-fold, green	1754-0-4351	04	—
1725-287	5-fold, red	1754-0-4353	04	—
1725-288	5-fold, blue	1754-0-4355	04	—

Type	Detail	Order code	PG	MW
			*	**

Unique diversity of the range

01



02



03



04



05



Inner qualities and external beauty.

Busch-Jaeger switch ranges turn into a reality what their names promise. The allround high-quality carat® series, for example. From the classic Reflex SI/SI Linear via impressive high-quality pure stainless steel and up to the shining modern highlights of Busch-axcent®: Busch-Jaeger design is impressive in its promotion of style.

52

MDRC = Modular DIN-rail Component, SM = Surface Mounting, FM = Flush Mounting,
LF = Light Fitting, *PG = Price Group, **MW = Module Width 18 mm

Unique diversity of the range

06



07

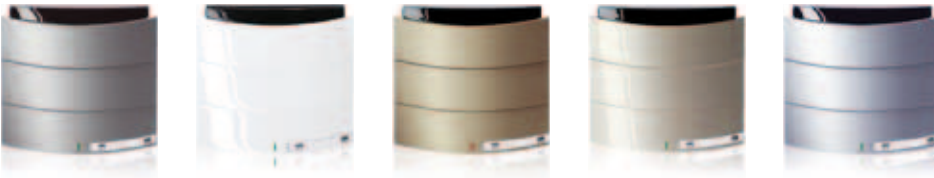


Frame design: *nea* or *exclusive*

08



09



10



01 *carat*[®]

02 *pure stainless steel*

03 *solo*[®]

04 *Busch-axcent*[®]

05 *future*[®] linear

06 *alpha*

07 *Reflex SI / SI linear*

08 *Busch-Duro 2000*[®] SI

09 *Busch-triton*[®]

10 *Busch-priOn*[®]

ABB i-bus® KNX

Selection Table According to Order Code

Order code	Description	Type	EAN	PG	Page
1754-0-4104	Frame, 1-fold	chrome, matt	1721-80	40 11395 99482 5	04 50
1754-0-4105	Frame, 2-fold	chrome, matt	1722-80	40 11395 99484 9	04 50
1754-0-4106	Frame, 3-fold	chrome, matt	1723-80	40 11395 99486 3	04 50
1754-0-4107	Frame, 4-fold	chrome, matt	1724-80	40 11395 99488 7	04 50
1754-0-4108	Frame, 5-fold	chrome, matt	1725-80	40 11395 99492 4	04 50
1754-0-4109	Frame, 1-fold	davos/studio white	1721-84	40 11395 99611 9	01 50
1754-0-4110	Frame, 2-fold	davos/studio white	1722-84	40 11395 99613 3	01 50
1754-0-4111	Frame, 3-fold	davos/studio white	1723-84	40 11395 99615 7	01 50
1754-0-4112	Frame, 4-fold	davos/studio white	1724-84	40 11395 99617 1	01 50
1754-0-4113	Frame, 5-fold	davos/studio white	1725-84	40 11395 99619 5	01 50
1754-0-4230	Frame, 1-fold	savanna/ivory	1721-182K	40 11395 05043 9	01 50
1754-0-4231	Frame, 2-fold	savanna/ivory	1722-182K	40 11395 05070 5	01 50
1754-0-4232	Frame, 3-fold	savanna/ivory	1723-182K	40 11395 05071 2	01 50
1754-0-4233	Frame, 4-fold	savanna/ivory	1724-182K	40 11395 05073 6	01 50
1754-0-4234	Frame, 5-fold	savanna/ivory	1725-182K	40 11395 05074 3	01 50
1754-0-4235	Frame, 1-fold	davos/studio white	1721-184K	40 11395 05075 0	01 50
1754-0-4236	Frame, 2-fold	davos/studio white	1722-184K	40 11395 05076 7	01 50
1754-0-4237	Frame, 3-fold	davos/studio white	1723-184K	40 11395 05077 4	01 50
1754-0-4238	Frame, 4-fold	davos/studio white	1724-184K	40 11395 05078 1	01 50
1754-0-4239	Frame, 5-fold	davos/studio white	1725-184K	40 11395 05079 8	01 50
1754-0-4240	Frame, 1-fold	anthracite	1721-181K	40 11395 05080 4	04 50
1754-0-4241	Frame, 2-fold	anthracite	1722-181K	40 11395 05081 1	04 50
1754-0-4242	Frame, 3-fold	anthracite	1723-181K	40 11395 05082 8	04 50
1754-0-4243	Frame, 4-fold	anthracite	1724-181K	40 11395 05083 5	04 50
1754-0-4244	Frame, 5-fold	anthracite	1725-181K	40 11395 05084 2	04 50
1754-0-4250	Frame, 1-fold	glass	1721-810	40 11395 05671 4	04 50
1754-0-4251	Frame, 1-fold	glass	1722-810	40 11395 05673 8	04 50
1754-0-4252	Frame, 3-fold	glass	1723-810	40 11395 05675 2	04 50
1754-0-4253	Frame, 4-fold	glass	1724-810	40 11395 05677 6	04 50
1754-0-4254	Frame, 1-fold	stainless steel	1721-860	40 11395 05679 0	04 50
1754-0-4255	Frame, 2-fold	stainless steel	1722-860	40 11395 05681 3	04 50
1754-0-4256	Frame, 3-fold	stainless steel	1723-860	40 11395 05683 7	04 50
1754-0-4257	Frame, 4-fold	stainless steel	1724-860	40 11395 05685 1	04 50
1754-0-4258	Frame, 1-fold	bronze	1721-821	40 11395 05687 5	04 50
1754-0-4259	Frame, 2-fold	bronze	1722-821	40 11395 05689 9	04 50
1754-0-4260	Frame, 3-fold	bronze	1723-821	40 11395 05691 2	04 50
1754-0-4261	Frame, 4-fold	bronze	1724-821	40 11395 05693 6	04 50
1754-0-4301	Frame, 1-fold	aluminium silver	1721-183K	40 11395 06905 9	04 50
1754-0-4302	Frame, 2-fold	aluminium silver	1722-183K	40 11395 06907 3	04 50
1754-0-4308	Frame, 3-fold	aluminium silver	1723-183K	40 11395 07015 4	04 50
1754-0-4309	Frame, 4-fold	aluminium silver	1724-183K	40 11395 07483 1	04 50
1754-0-4310	Frame, 5-fold	aluminium silver	1725-183K	40 11395 07484 8	04 50
1754-0-4317	Frame, 1-fold	stainless steel	1721-866K	40 11395 08831 9	04 50
1754-0-4318	Frame, 2-fold	stainless steel	1722-866K	40 11395 08834 0	04 50
1754-0-4319	Frame, 3-fold	stainless steel	1723-866K	40 11395 08837 1	04 50
1754-0-4320	Frame, 4-fold	stainless steel	1724-866K	40 11395 08839 5	04 50
1754-0-4321	Frame, 5-fold	stainless steel	1725-866K	40 11395 08842 5	04 50
1754-0-4322	Frame, 1-fold	glass dark	1721-825	40 11395 08891 3	04 50
1754-0-4323	Frame, 2-fold	glass dark	1722-825	40 11395 08892 0	04 50
1754-0-4324	Frame, 3-fold	glass dark	1723-825	40 11395 08893 7	04 50
1754-0-4325	Frame, 4-fold	glass dark	1724-825	40 11395 08894 4	04 50
1754-0-4326	Frame, 1-fold	chrome, glossy	1721-80G	40 11395 11305 9	04 50
1754-0-4327	Frame, 2-fold	chrome, glossy	1722-80G	40 11395 11306 6	04 50
1754-0-4328	Frame, 3-fold	chrome, glossy	1723-80G	40 11395 11307 3	04 50
1754-0-4329	Frame, 4-fold	chrome, glossy	1724-80G	40 11395 11308 0	04 50
1754-0-4330	Frame, 5-fold	chrome, glossy	1725-80G	40 11395 11309 7	04 50
1754-0-4331	Frame, 1-fold	davos/studio white	1721-284	40 11395 11324 0	04 51
1754-0-4332	Frame, 2-fold	davos/studio white	1722-284	40 11395 11325 7	04 51
1754-0-4333	Frame, 3-fold	davos/studio white	1723-284	40 11395 11326 4	04 51
1754-0-4334	Frame, 1-fold	yellow	1721-285	40 11395 11327 1	04 51
1754-0-4335	Frame, 2-fold	yellow	1722-285	40 11395 11328 8	04 51
1754-0-4336	Frame, 3-fold	yellow	1723-285	40 11395 11329 5	04 51
1754-0-4337	Frame, 1-fold	green	1721-286	40 11395 11331 8	04 51
1754-0-4338	Frame, 2-fold	green	1722-286	40 11395 11332 5	04 51
1754-0-4339	Frame, 3-fold	green	1723-286	40 11395 11333 2	04 51
1754-0-4340	Frame, 1-fold	red	1721-287	40 11395 11334 9	04 51
1754-0-4341	Frame, 2-fold	red	1722-287	40 11395 11335 6	04 51
1754-0-4342	Frame, 3-fold	red	1723-287	40 11395 11336 3	04 51
1754-0-4343	Frame, 1-fold	blue	1721-288	40 11395 11337 0	04 51
1754-0-4344	Frame, 2-fold	blue	1722-288	40 11395 11338 7	04 51
1754-0-4345	Frame, 3-fold	blue	1723-288	40 11395 11339 4	04 51
1754-0-4346	Frame, 4-fold	davos/studio white	1724-284	40 11395 11341 7	04 51
1754-0-4347	Frame, 5-fold	davos/studio white	1725-284	40 11395 11342 4	04 51
1754-0-4348	Frame, 4-fold	yellow	1724-285	40 11395 11343 1	04 51
1754-0-4349	Frame, 5-fold	yellow	1725-285	40 11395 11344 8	04 51
1754-0-4350	Frame, 4-fold	green	1724-286	40 11395 11345 5	04 51
1754-0-4351	Frame, 5-fold	green	1725-286	40 11395 11346 2	04 51
1754-0-4352	Frame, 4-fold	red	1724-287	40 11395 11347 9	04 51
1754-0-4353	Frame, 5-fold	red	1725-287	40 11395 11348 6	04 51
1754-0-4354	Frame, 4-fold	blue	1724-288	40 11395 11349 3	04 51
1754-0-4355	Frame, 5-fold	blue	1725-288	40 11395 11351 6	04 51
1754-0-4356	Frame, 1-fold	gold	1721-823-101	40 11395 11522 0	04 50
1754-0-4357	Frame, 2-fold	gold	1722-823-101	40 11395 11523 7	04 50
1754-0-4358	Frame, 3-fold	gold	1723-823-101	40 11395 11524 4	04 50

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Order code	Description	Type	EAN	PG	Page
1754-0-4359	Frame, 4-fold	gold	1724-823-101	40 11395 11525 1	04 50
1754-0-4360	Frame, 1-fold	chrome	1721-826-101	40 11395 11526 8	04 50
1754-0-4361	Frame, 2-fold	chrome	1722-826-101	40 11395 11527 5	04 50
1754-0-4362	Frame, 3-fold	chrome	1723-826-101	40 11395 11528 2	04 50
1754-0-4363	Frame, 4-fold	chrome	1724-826-101	40 11395 11529 9	04 50
1754-0-4409	Frame, 1-fold	black	1721-281	40 11395 12636 3	04 51
1754-0-4410	Frame, 2-fold	black	1722-281	40 11395 12637 0	04 51
1754-0-4411	Frame, 3-fold	black	1723-281	40 11395 12638 7	04 51
1754-0-4412	Frame, 4-fold	black	1724-281	40 11395 12638 7	04 51
1754-0-4413	Frame, 5-fold	black	1725-281	40 11395 12661 5	04 51
1754-0-4414	Frame, 1-fold	studio white, matt	1721-884K	40 11395 12824 4	01 50
1754-0-4415	Frame, 2-fold	studio white, matt	1722-884K	40 11395 12825 1	01 50
1754-0-4416	Frame, 3-fold	studio white, matt	1723-884K	40 11395 12826 8	01 50
1754-0-4417	Frame, 4-fold	studio white, matt	1724-884K	40 11395 12827 5	01 50
1754-0-4418	Frame, 5-fold	studio white, matt	1725-884K	40 11395 12828 2	01 50
1754-0-4419	Frame, 1-fold	black matt	1721-885K	40 11395 12829 9	04 50
1754-0-4420	Frame, 2-fold	black matt	1722-885K	40 11395 12831 2	04 50
1754-0-4421	Frame, 3-fold	black matt	1723-885K	40 11395 12832 9	04 50
1754-0-4422	Frame, 4-fold	black matt	1724-885K	40 11395 12833 6	04 50
1754-0-4423	Frame, 5-fold	black matt	1725-885K	40 11395 12834 3	04 50
2CDG 110 002 R0011	Switch Actuator Module, 2-fold, 6A	SA/M 2.6.1	40 16779 58314 5	26	7
2CDG 110 003 R0011	Shutter Actuator Module, 2-fold, 230 V AC	JA/M 2.230.1	40 16779 58315 2	26	7
2CDG 110 004 R0011	Shutter Actuator Module, 2-fold, 24 V DC	JA/M 2.24.1	40 16779 58316 9	26	7
2CDG 110 005 R0011	Binary Input Module, 4-fold, 230 V	BE/M 4.230.1	40 16779 58311 4	26	7
2CDG 110 006 R0011	Binary Input Module, 4-fold, 12/24 V	BE/M 4.24.1	40 16779 58312 1	26	7
2CDG 110 007 R0011	Binary Input Module, 4-fold, Contact Scanning	BE/M 4.12.1	40 16779 58313 8	26	7
2CDG 110 008 R0011	USB Interface, MDRC	USB/S 1.1	40 16779 58921 5	26	3
2CDG 110 009 R0011	DALI Switch Actuator, 2fold, 16 AX C-load, MDRC	DSA/S 2.16.1	40 16779 58584 2	26	22
2CDG 110 012 R0011	Universal Dim Actuator Module, 1-fold, 300 VA	UD/M 1.300.1	40 11395 04281 6	26	7
2CDG 110 013 R0011	Electronic Switch Actuator Module, 2-fold, 115/230 V	ES/M 2.230.1	40 16779 58361 9	26	7
2CDG 110 014 R0011	Electronic Switch Actuator Module, 2-fold, 24 V	ES/M 2.24.1	40 16779 58362 6	26	7
2CDG 110 024 R0011	Security Module, MDRC	SCM/S 1.1	40 16779 58391 6	26	47
2CDG 110 025 R0011	DALI Gateway, 8-fold, MDRC	DG/S 8.1	40 16779 58582 8	26	22
2CDG 110 026 R0011	DALI Gateway, 1-fold, MDRC	DG/S 1.1	40 16779 58583 5	26	22
2CDG 110 027 R0011	Line Coupler, MDRC	LK/S 4.1	40 16779 58741 9	26	3
2CDG 110 028 R0011	SMI Shutter Actuator with Manual Operation, 4-fold, MDRC	JA/S 4.SMI.1M	40 16779 65423 4	26	19
2CDG 110 029 R0011	Choke, MDRC	DR/S 4.1	40 16779 58755 6	26	2
2CDG 110 030 R0011	Analogue Input, 4-fold, MDRC	AE/S 4.2	40 16779 58763 1	26	11
2CDG 110 032 R0011	Weather Station, 4-fold, MDRC	WS/S 4.1	40 16779 58771 6	26	11
2CDG 110 034 R0011	Weather Unit, MDRC	WZ/S 1.1	40 16779 58612 2	26	11
2CDG 110 036 R0011	Switch Actuator, 4-fold, 6 A, MDRC	SA/S 4.6.1	40 16779 64384 9	26	15
2CDG 110 037 R0011	Switch Actuator, 8-fold, 6 A, MDRC	SA/S 8.6.1	40 16779 64424 2	26	15
2CDG 110 038 R0011	Switch Actuator, 12-fold, 6 A, MDRC	SA/S 12.6.1	40 16779 64423 5	26	15
2CDG 110 039 R0011	Switch Actuator, 2-fold, 10 AX, MDRC	SA/S 2.10.1	40 16779 64422 8	26	15
2CDG 110 040 R0011	Switch Actuator, 4-fold, 10 AX, MDRC	SA/S 4.10.1	40 16779 64421 1	26	15
2CDG 110 041 R0011	Switch Actuator, 8-fold, 10 AX, MDRC	SA/S 8.10.1	40 16779 64420 4	26	15
2CDG 110 042 R0011	Switch Actuator, 12-fold, 10 AX, MDRC	SA/S 12.10.1	40 16779 64419 8	26	15
2CDG 110 058 R0011	Electronic Switch Actuator, 4-fold, 1 A, MDRC	ES/S 4.1.2.1	40 16779 67206 1	26	26
2CDG 110 060 R0011	Diagnosis and Protection Module, MDRC	DSM/S 1.1	40 16779 65205 6	26	4
2CDG 110 061 R0011	IP Router, MDRC	IPR/S 2.1	40 16779 65229 2	26	3
2CDG 110 062 R0011	Switch Actuator, 2-fold, 16 A, MDRC	SA/S 2.16.1	40 16779 64877 6	26	15
2CDG 110 063 R0011	Switch Actuator, 4-fold, 16 A, MDRC	SA/S 4.16.1	40 16779 64876 9	26	15
2CDG 110 064 R0011	Switch Actuator, 8-fold, 16 A, MDRC	SA/S 8.16.1	40 16779 64875 2	26	15
2CDG 110 065 R0011	Universal Interface, 12-fold, FM	US/U 12.2	40 16779 65012 0	26	11, 31, 35
2CDG 110 066 R0011	Monitoring Unit, MDRC	EUB/S 1.1	40 16779 64991 9	26	45
2CDG 110 067 R0011	Data Loggin Unit, MDRC	BDB/S 1.1	40 16779 65753 2	26	45
2CDG 110 070 R0011	Uninterruptible Power Supply, 12 V DC, 2 A, MDRC	NTU/S 12.2000.1	40 16779 68117 9	26	2
2CDG 110 071 R0011	Universal I/O Concentrator, 32-fold, MDRC	UK/S 32.2	40 16779 65577 4	26	31
2CDG 110 072 R0011	Application Unit, Time, MDRC	ABZ/S 2.1	40 16779 65236 0	26	30
2CDG 110 073 R0011	Application Unit, Logic, MDRC	ABL/S 2.1	40 16779 65264 3	26	30
2CDG 110 074 R0011	Universal Dim Actuator, 2-fold, 300 VA, MDRC	UD/S 2.300.2	40 16779 66306 9	26	23
2CDG 110 075 R0011	Interface for Intrusion Alarm Panel, MDRC	XS/S 1.1	40 16779 66704 3	26	45
2CDG 110 077 R0011	Blower / Fan Coil Actuator, 1-fold, MDRC	LFA/S 1.1	40 16779 65546 0	26	26
2CDG 110 078 R0011	Blower / Fan Coil Actuator, 2-fold, MDRC	LFA/S 2.1	40 16779 65547 7	26	26
2CDG 110 079 R0011	Switch/Dim Actuator, 2-fold, 16 A, MDRC	SD/S 2.16.1	40 16779 65996 3	26	22
2CDG 110 080 R0011	Switch/Dim Actuator, 4-fold, 16 A, MDRC	SD/S 4.16.1	40 16779 65937 6	26	22
2CDG 110 081 R0011	Switch/Dim Actuator, 8-fold, 16 A, MDRC	SD/S 8.16.1	40 16779 65918 5	26	22
2CDG 110 082 R0011	Switch Actuator, 12-fold, 16 A, MDRC	SA/S 12.16.1	40 16779 65928 4	26	15
2CDG 110 083 R0011	Meter Interface Module, MDRC	ZS/S 1.1	40 16779 66207 9	26	42
2CDG 110 084 R0011	Fan Coil Actuator, MDRC	FCA/S 1.1M	41 16779 66508 7	26	26
2CDG 110 085 R0011	Power Supply, 160 mA, MDRC	SV/S 30.160.5	40 16779 66206 2	26	2
2CDG 110 086 R0011	Analogue Input, 2-fold, SM	AE/A 2.1	40 16779 66401 1	26	11
2CDG 110 087 R0011	Light Controller, 2-fold, 16 A, MDRC	LR/S 2.16.1	40 16779 66405 9	26	22
2CDG 110 088 R0011	Light Controller, 4-fold, 16 A, MDRC	LR/S 4.16.1	40 16779 66489 9	26	22
2CDG 110 089 R0011	Light Sensor, FM	LF/U 2.1	40 16779 66416 5	26	7, 22
2CDG 110 090 R0011	Binary Input, 4-fold, Contact Scanning, MDRC	BE/S 4.20.2.1	40 16779 71078 7	26	11
2CDG 110 091 R0011	Binary Input, 4-fold, 10-230 V AC/DC, MDRC	BE/S 4.230.2.1	40 16779 71106 7	26	11
2CDG 110 092 R0011	Binary Input, 8-fold, Contact Scanning, MDRC	BE/S 8.20.2.1	40 16779 71076 3	26	11
2CDG 110 093 R0011	Binary Input, 8-fold, 10-230 V AC/DC, MDRC	BE/S 8.230.2.1	40 16779 71077 0	26	11
2CDG 110 094 R0011	Room Master, Basic, MDRC	RM/S 1.1	40 16779 66556 8	26	8
2CDG 110 095 R0011	Room Master, Premium, MDRC	RM/S 2.1	40 16779 66567 4	26	8
2CDG 110 096 R0011	Commissioning Power Supply, 28 V DC, 30 mA	NTI/VZ 28.30.1	40 16779 66316 8	26	2
2CDG 110 098 R0011	IP Interface, MDRC	IPS/S 2.1	40 16779 66484 4	26	3
2CDG 110 100 R0011	Switch Actuator Module, 2-fold, 16A, floating contact	SA/M 2.16.1	40 16779 68158 2	26	7

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2CDG 110 101 R0011	DALI Light Controller, 8-fold, MDRC	DLR/S 8.16.1M	40 16779 67656 4	26	22	
2CDG 110 103 R0011	DALI Gateway, 1-fold, Group Control, MDRC	DG/S 1.16.1	40 16779 66950 4	26	22	
2CDG 110 104 R0011	Room Controller, Basis Device for 4 Modules, SM	RC/A 4.2	40 16779 67647 2	26	7	
2CDG 110 106 R0011	Room Controller, Basis Device for 8 Modules, SM	RC/A 8.2	40 16779 68126 1	26	7	
2CDG 110 107 R0011	Switch/Dim Actuator Module, 2-fold, 6 AX	SD/M 2.6.2	40 16779 68066 0	26	7	
2CDG 110 108 R0011	Light Controller Module, 1-fold, 6 AX	LR/M 1.6.2	40 16779 68067 7	26	7	
2CDG 110 109 R0011	Security Terminal, 4-fold, MDRC	MT/S 4.12.2M	40 16779 71187 6	26	47	
2CDG 110 110 R0011	Security Terminal, 8-fold, MDRC	MT/S 8.12.2M	40 16779 71186 9	26	47	
2CDG 110 111 R0011	Security Terminal, 2-fold, FM	MT/U 2.12.2	40 16779 71176 0	26	47	
2CDG 110 112 R0011	Switch Actuator with Current Detection, 2-fold, 16/20 AX, C-Load, MDRC	SA/S 2.16.6.1	40 16779 70830 2	26	15	
2CDG 110 113 R0011	Switch Actuator with Current Detection, 4-fold, 16/20 AX, C-Load, MDRC	SA/S 4.16.6.1	40 16779 70831 9	26	15	
2CDG 110 114 R0011	Switch Actuator with Current Detection, 8-fold, 16/20 AX, C-Load, MDRC	SA/S 8.16.6.1	40 16779 70832 6	26	15	
2CDG 110 116 R0011	Valve Drive Actuator, 6-fold, 230V, MDRC	VAA/S 6.230.2.1	40 16779 82986 1	26	26	
2CDG 110 117 R0011	Valve Drive Actuator, 12-fold, 230V, MDRC	VAA/S 12.230.2.1	40 16779 82987 8	26	26	
2CDG 110 119 R0011	Accessory Set for Telephone Gateway	TG/Z 1.1	40 16779 69788 0	26	32	
2CDG 110 120 R0011	Blind / Roller Shutter Actuator with Manual Operation, 2-fold, 230 V AC, MDRC	JRA/S 2.230.2.1	40 16779 69839 9	26	19	
2CDG 110 121 R0011	Blind / Roller Shutter Actuator with Manual Operation, 4-fold, 230 V AC, MDRC	JRA/S 4.230.2.1	40 16779 69840 5	26	19	
2CDG 110 122 R0011	Blind / Roller Shutter Actuator with Manual Operation, 8-fold, 230 V AC, MDRC	JRA/S 8.230.2.1	40 16779 69841 2	26	19	
2CDG 110 124 R0011	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 2-fold, 230 V AC, MDRC	JRA/S 2.230.5.1	40 16779 69843 6	26	19	
2CDG 110 125 R0011	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 4-fold, 230 V AC, MDRC	JRA/S 4.230.5.1	40 16779 69844 3	26	19	
2CDG 110 126 R0011	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 8-fold, 230 V AC, MDRC	JRA/S 8.230.5.1	40 16779 69845 0	26	19	
2CDG 110 128 R0011	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 4-fold, 24 V DC, MDRC	JRA/S 4.24.5.1	40 16779 69847 4	26	19	
2CDG 110 129 R0011	Blind / Roller Shutter Actuator, 2-fold, 230 V AC, MDRC	JRA/S 2.230.1.1	40 16779 69848 1	26	19	
2CDG 110 130 R0011	Blind / Roller Shutter Actuator, 4-fold, 230 V AC, MDRC	JRA/S 4.230.1.1	40 16779 69849 8	26	19	
2CDG 110 131 R0011	Blind / Roller Shutter Actuator, 8-fold, 230 V AC, MDRC	JRA/S 8.230.1.1	40 16779 69850 4	26	19	
2CDG 110 132 R0011	Switch Actuator, 2-fold, 16/20 AX, C-Load, MDRC	SA/S 2.16.5.1	40 16779 70827 2	26	15	
2CDG 110 133 R0011	Switch Actuator, 4-fold, 16/20 AX, C-Load, MDRC	SA/S 4.16.5.1	40 16779 70828 9	26	15	
2CDG 110 134 R0011	Switch Actuator, 8-fold, 16/20 AX, C-Load, MDRC	SA/S 8.16.5.1	40 16779 70829 6	26	15	
2CDG 110 135 R0011	Telephone Gateway, analogue, MDRC	TG/S 3.2	40 16779 70851 7	26	32	
2CDG 110 136 R0011	Energy Actuator, 3-fold, 16/20 AX, MDRC	SE/S 3.16.1	40 16779 70977 4	26	15, 42	
2CDG 110 137 R0011	Switch Actuator, 12-fold, 16/20 AX, C-Load, MDRC	SA/S12.16.5.1	40 16779 71107 4	26	15	
2CDG 110 138 R0011	Switch Actuator with Current Detection, 12-fold, 16/20 AX, C-Load, MDRC	SA/S 12.16.6.1	40 16779 76516 9	26	15	
2CDG 110 142 R0011	DALI-Gateway with Emergency Lighting Control, 1-fold, Group Control, MDRC	DGN/S 1.16.1	40 16779 84556 4	26	22	
2CDG 110 143 R0011	SMI Blind/Roller Shutter Actuator, 4-fold, LoVo, MDRC	SJR/S4.24.2.1	40 16779 86446 6	26	19	
2CDG 120 001 R0011	Fan Coil Controller, MDRC	FC/S 1.1	40 16779 58383 1	20	26	
2CDG 120 002 R0011	Temperature Sensor for Fan Coil Controller	TS/K 1.1	40 16779 58381 7	20	26	
2CDG 120 004 R0011	Electromotor Valve Drive	ST/K 1.1	40 16779 63022 1	20	27	
2CDG 120 005 R0011	Analogue Actuator, 4-fold, MDRC	AA/S 4.1	40 16779 65886 7	20	15	
2CDG 120 006 R0011	Analogue Actuator Module, 4-fold, MDRC	AAM/S 4.1	40 16779 65887 4	20	15	
2CDG 120 007 R0011	Thermoelectric Valve Drive, 230 V	TSA/K 230.1	40 16779 65299 5	20	27	
2CDG 120 008 R0011	Thermoelectric Valve Drive, 24 V	TSA/K 24.1	40 16779 65300 8	20	27	
2CDG 120 009 R0011	Valve Adapter, for valves of Dumser, Chronatherm, Vescal, KaMo	VA/Z 10.1	40 16779 65319 0	20	27	
2CDG 120 010 R0011	Valve Adapter, for valves of Honeywell, Reich, Cazzaniga, Landis & Gyr. and MNG	VA/Z 50.1	40 16779 65320 6	20	27	
2CDG 120 011 R0011	Valve Adapter, Flange for Danfoss RA	VA/Z 78.1	40 16779 65321 3	20	27	
2CDG 120 012 R0011	Valve Adapter, for valves of Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop	VA/Z 80.1	40 16779 65322 0	20	27	
2CDG 120 032 R0011	Valve Drive Actuator, 6-fold, 24 V, SM	VAA/A 6.24.1	40 16779 67064 7	20	26	
2CDG 120 033 R0011	Weather Sensor, SM	WES/A 2.1	40 16779 69736 1	20	11	
2CDG 120 034 R0011	IP Switch, Master, MDRC	ISM/S 5.1	40 16779 69792 7	20	3	
2CDG 120 035 R0011	IP Switch, Slave, MDRC	ISS/S 5.1	40 16779 69791 0	20	3	
2CDG 120 036 R0011	IP Patch Module, MDRC	IPM/S 1.1	40 16779 69790 3	20	3	
2CDG 120 037 R0011	Power Supply, 24 V, 2.5 A, MDRC	CP-D 24/2.5	40 16779 69789 7	20	36	
2CDG 120 038 R0011	Air Quality Sensor, SM	LGS/A 1.1	40 16779 83712 5	20	27	
2CDG 220 003 R0011	Zone Bus-Module, 2-fold, FM	L240/MG2	40 13232 65737 2	50	46	
2CDG 230 004 R0011	Intrusion Alarm Panel	L240	40 13232 65736 5	50	45	
2CDG 230 013 R0011	IP Interface Module	L240/IP	40 16779 66856 9	50	45	
2CDG 230 014 R0011	LCD Keypad	L240/PT	40 16779 66855 2	50	45	
2CDG 230 017 R0011	Intrusion Alarm Panel	L240/ENG	40 16779 66852 1	50	46	
2CDG 230 023 R0011	BUS-Infra-Red Motion Detector, VdS-Cl. B	IR/XB	40 16779 67877 3	50	46	
2CDG 230 024 R0011	BUS-Infra-Red Motion Detector, VdS-Cl. C	IR/XC	40 16779 67878 0	50	46	
2CDG 230 025 R0011	BUS-Dual Motion Detector, VdS-Cl. B	EIM/XB	40 16779 67879 7	50	46	
2CDG 230 026 R0011	BUS-Dual Motion Detector, VdS-Cl. C	EIM/XC	40 16779 67880 3	50	46	
2CDG 230 027 R0011	Passive Infra-Red Detector	IR/KB	40 16779 75716 4	50	48	
2CDG 230 028 R0011	Dualtech Motion Detector, VdS B	EIM/KB	40 16779 75717 1	50	48	
2CDG 230 029 R0011	Dualtech Motion Detector, 15m, VdS C	EIM/KC	40 16779 75718 8	50	48	
2CDG 230 038 R0011	Dual Ceiling Detector	EIM/DB	40 16779 87746 6	50	48	
2CDG 240 019 R0011	SafeKey Switching Module, SM	SSM/A	40 16779 83746 0	53	46	
2CDG 240 020 R0011	SafeKey Switching Module, FM	SSM/U	40 16779 83747 7	53	46	
2CDG 250 003 R0011	Lock Bolt Switching Contact	WRK/W	40 16779 66404 2	50	47	
2CDG 430 051 R0011	Detector Base, 12 V	FC600/BREL	40 16779 70840 1	52	49	
2CDG 430 079 R0011	Optical Smoke Detector	FC650/O	40 16779 86479 4	52	49	
2CDG 430 081 R0011	Thermal Smoke Detector	FC650/TMAX	40 16779 86477 0	52	49	
2CDG 924 003 R0011	Busbar, 1 Phase, 4 Contacts	PS 1/4/6-KNX	40 16779 66758 6	20	4	
2CDG 924 004 R0011	Busbar, 1 Phase, 60 Contacts	PS 1/60/6-KNX	40 16779 66759 3	20	4	
2CDL 000 001 R0001	End Cap for Bus Bar	PS-END 1-S	40 16779 66698 5	05	4	
6020-0-1133	Infrared Hand Held Transmitter	6010-25-500	40 11395 93850 8	19	39	
6115-0-0183	Control Element with Bus Coupler, 1/2-fold, standard, FM	davos/studio white	6125/01-84-500	40 11395 13559 4	26	37
6115-0-0205	Control Element with Bus Coupler, 1/2-fold, standard, FM	anthracite	6125/01-81-500	40 11395 13947 9	26	37
6115-0-0206	Control Element with Bus Coupler, 1/2-fold, standard, FM	savanne/ivory	6125/01-82-500	40 11395 13948 6	26	37
6115-0-0207	Control Element with Bus Coupler, 1/2-fold, standard, FM	aluminium silver	6125/01-83-500	40 11395 13949 3	26	37
6115-0-0209	Control Element with Bus Coupler, 1/2-fold, standard, FM	tosacana/purple	6125/01-87-500	40 11395 13951 6	26	37
6115-0-0211	Control Element with Bus Coupler, 1/2-fold, standard, FM	stainless steel	6125/01-866-500	40 11395 13953 0	26	37
6115-0-0212	Control Element with Bus Coupler, 1/2-fold, standard, FM	meteor/grey metallic	6125/01-803-500	40 11395 13954 7	26	37
6115-0-0213	Control Element with Bus Coupler, 1/2-fold, standard, FM	savanne/ivory	6125/01-815-500	40 11395 13955 4	26	37
6115-0-0214	Control Element with Bus Coupler, 1/2-fold, standard, FM	studio white, matt	6125/01-884-500	40 11395 13956 1	26	37

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Selection Table According to Order Code

Order code	Description	Type	EAN	PG	Page
6115-0-0215	Control Element with Bus Coupler, 1/2-fold, standard, FM	black, matt	6125/01-885-500	40 11395 13957 8	26 37
6115-0-0216	Control Element, 1/2-fold, multifunction, FM	anthracite	6125/02-81-500	40 11395 13958 5	26 38
6115-0-0217	Control Element, 1/2-fold, multifunction, FM	savanne/ivory	6125/02-82-500	40 11395 13959 2	26 38
6115-0-0218	Control Element, 1/2-fold, multifunction, FM	aluminium silver	6125/02-83-500	40 11395 13961 5	26 38
6115-0-0219	Control Element, 1/2-fold, multifunction, FM	davos/studio white	6125/02-84-500	40 11395 13962 2	26 38
6115-0-0221	Control Element, 1/2-fold, multifunction, FM	tosacana/purple	6125/02-87-500	40 11395 13964 6	26 38
6115-0-0223	Control Element, 1/2-fold, multifunction, FM	stainless steel	6125/02-866-500	40 11395 13966 0	26 38
6115-0-0224	Control Element, 1/2-fold, multifunction, FM	meteor/grey metallic	6125/02-803-500	40 11395 13967 7	26 38
6115-0-0225	Control Element, 1/2-fold, multifunction, FM	savanne/ivory	6125/02-815-500	40 11395 13968 4	26 38
6115-0-0226	Control Element, 1/2-fold, multifunction, FM	studio white, matt	6125/02-884-500	40 11395 13969 1	26 38
6115-0-0227	Control Element, 1/2-fold, multifunction, FM	black, matt	6125/02-885-500	40 11395 13971 4	26 38
6116-0-0174	Control Element with Bus Coupler, 2/4-fold, standard, FM	davos/studio white	6126/01-84-500	40 11395 13574 7	26 37
6116-0-0195	Control Element with Bus Coupler, 2/4-fold, standard, FM	anthracite	6126/01-81-500	40 11395 13985 1	26 37
6116-0-0196	Control Element with Bus Coupler, 2/4-fold, standard, FM	savanne/ivory	6126/01-82-500	40 11395 13986 8	26 37
6116-0-0197	Control Element with Bus Coupler, 2/4-fold, standard, FM	aluminium silver	6126/01-83-500	40 11395 13987 5	26 37
6116-0-0199	Control Element with Bus Coupler, 2/4-fold, standard, FM	tosacana/purple	6126/01-87-500	40 11395 13991 2	26 37
6116-0-0201	Control Element with Bus Coupler, 2/4-fold, standard, FM	stainless steel	6126/01-866-500	40 11395 13993 6	26 37
6116-0-0202	Control Element with Bus Coupler, 2/4-fold, standard, FM	meteor/grey metallic	6126/01-803-500	40 11395 13994 3	26 37
6116-0-0203	Control Element with Bus Coupler, 2/4-fold, standard, FM	savanne/ivory	6126/01-815-500	40 11395 13995 0	26 37
6116-0-0204	Control Element with Bus Coupler, 2/4-fold, standard, FM	studio white, matt	6126/01-884-500	40 11395 13996 7	26 37
6116-0-0205	Control Element with Bus Coupler, 2/4-fold, standard, FM	black, matt	6126/01-885-500	40 11395 13997 4	26 37
6116-0-0206	Control Element, 2/4-fold, multifunction, FM	anthracite	6126/02-81-500	40 11395 13998 1	26 38
6116-0-0207	Control Element, 2/4-fold, multifunction, FM	savanne/ivory	6126/02-82-500	40 11395 13999 8	26 38
6116-0-0208	Control Element, 2/4-fold, multifunction, FM	aluminium silver	6126/02-83-500	40 11395 14001 7	26 38
6116-0-0209	Control Element, 2/4-fold, multifunction, FM	davos/studio white	6126/02-84-500	40 11395 14002 4	26 38
6116-0-0211	Control Element, 2/4-fold, multifunction, FM	tosacana/purple	6126/02-87-500	40 11395 14004 8	26 38
6116-0-0213	Control Element, 2/4-fold, multifunction, FM	stainless steel	6126/02-866-500	40 11395 14006 2	26 38
6116-0-0214	Control Element, 2/4-fold, multifunction, FM	meteor/grey metallic	6126/02-803-500	40 11395 14007 9	26 38
6116-0-0215	Control Element, 2/4-fold, multifunction, FM	savanne/ivory	6126/02-815-500	40 11395 14008 6	26 38
6116-0-0216	Control Element, 2/4-fold, multifunction, FM	studio white, matt	6126/02-884-500	40 11395 14009 3	26 38
6116-0-0217	Control Element, 2/4-fold, multifunction, FM	black, matt	6126/02-885-500	40 11395 14011 6	26 38
6117-0-0200	Control Element with Bus Coupler, 4/8-fold, standard, FM	davos/studio white	6127/01-84-500	40 11395 13588 4	26 37
6117-0-0221	Control Element with Bus Coupler, 4/8-fold, standard, FM	anthracite	6127/01-81-500	40 11395 14024 6	26 37
6117-0-0222	Control Element with Bus Coupler, 4/8-fold, standard, FM	savanne/ivory	6127/01-82-500	40 11395 14025 3	26 37
6117-0-0223	Control Element with Bus Coupler, 4/8-fold, standard, FM	aluminium silver	6127/01-83-500	40 11395 14026 0	26 37
6117-0-0225	Control Element with Bus Coupler, 4/8-fold, standard, FM	tosacana/purple	6127/01-87-500	40 11395 14028 4	26 37
6117-0-0227	Control Element with Bus Coupler, 4/8-fold, standard, FM	stainless steel	6127/01-866-500	40 11395 14030 7	26 37
6117-0-0228	Control Element with Bus Coupler, 4/8-fold, standard, FM	meteor/grey metallic	6127/01-803-500	40 11395 14031 4	26 37
6117-0-0229	Control Element with Bus Coupler, 4/8-fold, standard, FM	savanne/ivory	6127/01-815-500	40 11395 14032 1	26 37
6117-0-0230	Control Element with Bus Coupler, 4/8-fold, standard, FM	studio white, matt	6127/01-884-500	40 11395 14033 8	26 37
6117-0-0231	Control Element with Bus Coupler, 4/8-fold, standard, FM	black, matt	6127/01-885-500	40 11395 14034 5	26 37
6117-0-0232	Control Element, 4/8-fold, multifunction, FM	anthracite	6127/02-81-500	40 11395 14035 2	26 38
6117-0-0233	Control Element, 4/8-fold, multifunction, FM	savanne/ivory	6127/02-82-500	40 11395 14036 9	26 38
6117-0-0234	Control Element, 4/8-fold, multifunction, FM	aluminium silver	6127/02-83-500	40 11395 14037 6	26 38
6117-0-0235	Control Element, 4/8-fold, multifunction, FM	davos/studio white	6127/02-84-500	40 11395 14038 3	26 38
6117-0-0237	Control Element, 4/8-fold, multifunction, FM	tosacana/purple	6127/02-87-500	40 11395 14041 3	26 38
6117-0-0239	Control Element, 4/8-fold, multifunction, FM	stainless steel	6127/02-866-500	40 11395 14043 7	26 38
6117-0-0240	Control Element, 4/8-fold, multifunction, FM	meteor/grey metallic	6127/02-803-500	40 11395 14044 4	26 38
6117-0-0241	Control Element, 4/8-fold, multifunction, FM	savanne/ivory	6127/02-815-500	40 11395 14045 1	26 38
6117-0-0242	Control Element, 4/8-fold, multifunction, FM	studio white, matt	6127/02-884-500	40 11395 14046 8	26 38
6117-0-0243	Control Element, 4/8-fold, multifunction, FM	black, matt	6127/02-885-500	40 11395 14047 5	26 38
6120-0-0072	Power Bus Coupler, FM, Busch-priOn®		6120/13-500	40 11395 10227 5	26 3, 35
6120-0-0073	Power Bus Coupler, FM, Busch-priOn®, swiss version		6120/13-508	40 11395 11658 6	26 3, 35
6120-0-0075	Bus Coupler, FM		6120/12-101-500	40 11395 13548 8	26 3, 35, 37
6120-0-0076	Bus Coupler, FM, swiss version		6120/12-101-508	40 11395 14733 7	26 3, 35, 37
6132-0-0160	Busch-Watchdog® 220 KNX ProfessionalLine, SM	white	6179 AGM-204-500	40 11395 07406 0	26 24
6132-0-0162	Busch-Watchdog® 220 KNX ProfessionalLine, SM	silver	6179 AGM-208-500	40 11395 07408 4	26 24
6132-0-0250	Busch-Watchdog® 180 Standard, FM	davos/studio white	6122/01-84-500	40 11395 13505 1	26 24
6132-0-0263	Busch-Watchdog® 180 Comfort, FM	davos/studio white	6122/02-84-500	40 11395 13521 1	26 24
6132-0-0272	Busch-Watchdog® 180 Standard, FM	anthracite	6122/01-81-500	40 11395 14048 2	26 24
6132-0-0273	Busch-Watchdog® 180 Standard, FM	savanne/ivory	6122/01-82-500	40 11395 14049 9	26 24
6132-0-0274	Busch-Watchdog® 180 Standard, FM	aluminium silver	6122/01-83-500	40 11395 14051 2	26 24
6132-0-0276	Busch-Watchdog® 180 Standard, FM	tosacana/purple	6122/01-87-500	40 11395 14053 6	26 24
6132-0-0278	Busch-Watchdog® 180 Standard, FM	stainless steel	6122/01-866-500	40 11395 14055 0	26 24
6132-0-0279	Busch-Watchdog® 180 Standard, FM	meteor/metallic grey	6122/01-803-500	40 11395 14056 7	26 24
6132-0-0280	Busch-Watchdog® 180 Standard, FM	sahara/yellow	6122/01-815-500	40 11395 14057 4	26 24
6132-0-0281	Busch-Watchdog® 180 Standard, FM	studio white, matt	6122/01-884-500	40 11395 14058 1	26 24
6132-0-0282	Busch-Watchdog® 180 Standard, FM	black, matt	6122/01-885-500	40 11395 14059 8	26 24
6132-0-0283	Busch-Watchdog® 180 Comfort, FM	anthracite	6122/02-81-500	40 11395 14060 4	26 24
6132-0-0284	Busch-Watchdog® 180 Comfort, FM	savanne/ivory	6122/02-82-500	40 11395 14061 1	26 24
6132-0-0285	Busch-Watchdog® 180 Comfort, FM	aluminium silver	6122/02-83-500	40 11395 14062 8	26 24
6132-0-0287	Busch-Watchdog® 180 Comfort, FM	tosacana/purple	6122/02-87-500	40 11395 14064 2	26 24
6132-0-0289	Busch-Watchdog® 180 Comfort, FM	stainless steel	6122/02-866-500	40 11395 14066 6	26 24
6132-0-0290	Busch-Watchdog® 180 Comfort, FM	meteor/metallic grey	6122/02-803-500	40 11395 14067 3	26 24
6132-0-0291	Busch-Watchdog® 180 Comfort, FM	sahara/yellow	6122/02-815-500	40 11395 14068 0	26 24
6132-0-0292	Busch-Watchdog® 180 Comfort, FM	studio white, matt	6122/02-884-500	40 11395 14069 7	26 24
6132-0-0293	Busch-Watchdog® 180 Comfort, FM	black, matt	6122/02-885-500	40 11395 14070 3	26 24
6132-0-0295	Presence Detector, FM	alpine white	6131/10-24-500	40 11395 14772 6	26 24
6132-0-0297	Presence Detector, FM	aluminium silver	6131/10-183-500	40 11395 14774 0	26 24
6132-0-0299	Presence Detector DualLine, FM	alpine white	6131/11-24-500	40 11395 14776 4	26 24, 29
6132-0-0301	Presence Detector DualLine, FM	aluminium silver	6131/11-183-500	40 11395 14778 8	26 24, 29
6133-0-0201	Commissioning Interface / Adapter		6149/21-500	40 11395 11896 2	26 3, 36
6133-0-0207	KNX Switch Connection Unit, 1/2-fold, FM		6108/01-500	40 11395 13542 6	26 37
6133-0-0209	KNX Switch Connection Unit, 2/4-fold, FM		6108/02-500	40 11395 13544 0	26 37

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Order code	Description	Type	EAN	PG	Page
6133-0-0211	KNX Switch Connection Unit for design ocean® (IP44), 1/2-fold, FM	6108/04-500	40 11395 14403 9	26	37
6133-0-0213	KNX Switch Connection Unit for design ocean® (IP44), 2/4-fold, FM	6108/05-500	40 11395 14405 3	26	37
6134-0-0248	Room Thermostat with Display, FM	davos/studio white	6124/01-84-500	26	27
6134-0-0261	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	davos/studio white	6128/01-84-500	26	28
6134-0-0271	Room Temperature Controller, Commercial, FM		6108/03-500	26	28
6134-0-0274	Room Thermostat with Display, FM	savanna/ivory	6124/01-82-500	26	27
6134-0-0275	Room Thermostat with Display, FM	aluminium silver	6124/01-83-500	26	27
6134-0-0277	Room Thermostat with Display, FM	toscana/purple	6124/01-87-500	26	27
6134-0-0279	Room Thermostat with Display, FM	stainless steel	6124/01-866-500	26	27
6134-0-0280	Room Thermostat with Display, FM	meteor/grey metallic	6124/01-803-500	26	27
6134-0-0281	Room Thermostat with Display, FM	sahara/yellow	6124/01-815-500	26	27
6134-0-0282	Room Thermostat with Display, FM	studio white, matt	6124/01-884-500	26	27
6134-0-0283	Room Thermostat with Display, FM	black, matt	6124/01-885-500	26	27
6134-0-0284	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	anthracite	6128/01-81-500	26	28
6134-0-0285	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	savanna/ivory	6128/01-82-500	26	28
6134-0-0286	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	aluminium silver	6128/01-83-500	26	28
6134-0-0288	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	toscana/purple	6128/01-87-500	26	28
6134-0-0290	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	stainless steel	6128/01-866-500	26	28
6134-0-0291	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	meteor/grey metallic	6128/01-803-500	26	28
6134-0-0292	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	sahara/yellow	6128/01-815-500	26	28
6134-0-0293	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	studio white, matt	6128/01-884-500	26	28
6134-0-0294	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	black, matt	6128/01-885-500	26	28
6134-0-0295	Room Thermostat with Display, FM	anthracite	6124/01-81-500	26	27
6135-0-0146	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	davos/studio white	6129/01-84-500	26	38
6135-0-0156	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	anthracite	6129/01-81-500	26	38
6135-0-0157	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	savanne/ivory	6129/01-82-500	26	38
6135-0-0158	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	aluminium silver	6129/01-83-500	26	38
6135-0-0160	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	toscana/purple	6129/01-87-500	26	38
6135-0-0162	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	stainless steel	6129/01-866-500	26	38
6135-0-0163	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	meteor/grey metallic	6129/01-803-500	26	38
6135-0-0164	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	savanne/ivory	6129/01-815-500	26	38
6135-0-0165	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	studio white, matt	6129/01-884-500	26	38
6135-0-0166	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	black, matt	6129/01-885-500	26	38
6136-0-0124	Flush Mounted Wall Box for Controlpanel		6136/UP	26	31
6136-0-0139	Design Frame for Controlpanel, dark glas	Flap in Chrome	6136/10-500	26	31
6136-0-0141	Design Frame for Controlpanel, dark glas	Flap in Aluminium	6136/11-500	26	31
6136-0-0155	Design Frame for Controlpanel, white glas satined	Flap in Aluminium	6136/13-500	26	31
6136-0-0185	Controlpanel SMARTTouch, color		6136/100C-102-500	26	31
6136-0-0186	Controlpanel Bang & Olufsen		6136/100CB-102	26	31
6138-0-0003	Room Thermostat Fan Coil with Display, SM	davos/studio white	6138/11-84-500	26	8, 26
6138-0-0005	Room Thermostat Fan Coil with Display, SM	aluminium silver	6138/11-83-500	26	8, 26
6151-0-0168	Heating Actuator, 1-fold, FM		6164 U-500	26	26
6186-0-0021	Modul ABB i-bus KNX for Busch-ComfortTouch		6186 UP-500	40	11395 10164 3
6197-0-0025	Universal Dim Actuator, 4-fold, 210 VA, MDRC		6197/12-500	40	11395 11908 2
6197-0-0026	Universal Dim Actuator, 4-fold, 315 VA, MDRC		6197/13-500	40	11395 11909 9
6197-0-0027	Universal Dim Actuator, 6-fold, 315 VA, MDRC		6197/14-500	40	11395 11911 2
6197-0-0028	Universal Dim Actuator, 4-fold, 600 VA, MDRC		6197/15-500	40	11395 11912 9
6197-0-0029	Universal Dim Actuator, 1,260 VA, MDRC		6197/52-500	40	11395 13660 7
6197-0-0030	Universal Dim Actuator, 2,400 VA, MDRC		6197/53-500	40	11395 13661 4
6310-0-0078	Busch-Watchdog® 180 FM Sensor, Busch-priOn®	stainless steel	6345-866-101-500	40	11395 11868 9
6310-0-0079	Busch-Watchdog® 180 FM Sensor, Busch-priOn®	glas white	6345-810-101-500	40	11395 11871 9
6310-0-0080	Busch-Watchdog® 180 FM Sensor, Busch-priOn®	glas black	6345-825-101-500	40	11395 11872 6
6310-0-0081	Busch-Watchdog® 180 FM Sensor, Busch-priOn®	studio white, high gloss	6345-24G-101-500	40	11395 11873 3
6310-0-0092	Top End Strip with Display, Room Thermostat, IR Receiver and Proximity Sensor, Busch-priOn®	glas black	6351-825-101-500	40	11395 13152 7
6310-0-0093	Inscription Symbol, Busch-priOn®, lighting	stainless steel	6353/20-860-500	40	11395 11892 4
6310-0-0094	Inscription Symbol, Busch-priOn®, blind	stainless steel	6353/30-860-500	40	11395 11893 1
6310-0-0095	Inscription Symbol, Busch-priOn®, Room Temperature	stainless steel	6353/40-860-500	40	11395 11894 8
6310-0-0096	Inscription Symbol, Busch-priOn®, scene	stainless steel	6353/50-860-500	40	11395 11895 5
6310-0-0097	Switch Actuator/Sensor, 1-fold, FM, Busch-priOn®		6354 U-500	40	11395 11897 9
6310-0-0098	Universal Dim Actuator, 1-fold, FM, Busch-priOn®		6355 U-500	40	11395 11898 6
6310-0-0099	Shutter/2-fold Actuator, FM, Busch-priOn®		6356 U-500	40	11395 11899 3
6310-0-0106	Control Element, 1-fold, Busch-priOn®	stainless steel	6340-866-101-500	40	11395 13088 9
6310-0-0107	Control Element, 1-fold, Busch-priOn®	glas white	6340-810-101-500	40	11395 13089 6
6310-0-0108	Control Element, 1-fold, Busch-priOn®	glas black	6340-825-101-500	40	11395 13091 9
6310-0-0109	Control Element, 1-fold, Busch-priOn®	studio white, high gloss	6340-24G-101-500	40	11395 13092 6
6310-0-0114	Rotary Control Element, 1-fold, Busch-priOn®	stainless steel	6341-866-101-500	40	11395 13097 1
6310-0-0115	Rotary Control Element, 1-fold, Busch-priOn®	glas white	6341-810-101-500	40	11395 13098 8
6310-0-0116	Rotary Control Element, 1-fold, Busch-priOn®	glas black	6341-825-101-500	40	11395 13099 5
6310-0-0117	Rotary Control Element, 1-fold, Busch-priOn®	studio white, high gloss	6341-24G-101-500	40	11395 13100 8
6310-0-0122	Control Element, 3-fold, Busch-priOn®	stainless steel	6342-866-101-500	40	11395 13105 3
6310-0-0123	Control Element, 3-fold, Busch-priOn®	glas white	6342-810-101-500	40	11395 13106 0
6310-0-0124	Control Element, 3-fold, Busch-priOn®	glas black	6342-825-101-500	40	11395 13107 7
6310-0-0125	Control Element, 3-fold, Busch-priOn®	studio white, high gloss	6342-24G-101-500	40	11395 13108 4
6310-0-0130	8.89 cm (3.5") TFT-Display with Rotary Control Element, Busch-priOn®	stainless steel	6344-866-101-500	40	11395 13114 5
6310-0-0131	8.89 cm (3.5") TFT-Display with Rotary Control Element, Busch-priOn®	glas white	6344-810-101-500	40	11395 13115 2
6310-0-0132	8.89 cm (3.5") TFT-Display with Rotary Control Element, Busch-priOn®	glas black	6344-825-101-500	40	11395 13116 9
6310-0-0133	8.89 cm (3.5") TFT-Display with Rotary Control Element, Busch-priOn®	studio white, high gloss	6344-24G-101-500	40	11395 13117 6
6310-0-0135	Base Frame, 1-fold, Busch-priOn®		6346/10-101-500	40	11395 13119 0
6310-0-0137	Base Frame, 2-fold, Busch-priOn®		6346/11-101-500	40	11395 13122 0
6310-0-0139	Base Frame, 3-fold, Busch-priOn®		6346/12-101-500	40	11395 13124 4
6310-0-0144	Top End Strip, Busch-priOn®	stainless steel	6348-860-101-500	40	11395 13129 9
6310-0-0145	Top End Strip, Busch-priOn®	glas white	6348-810-101-500	40	11395 13130 5
6310-0-0146	Top End Strip, Busch-priOn®	glas black	6348-825-101-500	40	11395 13131 2
6310-0-0147	Top End Strip, Busch-priOn®	studio white, high gloss	6348-24G-101-500	40	11395 13132 9

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Selection Table According to Order Code

Order code	Description	Type	EAN	PG	Page
6310-0-0152	Bottom End Strip, without logo, Busch-priOn®	stainless steel	6349-860-101-500	40 11395 13137 4	34 36
6310-0-0153	Bottom End Strip, without logo, Busch-priOn®	glas white	6349-810-101-500	40 11395 13139 8	34 36
6310-0-0154	Bottom End Strip, without logo, Busch-priOn®	glas black	6349-825-101-500	40 11395 13140 4	34 36
6310-0-0155	Bottom End Strip, without logo, Busch-priOn®	studio white, high gloss	6349-24G-101-500	40 11395 13142 8	34 36
6310-0-0157	Top End Strip with IR-Receiver and Proximity Sensor, Busch-priOn®	glas black	6350-825-101-500	40 11395 13144 2	34 36
6310-0-0162	Bottom End Strip with Temperature Sensor, Busch-priOn®	stainless steel	6352-860-101-500	40 11395 13149 7	34 36
6310-0-0163	Bottom End Strip with Temperature Sensor, Busch-priOn®	glas white	6352-810-101-500	40 11395 13150 3	34 36
6310-0-0164	Bottom End Strip with Temperature Sensor, Busch-priOn®	glas black	6352-825-101-500	40 11395 13151 0	34 36
6310-0-0165	Bottom End Strip with Temperature Sensor, Busch-priOn®	studio white, high gloss	6352-24G-101-500	40 11395 13151 0	34 36
6320-0-0002	Busch-triton® Control Element, 1/2-fold, FM	platinum	6320/10-20-500	40 11395 13857 1	26 39
6320-0-0004	Busch-triton® Control Element, 1/2-fold, FM	studio white,high gloss	6320/10-24G-500	40 11395 13873 1	26 39
6320-0-0006	Busch-triton® Control Element, 1/2-fold, FM	champagne metallic	6320/10-79-500	40 11395 13875 5	26 39
6320-0-0008	Busch-triton® Control Element, 1/2-fold, FM	aluminium silver	6320/10-83-500	40 11395 13877 9	26 39
6320-0-0010	Busch-triton® Control Element, 1/2-fold, FM	palladium	6320/10-260-500	40 11395 13879 3	26 39
6320-0-0012	Busch-triton® Control Element, 3/6-fold, FM	platinum	6320/30-20-500	40 11395 13882 3	26 39
6320-0-0014	Busch-triton® Control Element, 3/6-fold, FM	studio white,high gloss	6320/30-24G-500	40 11395 13885 4	26 39
6320-0-0016	Busch-triton® Control Element, 3/6-fold, FM	champagne metallic	6320/30-79-500	40 11395 13887 8	26 39
6320-0-0018	Busch-triton® Control Element, 3/6-fold, FM	aluminium silver	6320/30-83-500	40 11395 13889 2	26 39
6320-0-0020	Busch-triton® Control Element, 3/6-fold, FM	palladium	6320/30-260-500	40 11395 13892 2	26 39
6320-0-0022	Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	platinum	6320/38-20-500	40 11395 13895 3	26 28, 39
6320-0-0024	Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	studio white,high gloss	6320/38-24G-500	40 11395 13897 7	26 28, 39
6320-0-0026	Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	champagne metallic	6320/38-79-500	40 11395 13900 4	26 28, 39
6320-0-0028	Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	aluminium silver	6320/38-83-500	40 11395 13902 8	26 28, 39
6320-0-0030	Busch-triton® Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	palladium	6320/38-260-500	40 11395 13904 2	26 28, 39
6320-0-0032	Busch-triton® Control Element, 5/10-fold, FM	platinum	6320/50-20-500	40 11395 13911 0	26 39
6320-0-0034	Busch-triton® Control Element, 5/10-fold, FM	studio white,high gloss	6320/50-24G-500	40 11395 13914 1	26 39
6320-0-0036	Busch-triton® Control Element, 5/10-fold, FM	champagne metallic	6320/50-79-500	40 11395 13916 5	26 39
6320-0-0038	Busch-triton® Control Element, 5/10-fold, FM	aluminium silver	6320/50-83-500	40 11395 13918 9	26 39
6320-0-0040	Busch-triton® Control Element, 5/10-fold, FM	palladium	6320/50-260-500	40 11395 13921 9	26 39
6320-0-0042	Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	platinum	6320/58-20-500	40 11395 13923 3	26 28, 39
6320-0-0044	Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	studio white,high gloss	6320/58-24G-500	40 11395 13926 4	26 28, 39
6320-0-0046	Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	champagne metallic	6320/58-79-500	40 11395 13928 8	26 28, 39
6320-0-0048	Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	aluminium silver	6320/58-83-500	40 11395 13931 8	26 28, 39
6320-0-0050	Busch-triton® Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	palladium	6320/58-260-500	40 11395 13933 2	26 28, 39
6599-0-0195	Cover Plate for Room Thermostat, Commercial	alpine white (SI-Series)	2114-214	40 11395 37520 4	19 29
6599-0-1193	Cover Plate for Room Thermostat, Commercial	white (SI-Series)	2114-212	40 11395 37870 0	19 29
6599-0-1557	Cover Plate for Room Thermostat, Commercial	studio white, matt	6541-24	40 11395 38180 9	19 29
6599-0-2076	Cover Plate for Room Thermostat, Commercial	alpine white	6541-74	40 11395 54180 7	19 29
6599-0-2142	Cover Plate for Room Thermostat, Commercial	champagne metallic	6541-79	40 11395 55810 2	19 29
6599-0-2332	Cover Plate for Room Thermostat, Commercial	studio white, high gloss	6541-24G	40 11395 70860 6	19 29
6599-0-2795	Cover Plate for Room Thermostat, Commercial	ivory	6541-22G	40 11395 91730 5	19 29
6599-0-2832	Cover Plate for Room Thermostat, Commercial	savanna/ivory	6541-82	40 11395 99569 3	19 29
6599-0-2835	Cover Plate for Room Thermostat, Commercial	davos/studio white	6541-84	40 11395 99663 8	19 29
6599-0-2844	Cover Plate for Room Thermostat, Commercial	toscana/purple	6541-87	40 11395 99917 2	19 29
6599-0-2882	Cover Plate for Room Thermostat, Commercial	anthracite	6541-81	40 11395 05642 4	19 29
6599-0-2885	Cover Plate for Room Thermostat, Commercial	aluminium silver	6541-83	40 11395 07445 9	19 29
6599-0-2924	Cover Plate for Room Thermostat, Commercial	stainless steel	6541-866	40 11395 08815 9	19 29
6599-0-2936	Cover Plate for Room Thermostat, Commercial	sahara/yellow	6541-815	40 11395 11111 6	19 29
6599-0-2940	Cover Plate for Room Thermostat, Commercial	meteor/grey metallic	6541-803	40 11395 11115 4	19 29
6599-0-2962	Cover Plate for Room Thermostat, Commercial	studio white, matt	6541-884	40 11395 12964 7	19 29
6599-0-2967	Cover Plate for Room Thermostat, Commercial	black matt	6541-885	40 11395 12965 4	19 29
6800-0-2512	Busch-Smoke Alarm ProfessionalLine	studio white	6826-84	40 11395 13741 3	14 49
6800-0-2513	Busch-Heat Alarm ProfessionalLine	studio white	6827-84	40 11395 13744 4	14 49
6800-0-2514	Busch-Smoke Alarm Radio Module		6828	40 11395 13745 1	14 49
6800-0-2515	Busch-Smoke Alarm Relay	studio white	6829-84	40 11395 13746 8	14 49
6800-0-2516	Busch-Smoke Alarm Remote Controller	studio white	6824-84	40 11395 13747 5	14 49
6899-0-0282	Surface Mounting Base for Presence Detector	alpine white	6885-500	40 11395 00468 5	29 24, 29
6899-0-0292	Corner Adapter for Busch-Watchdog® Sensor	white	6887-204-500	40 11395 06443 6	29 24
6899-0-0297	Surface Mounting Base for Presence Detector	aluminium silver	6885-183-500	40 11395 06825 0	29 24, 29
8136-0-0002	Busch-ComfortTouch		8136-500	40 11395 10162 9	34 31
8136-0-0004	Design Frame for Busch-ComfortTouch	glas black	8136/20-500	40 11395 10168 1	34 31
8136-0-0006	Design Frame for Busch-ComfortTouch	glas white	8136/23-500	40 11395 10171 1	34 31
8136-0-0012	Camera Module for Busch-ComfortTouch	chrome	8136/30-500	40 11395 10177 3	34 31
8136-0-0014	Camera Module for Busch-ComfortTouch	aluminium	8136/31-500	40 11395 10179 7	34 31
8136-0-0016	Design Strip for Busch-ComfortTouch	chrome	8136/40-500	40 11395 11182 6	34 31
8136-0-0018	Design Strip for Busch-ComfortTouch	aluminium	8136/41-500	40 11395 11184 0	34 31
8136-0-0020	Flush Mounted Wall Box for Busch-ComfortTouch		8136/UP-500	40 11395 11921 1	34 31
GH Q305 0008 R0001	Gas Detector		SGL	40 13232 53313 3	50 48
GH Q305 0017 R0001	Siren in Enclosure		SSF/G	40 16779 53466 6	50 49
GH Q305 0018 R0001	Combination Signalling Device		SSF/GB	40 16779 53447 3	50 49
GH Q305 0023 R0001	SafeKey Wall Reader, SM	stainless steel	WEL/A,ES	40 16779 58570 5	53 46
GH Q305 0024 R0001	SafeKey Wall Reader with Keypad, SM	stainless steel	WELT/A,ES	40 16779 58571 2	53 46
GH Q305 0024 R0011	SafeKey Wall Reader with Keypad, SM	chrome matt	WELT/A,MC	40 16779 65789 1	53 46
GH Q305 0027 R0001	Safekey Chipkey		SCS	40 16779 58575 0	53 46
GH Q305 0031 R0001	Safekey Evaluation Module		L240/BS	40 16779 58561 3	53 46
GH Q320 1972 R0001	Magnet Reed Contact Set	white	MRS/W	40 16779 50660 1	50 47
GH Q320 1972 R0002	Magnet Reed Contact Set	brown	MRS/B	40 16779 50659 5	50 47
GH Q320 1972 R0011	Magnet Reed Contact Saver Set	white	VMRS/W	40 16779 50658 8	50 47
GH Q320 1972 R0012	Magnet Reed Contact Saver Set	brown	VMRS/B	40 16779 50657 1	50 47
GH Q320 1973 R0021	Rolling Door Magnet Reed Contact Set		RTK	40 13232 50655 7	50 47
GH Q328 0001 R0001	LCD Keypad	german	L840/PT	40 13232 73200 3	50 45
GH Q328 0011 R0001	Zone Bus-Module, 4-fold		L840/MG4	40 13232 73240 9	50 46
GH Q328 0013 R0001	Distribution Enclosure, FM		SAD/GUP	40 13232 73260 7	50 46
GH Q328 0014 R0001	Wall Box for SAD/GUP		SAD/ED	40 13232 73270 6	50 46

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Order code	Description	Type	EAN	PG	Page
GH Q328 0015 R0001	Distribution Enclosure, SM	SAD/GAP	40 13232 73280 5	50	46
GH Q328 0201 R0001	LED Keypad	L208/PT	40 16779 44500 9	50	45
GH Q328 0220 R0001	Serial Interface Module	L208/V.24	40 16779 44510 8	50	45
GH Q400 1906 R0001	Loctite Adhesive	LKS	40 13232 39280 1	50	47
GH Q403 0001 R0004	Water Detector	SWM4	40 13232 05740 3	50	48
GH Q403 0001 R0012	Water Detector with Relay Output	SWM4/RN	40 13232 05750 2	50	48
GH Q600 1942 R0001	Programming Set for Time Switches	PS/E 1.1	40 16779 50104 0	20	30
GH Q600 1943 R0001	Memory Card for PS/E	PK/E 1.1	40 16779 50105 7	20	30
GH Q605 0031 R0021	Antenna for Radio Time Switch, SM	FA/A 2.1	40 16779 51237 4	20	30
GH Q605 0053 R0001	Optical Fibre Interface, MDRC	LL/S 1.1	40 16779 39210 5	20	3
GH Q605 0056 R0002	Power Supply Unit, 12 V DC, 1.6 A, MDRC	NT/S 12.1600	40 16779 51467 5	20	2
GH Q605 0057 R0002	Power Supply Unit, 24 V DC, 0.8 A, MDRC	NT/S 24.800	40 16779 51468 2	20	2
GH Q605 0059 R0005	Control and Display Tableau, LCD, white	MT 701.2, WS	40 16779 57581 2	20	32
GH Q605 0059 R0006	Control and Display Tableau, LCD, silver	MT 701.2, SR	40 16779 57582 9	20	32
GH Q605 0059 R0011	Cover Frame for Control and Display Tableau, white	T-RAHM, WS	40 16779 49585 1	20	32
GH Q605 0059 R0012	Cover Frame for Control and Display Tableau, silver	T-RAHM, SR	40 16779 49586 8	20	32
GH Q605 0059 R0014	Wall box for Control and Display Tableau	UP-KAST 2	40 16779 51396 8	20	32
GH Q605 0060 R0001	Radio Time Switch, 4-channel, MDRC	FW/S 4.5	40 16779 50093 7	20	30
GH Q605 0061 R0001	Time Switch, 4-channel, MDRC	SW/S 4.5	40 16779 50096 8	20	30
GH Q605 0062 R0001	Time Switch, 2-channel, MDRC	SW/S 2.5	40 16779 50067 5	20	30
GH Q605 0063 R0001	Brightness Sensor, 3-channel, MDRC	HS/S 3.1	40 16779 50098 2	20	23
GH Q630 1901 R0001	Bus Connection Terminal, red/black	BUSKLEMMME	40 12233 80230 2	20	4
GH Q630 1902 R0001	Connection Terminal, white/yellow	KLEMMME	40 16779 07930 3	20	4
GH Q630 1908 R0001	Wiring Jumper, horizontal, 200 mm	VB/K 200.1	40 16779 46980 7	20	4
GH Q630 1908 R0002	Wiring Jumper, vertical, 270 mm	VB/K 270.1	40 16779 46990 6	20	4
GH Q630 1908 R0003	Wiring Jumper, horizontal, 100 mm	VB/K 100.1	40 16779 50103 3	20	4
GH Q630 1908 R0004	Wiring Jumper, vertical, 360 mm	VB/K 360.1	40 16779 84676 9	20	4
GH Q630 1910 R0001	Cable Set, Basic	KS/K 4.1	40 16779 51725 6	20	2
GH Q630 1910 R0011	Cable Set, Extension	KS/K 2.1	40 16779 52893 1	20	2
GH Q631 0009 R0001	Surge Arrester	US/E 1	40 16779 00570 8	20	4
GH Q631 0038 R0111	Power Supply, 320 mA, MDRC	SV/S 30.320.5	40 16779 49090 0	26	2
GH Q631 0044 R0111	Electronic Relay, 1-fold, FM	ER/U 1.1	40 16779 49725 1	26	26
GH Q631 0048 R0111	Power Supply, 640 mA, MDRC	SV/S 30.640.5	40 16779 51474 3	26	2
GH Q631 0070 R0111	Universal Interface, 4-fold, FM	US/U 4.2	40 16779 56481 6	26	11, 26, 35
GH Q631 0074 R0111	Universal Interface, 2-fold, FM	US/U 2.2	40 16779 56483 0	26	11, 26, 35
GH Q631 0080 R0111	Logic Module, MDRC	LM/S 1.1	40 16779 58121 9	26	30
GH Q631 0084 R0111	Shutter Control Unit, MDRC	JSB/S 1.1	40 16779 57993 3	26	19
GH Q631 0085 R0111	Fault Monitoring Unit, MDRC	SMB/S 1.1	40 16779 58092 2	26	45
GH Q713 2443 R0003	Spare Paper for Emergency Call Button	EP	40 13232 04220 1	50	48
GH Q713 2443 R0004	Cover Plate	NDA/W	40 13232 61690 7	50	48
GH Q713 2443 R0011	Emergency Call Button, white, SM	ND/W	40 13232 02540 2	50	48
GH Q713 2443 R0021	Emergency Call Button, white, FM	NDU/W	40 13232 02550 1	50	48
GH V902 0012 V0021	Aerosol for Testing Smoke Detectors, 250 ml	FPAO3	40 16779 53444 4	52	49
GH V921 0018 V0021	Window Opening Plunger, 35 N, Vds-Cl. C	ADB/1	40 13232 53440 4	50	48
GH V921 0018 V0022	Window Lock Monitoring Contact	VSUE	40 13232 70120 7	50	48
GH V922 0004 V0004	Mechanical Glass Break Test Device	GP2	40 16779 66670 4	50	47
GH V922 0004 V0009	Glass Break Sensor	SPGS/W	40 13232 61420 0	50	47
GH V922 0004 V0010	Glass Break Sensor	SPGS/B	40 13232 61430 9	50	47
GH V922 0009 V0003	Vibration Detector	EMA/W	40 13232 57190 9	50	47
GH V923 0039 V0020	Mounting Bracket for Infra-Red Detector	MW	40 13232 66580 6	50	46, 48
GH V924 0001 V0011	Sealed Lead Acid Battery, 12 VDC, 7 Ah	SAK7	40 13232 74493 8	50	2, 45
GH V924 0001 V0012	Sealed Lead Acid Battery, 12 V DC, 12 Ah	SAK12	40 13232 74494 5	50	2
GH V924 0001 V0013	Sealed Lead Acid Battery, 12 V DC, 17 Ah	SAK17	40 13232 74495 2	50	2
GH V925 0010 V0001	Electromechanical Bolt Lock	ESPE	40 13232 70140 5	50	46
GH V925 0010 V0002	Replacement Locking Bolt	EVSB	40 16779 44170 4	50	46
GH V925 0010 V0003	Mounting Kit for raised door panel and frame	AMSE	40 16779 49290 4	50	46
GH V925 0010 V0004	Mounting Kit for flat door panel and frame	AMSP	40 16779 49280 5	50	46
GH V927 0001 V0001	Electronic Solid-State Siren	SSS	40 13232 02320 0	50	49
GH V927 0013 V0101	Reed Relay, 12 V	RL	40 13232 66560 8	50	49
GHQ 631 0049 R0111	Uninterruptible Power Supply, 640 mA, MDRC	SU/S 30.640.1	40 16779 51477 4	26	2
GHQ 631 0062 R0111	Battery Module, 12 V DC, MDRC	AM/S 12.1	40 16779 51481 1	26	2
GHV9210018V0020	Window Opening Plunger, 150 N	ADB	40 13232 53420 1	50	48

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Type	Description		Order code	EAN	PG	Page
1721-181K	Frame, 1-fold	anthracite	1754-0-4240	40 11395 05080 4	04	50
1721-182K	Frame, 1-fold	savanna/ivory	1754-0-4230	40 11395 05043 9	01	50
1721-183K	Frame, 1-fold	aluminium silver	1754-0-4301	40 11395 06905 9	04	50
1721-184K	Frame, 1-fold	davos/studio white	1754-0-4235	40 11395 05075 0	01	50
1721-281	Frame, 1-fold	black	1754-0-4409	40 11395 12636 3	04	51
1721-284	Frame, 1-fold	davos/studio white	1754-0-4331	40 11395 11324 0	04	51
1721-285	Frame, 1-fold	yellow	1754-0-4334	40 11395 11327 1	04	51
1721-286	Frame, 1-fold	green	1754-0-4337	40 11395 11331 8	04	51
1721-287	Frame, 1-fold	red	1754-0-4340	40 11395 11334 9	04	51
1721-288	Frame, 1-fold	blue	1754-0-4343	40 11395 11337 0	04	51
1721-80	Frame, 1-fold	chrome, matt	1754-0-4104	40 11395 99482 5	04	50
1721-80G	Frame, 1-fold	chrome, glossy	1754-0-4326	40 11395 11305 9	04	50
1721-810	Frame, 1-fold	glass	1754-0-4250	40 11395 05671 4	04	50
1721-821	Frame, 1-fold	bronze	1754-0-4258	40 11395 05687 5	04	50
1721-823-101	Frame, 1-fold	gold	1754-0-4356	40 11395 11522 0	04	50
1721-825	Frame, 1-fold	glass dark	1754-0-4322	40 11395 08891 3	04	50
1721-826-101	Frame, 1-fold	chrome	1754-0-4360	40 11395 11526 8	04	50
1721-84	Frame, 1-fold	davos/studio white	1754-0-4109	40 11395 99611 9	01	50
1721-860	Frame, 1-fold	stainless steel	1754-0-4254	40 11395 05679 0	04	50
1721-866K	Frame, 1-fold	stainless steel	1754-0-4317	40 11395 08831 9	04	50
1721-884K	Frame, 1-fold	studio white, matt	1754-0-4414	40 11395 12824 4	01	50
1721-885K	Frame, 1-fold	black matt	1754-0-4419	40 11395 12829 9	04	50
1722-181K	Frame, 2-fold	anthracite	1754-0-4241	40 11395 05081 1	04	50
1722-182K	Frame, 2-fold	savanna/ivory	1754-0-4231	40 11395 05070 5	01	50
1722-183K	Frame, 2-fold	aluminium silver	1754-0-4302	40 11395 06907 3	04	50
1722-184K	Frame, 2-fold	davos/studio white	1754-0-4236	40 11395 05076 7	01	50
1722-281	Frame, 2-fold	black	1754-0-4410	40 11395 12637 0	04	51
1722-284	Frame, 2-fold	davos/studio white	1754-0-4332	40 11395 11325 7	04	51
1722-285	Frame, 2-fold	yellow	1754-0-4335	40 11395 11328 8	04	51
1722-286	Frame, 2-fold	green	1754-0-4338	40 11395 11332 5	04	51
1722-287	Frame, 2-fold	red	1754-0-4341	40 11395 11335 6	04	51
1722-288	Frame, 2-fold	blue	1754-0-4344	40 11395 11338 7	04	51
1722-80	Frame, 2-fold	chrome, matt	1754-0-4105	40 11395 99484 9	04	50
1722-80G	Frame, 2-fold	chrome, glossy	1754-0-4327	40 11395 11306 6	04	50
1722-810		glass	1754-0-4251	40 11395 05673 8	04	50
1722-821	Frame, 2-fold	bronze	1754-0-4259	40 11395 05689 9	04	50
1722-823-101	Frame, 2-fold	gold	1754-0-4357	40 11395 11523 7	04	50
1722-825	Frame, 2-fold	glass dark	1754-0-4323	40 11395 08892 0	04	50
1722-826-101	Frame, 2-fold	chrome	1754-0-4361	40 11395 11527 5	04	50
1722-84	Frame, 2-fold	davos/studio white	1754-0-4110	40 11395 99613 3	01	50
1722-860	Frame, 2-fold	stainless steel	1754-0-4255	40 11395 05681 3	04	50
1722-866K	Frame, 2-fold	stainless steel	1754-0-4318	40 11395 08834 0	04	50
1722-884K	Frame, 2-fold	studio white, matt	1754-0-4415	40 11395 12825 1	01	50
1722-885K	Frame, 2-fold	black matt	1754-0-4420	40 11395 12831 2	04	50
1723-181K	Frame, 3-fold	anthracite	1754-0-4242	40 11395 05088 28	04	50
1723-182K	Frame, 3-fold	savanna/ivory	1754-0-4232	40 11395 05071 2	01	50
1723-183K	Frame, 3-fold	aluminium silver	1754-0-4308	40 11395 07015 4	04	50
1723-184K	Frame, 3-fold	davos/studio white	1754-0-4237	40 11395 05077 4	01	50
1723-281	Frame, 3-fold	black	1754-0-4411	40 11395 12638 7	04	51
1723-284	Frame, 3-fold	davos/studio white	1754-0-4333	40 11395 11326 4	04	51
1723-285	Frame, 3-fold	yellow	1754-0-4336	40 11395 11329 5	04	51
1723-286	Frame, 3-fold	green	1754-0-4339	40 11395 11333 2	04	51
1723-287	Frame, 3-fold	red	1754-0-4342	40 11395 11336 3	04	51
1723-288	Frame, 3-fold	blue	1754-0-4345	40 11395 11339 4	04	51
1723-80	Frame, 3-fold	chrome, matt	1754-0-4106	40 11395 99486 3	04	50
1723-80G	Frame, 3-fold	chrome, glossy	1754-0-4328	40 11395 11307 3	04	50
1723-810	Frame, 3-fold	glass	1754-0-4252	40 11395 05675 2	04	50
1723-821	Frame, 3-fold	bronze	1754-0-4260	40 11395 05691 2	04	50
1723-823-101	Frame, 3-fold	gold	1754-0-4358	40 11395 11524 4	04	50
1723-825	Frame, 3-fold	glass dark	1754-0-4324	40 11395 08893 7	04	50
1723-826-101	Frame, 3-fold	chrome	1754-0-4362	40 11395 11528 2	04	50
1723-84	Frame, 3-fold	davos/studio white	1754-0-4111	40 11395 99615 7	01	50
1723-860	Frame, 3-fold	stainless steel	1754-0-4256	40 11395 05683 7	04	50
1723-866K	Frame, 3-fold	stainless steel	1754-0-4319	40 11395 08837 1	04	50
1723-884K	Frame, 3-fold	studio white, matt	1754-0-4416	40 11395 12826 8	01	50
1723-885K	Frame, 3-fold	black matt	1754-0-4421	40 11395 12832 9	04	50
1724-181K	Frame, 4-fold	anthracite	1754-0-4243	40 11395 05083 5	04	50
1724-182K	Frame, 4-fold	savanna/ivory	1754-0-4233	40 11395 05073 6	01	50
1724-183K	Frame, 4-fold	aluminium silver	1754-0-4309	40 11395 07483 1	04	50
1724-184K	Frame, 4-fold	davos/studio white	1754-0-4238	40 11395 05078 1	01	50
1724-281	Frame, 4-fold	black	1754-0-4412	40 11395 12638 7	04	51
1724-284	Frame, 4-fold	davos/studio white	1754-0-4346	40 11395 11341 7	04	51
1724-285	Frame, 4-fold	yellow	1754-0-4348	40 11395 11343 1	04	51
1724-286	Frame, 4-fold	green	1754-0-4350	40 11395 11345 5	04	51
1724-287	Frame, 4-fold	red	1754-0-4352	40 11395 11347 9	04	51
1724-288	Frame, 4-fold	blue	1754-0-4354	40 11395 11349 3	04	51
1724-80	Frame, 4-fold	chrome, matt	1754-0-4107	40 11395 99488 7	04	50
1724-80G	Frame, 4-fold	chrome, glossy	1754-0-4329	40 11395 11308 0	04	50
1724-810	Frame, 4-fold	glass	1754-0-4253	40 11395 05677 6	04	50
1724-821	Frame, 4-fold	bronze	1754-0-4261	40 11395 05693 6	04	50
1724-823-101	Frame, 4-fold	gold	1754-0-4359	40 11395 11525 1	04	50
1724-825	Frame, 4-fold	glass dark	1754-0-4325	40 11395 08894 4	04	50
1724-826-101	Frame, 4-fold	chrome	1754-0-4363	40 11395 11529 9	04	50
1724-84	Frame, 4-fold	davos/studio white	1754-0-4112	40 11395 99617 1	01	50

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Type	Description		Order code	EAN	PG	Page
1724-860	Frame, 4-fold	stainless steel	1754-0-4257	40 11395 05685 1	04	50
1724-866K	Frame, 4-fold	stainless steel	1754-0-4320	40 11395 08839 5	04	50
1724-884K	Frame, 4-fold	studio white, matt	1754-0-4417	40 11395 12827 5	01	50
1724-885K	Frame, 4-fold	black matt	1754-0-4422	40 11395 12833 6	04	50
1725-181K	Frame, 5-fold	anthracite	1754-0-4244	40 11395 05084 2	04	50
1725-182K	Frame, 5-fold	savanna/ivory	1754-0-4234	40 11395 05074 3	01	50
1725-183K	Frame, 5-fold	aluminium silver	1754-0-4310	40 11395 07484 8	04	50
1725-184K	Frame, 5-fold	davos/studio white	1754-0-4239	40 11395 05079 8	01	50
1725-281	Frame, 5-fold	black	1754-0-4413	40 11395 12661 5	04	51
1725-284	Frame, 5-fold	davos/studio white	1754-0-4347	40 11395 11342 4	04	51
1725-285	Frame, 5-fold	yellow	1754-0-4349	40 11395 11344 8	04	51
1725-286	Frame, 5-fold	green	1754-0-4351	40 11395 11346 2	04	51
1725-287	Frame, 5-fold	red	1754-0-4353	40 11395 11348 6	04	51
1725-288	Frame, 5-fold	blue	1754-0-4355	40 11395 11351 6	04	51
1725-80	Frame, 5-fold	chrome, matt	1754-0-4108	40 11395 99492 4	04	50
1725-80G	Frame, 5-fold	chrome, glossy	1754-0-4330	40 11395 11309 7	04	50
1725-84	Frame, 5-fold	davos/studio white	1754-0-4113	40 11395 99619 5	01	50
1725-866K	Frame, 5-fold	stainless steel	1754-0-4321	40 11395 08842 5	04	50
1725-884K	Frame, 5-fold	studio white, matt	1754-0-4418	40 11395 12828 2	01	50
1725-885K	Frame, 5-fold	black matt	1754-0-4423	40 11395 12834 3	04	50
2114-212	Cover Plate for Room Thermostat, Commercial	white (SI-Series)	6599-0-1193	40 11395 37870 0	19	29
2114-214	Cover Plate for Room Thermostat, Commercial	alpine white (SI-Series)	6599-0-0195	40 11395 37520 4	19	29
6010-25-500	Infrared Hand Held Transmitter		6020-0-1133	40 11395 93850 8	19	39
6108/01-500	KNX Switch Connection Unit, 1/2-fold, FM		6133-0-0207	40 11395 13542 6	26	37
6108/02-500	KNX Switch Connection Unit, 2/4-fold, FM		6133-0-0209	40 11395 13544 0	26	37
6108/03-500	Room Temperature Controller, Commercial, FM		6134-0-0271	40 11395 13546 4	26	28
6108/04-500	KNX Switch Connection Unit for design ocean [®] (IP44), 1/2-fold, FM		6133-0-0211	40 11395 14403 9	26	37
6108/05-500	KNX Switch Connection Unit for design ocean [®] (IP44), 2/4-fold, FM		6133-0-0213	40 11395 14405 3	26	37
6120/12-101-500	Bus Coupler, FM		6120-0-0075	40 11395 13548 8	26	3, 35, 37
6120/12-101-508	Bus Coupler, FM, swiss version		6120-0-0076	40 11395 14733 7	26	3, 35, 37
6120/13-500	Power Bus Coupler, FM, Busch-priOn [®]		6120-0-0072	40 11395 10227 5	26	3, 35
6120/13-508	Power Bus Coupler, FM, Busch-priOn [®] , swiss version		6120-0-0073	40 11395 11658 6	26	3, 35
6122/01-803-500	Busch-Watchdog [®] 180 Standard, FM	meteor/metallic grey	6132-0-0279	40 11395 14056 7	26	24
6122/01-81-500	Busch-Watchdog [®] 180 Standard, FM	anthracite	6132-0-0272	40 11395 14048 2	26	24
6122/01-815-500	Busch-Watchdog [®] 180 Standard, FM	sahara/yellow	6132-0-0280	40 11395 14057 4	26	24
6122/01-82-500	Busch-Watchdog [®] 180 Standard, FM	savanne/ivory	6132-0-0273	40 11395 14049 9	26	24
6122/01-83-500	Busch-Watchdog [®] 180 Standard, FM	aluminium silver	6132-0-0274	40 11395 14051 2	26	24
6122/01-84-500	Busch-Watchdog [®] 180 Standard, FM	davos/studio white	6132-0-0250	40 11395 13505 1	26	24
6122/01-866-500	Busch-Watchdog [®] 180 Standard, FM	stainless steel	6132-0-0278	40 11395 14055 0	26	24
6122/01-87-500	Busch-Watchdog [®] 180 Standard, FM	toscana/purple	6132-0-0276	40 11395 14053 6	26	24
6122/01-884-500	Busch-Watchdog [®] 180 Standard, FM	studio white, matt	6132-0-0281	40 11395 14058 1	26	24
6122/01-885-500	Busch-Watchdog [®] 180 Standard, FM	black, matt	6132-0-0282	40 11395 14059 8	26	24
6122/02-803-500	Busch-Watchdog [®] 180 Comfort, FM	meteor/metallic grey	6132-0-0290	40 11395 14067 3	26	24
6122/02-81-500	Busch-Watchdog [®] 180 Comfort, FM	anthracite	6132-0-0283	40 11395 14060 4	26	24
6122/02-815-500	Busch-Watchdog [®] 180 Comfort, FM	sahara/yellow	6132-0-0291	40 11395 14068 0	26	24
6122/02-82-500	Busch-Watchdog [®] 180 Comfort, FM	savanne/ivory	6132-0-0284	40 11395 14061 1	26	24
6122/02-83-500	Busch-Watchdog [®] 180 Comfort, FM	aluminium silver	6132-0-0285	40 11395 14062 8	26	24
6122/02-84-500	Busch-Watchdog [®] 180 Comfort, FM	davos/studio white	6132-0-0263	40 11395 13521 1	26	24
6122/02-866-500	Busch-Watchdog [®] 180 Comfort, FM	stainless steel	6132-0-0289	40 11395 14066 6	26	24
6122/02-87-500	Busch-Watchdog [®] 180 Comfort, FM	toscana/purple	6132-0-0287	40 11395 14064 2	26	24
6122/02-884-500	Busch-Watchdog [®] 180 Comfort, FM	studio white, matt	6132-0-0292	40 11395 14069 7	26	24
6122/02-885-500	Busch-Watchdog [®] 180 Comfort, FM	black, matt	6132-0-0293	40 11395 14070 3	26	24
6124/01-803-500	Room Thermostat with Display, FM	meteor/grey metallic	6134-0-0280	40 11395 14077 2	26	27
6124/01-81-500	Room Thermostat with Display, FM	anthracite	6134-0-0295	40 11395 14351 3	26	27
6124/01-815-500	Room Thermostat with Display, FM	sahara/yellow	6134-0-0281	40 11395 14078 9	26	27
6124/01-82-500	Room Thermostat with Display, FM	savanna/ivory	6134-0-0274	40 11395 14071 0	26	27
6124/01-83-500	Room Thermostat with Display, FM	aluminium silver	6134-0-0275	40 11395 14072 7	26	27
6124/01-84-500	Room Thermostat with Display, FM	davos/studio white	6134-0-0248	40 11395 13535 8	26	27
6124/01-866-500	Room Thermostat with Display, FM	stainless steel	6134-0-0279	40 11395 14076 5	26	27
6124/01-87-500	Room Thermostat with Display, FM	toscana/purple	6134-0-0277	40 11395 14074 1	26	27
6124/01-884-500	Room Thermostat with Display, FM	studio white, matt	6134-0-0282	40 11395 14079 6	26	27
6124/01-885-500	Room Thermostat with Display, FM	black, matt	6134-0-0283	40 11395 14081 9	26	27
6125/01-803-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	meteor/grey metallic	6115-0-0212	40 11395 13954 7	26	37
6125/01-81-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	anthracite	6115-0-0205	40 11395 13947 9	26	37
6125/01-815-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	savanne/ivory	6115-0-0213	40 11395 13955 4	26	37
6125/01-82-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	savanne/ivory	6115-0-0206	40 11395 13948 6	26	37
6125/01-83-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	aluminium silver	6115-0-0207	40 11395 13949 3	26	37
6125/01-84-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	davos/studio white	6115-0-0183	40 11395 13559 4	26	37
6125/01-866-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	stainless steel	6115-0-0211	40 11395 13953 0	26	37
6125/01-87-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	toscana/purple	6115-0-0209	40 11395 13951 6	26	37
6125/01-884-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	studio white, matt	6115-0-0214	40 11395 13956 1	26	37
6125/01-885-500	Control Element with Bus Coupler, 1/2-fold, standard, FM	black, matt	6115-0-0215	40 11395 13957 8	26	37
6125/02-803-500	Control Element, 1/2-fold, multifunction, FM	meteor/grey metallic	6115-0-0224	40 11395 13967 7	26	38
6125/02-81-500	Control Element, 1/2-fold, multifunction, FM	anthracite	6115-0-0216	40 11395 13958 5	26	38
6125/02-815-500	Control Element, 1/2-fold, multifunction, FM	savanne/ivory	6115-0-0225	40 11395 13968 4	26	38
6125/02-82-500	Control Element, 1/2-fold, multifunction, FM	savanne/ivory	6115-0-0217	40 11395 13959 2	26	38
6125/02-83-500	Control Element, 1/2-fold, multifunction, FM	aluminium silver	6115-0-0218	40 11395 13961 5	26	38
6125/02-84-500	Control Element, 1/2-fold, multifunction, FM	davos/studio white	6115-0-0219	40 11395 13962 2	26	38
6125/02-866-500	Control Element, 1/2-fold, multifunction, FM	stainless steel	6115-0-0223	40 11395 13966 0	26	38
6125/02-87-500	Control Element, 1/2-fold, multifunction, FM	toscana/purple	6115-0-0221	40 11395 13964 6	26	38
6125/02-884-500	Control Element, 1/2-fold, multifunction, FM	studio white, matt	6115-0-0226	40 11395 13969 1	26	38
6125/02-885-500	Control Element, 1/2-fold, multifunction, FM	black, matt	6115-0-0227	40 11395 13971 4	26	38
6126/01-803-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	meteor/grey metallic	6116-0-0202	40 11395 13994 3	26	37
6126/01-81-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	anthracite	6116-0-0195	40 11395 13985 1	26	37

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Type	Description		Order code	EAN	PG	Page
6126/01-815-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	savanne/ivory	6116-0-0203	40 11395 13995 0	26	37
6126/01-82-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	savanne/ivory	6116-0-0196	40 11395 13986 8	26	37
6126/01-83-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	aluminium silver	6116-0-0197	40 11395 13987 5	26	37
6126/01-84-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	davos/studio white	6116-0-0174	40 11395 13574 7	26	37
6126/01-866-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	stainless steel	6116-0-0201	40 11395 13993 6	26	37
6126/01-87-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	tosacana/purple	6116-0-0199	40 11395 13991 2	26	37
6126/01-884-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	studio white, matt	6116-0-0204	40 11395 13996 7	26	37
6126/01-885-500	Control Element with Bus Coupler, 2/4-fold, standard, FM	black, matt	6116-0-0205	40 11395 13997 4	26	37
6126/02-803-500	Control Element, 2/4-fold, multifunction, FM	meteor/grey metallic	6116-0-0214	40 11395 14007 9	26	38
6126/02-81-500	Control Element, 2/4-fold, multifunction, FM	anthracite	6116-0-0206	40 11395 13998 1	26	38
6126/02-815-500	Control Element, 2/4-fold, multifunction, FM	savanne/ivory	6116-0-0215	40 11395 14008 6	26	38
6126/02-82-500	Control Element, 2/4-fold, multifunction, FM	savanne/ivory	6116-0-0207	40 11395 13999 8	26	38
6126/02-83-500	Control Element, 2/4-fold, multifunction, FM	aluminium silver	6116-0-0208	40 11395 14001 7	26	38
6126/02-84-500	Control Element, 2/4-fold, multifunction, FM	davos/studio white	6116-0-0209	40 11395 14002 4	26	38
6126/02-866-500	Control Element, 2/4-fold, multifunction, FM	stainless steel	6116-0-0213	40 11395 14006 2	26	38
6126/02-87-500	Control Element, 2/4-fold, multifunction, FM	tosacana/purple	6116-0-0211	40 11395 14004 8	26	38
6126/02-884-500	Control Element, 2/4-fold, multifunction, FM	studio white, matt	6116-0-0216	40 11395 14009 3	26	38
6126/02-885-500	Control Element, 2/4-fold, multifunction, FM	black, matt	6116-0-0217	40 11395 14011 6	26	38
6127/01-803-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	meteor/grey metallic	6117-0-0228	40 11395 14031 4	26	37
6127/01-81-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	anthracite	6117-0-0221	40 11395 14024 6	26	37
6127/01-815-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	savanne/ivory	6117-0-0229	40 11395 14032 1	26	37
6127/01-82-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	savanne/ivory	6117-0-0222	40 11395 14025 3	26	37
6127/01-83-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	aluminium silver	6117-0-0223	40 11395 14026 0	26	37
6127/01-84-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	davos/studio white	6117-0-0200	40 11395 13588 4	26	37
6127/01-866-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	stainless steel	6117-0-0227	40 11395 14030 7	26	37
6127/01-87-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	tosacana/purple	6117-0-0225	40 11395 14028 4	26	37
6127/01-884-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	studio white, matt	6117-0-0230	40 11395 14033 8	26	37
6127/01-885-500	Control Element with Bus Coupler, 4/8-fold, standard, FM	black, matt	6117-0-0231	40 11395 14034 5	26	37
6127/02-803-500	Control Element, 4/8-fold, multifunction, FM	meteor/grey metallic	6117-0-0240	40 11395 14044 4	26	38
6127/02-81-500	Control Element, 4/8-fold, multifunction, FM	anthracite	6117-0-0232	40 11395 14035 2	26	38
6127/02-815-500	Control Element, 4/8-fold, multifunction, FM	savanne/ivory	6117-0-0241	40 11395 14045 1	26	38
6127/02-82-500	Control Element, 4/8-fold, multifunction, FM	savanne/ivory	6117-0-0233	40 11395 14036 9	26	38
6127/02-83-500	Control Element, 4/8-fold, multifunction, FM	aluminium silver	6117-0-0234	40 11395 14037 6	26	38
6127/02-84-500	Control Element, 4/8-fold, multifunction, FM	davos/studio white	6117-0-0235	40 11395 14038 3	26	38
6127/02-866-500	Control Element, 4/8-fold, multifunction, FM	stainless steel	6117-0-0239	40 11395 14043 7	26	38
6127/02-87-500	Control Element, 4/8-fold, multifunction, FM	tosacana/purple	6117-0-0237	40 11395 14041 3	26	38
6127/02-884-500	Control Element, 4/8-fold, multifunction, FM	studio white, matt	6117-0-0242	40 11395 14046 8	26	38
6127/02-885-500	Control Element, 4/8-fold, multifunction, FM	black, matt	6117-0-0243	40 11395 14047 5	26	38
6128/01-803-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	meteor/grey metallic	6134-0-0291	40 11395 14089 5	26	28
6128/01-81-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	anthracite	6134-0-0284	40 11395 14082 6	26	28
6128/01-815-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	sahara/yellow	6134-0-0292	40 11395 14091 8	26	28
6128/01-82-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	savanna/ivory	6134-0-0285	40 11395 14083 3	26	28
6128/01-83-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	aluminium silver	6134-0-0286	40 11395 14084 0	26	28
6128/01-84-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	davos/studio white	6134-0-0261	40 11395 13602 7	26	28
6128/01-866-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	stainless steel	6134-0-0290	40 11395 14088 8	26	28
6128/01-87-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	tosacana/purple	6134-0-0288	40 11395 14086 4	26	28
6128/01-884-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	studio white, matt	6134-0-0293	40 11395 14092 5	26	28
6128/01-885-500	Room Thermostat with Display and 2/4-fold Switch Sensor, FM	black, matt	6134-0-0294	40 11395 14093 2	26	28
6129/01-803-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	meteor/grey metallic	6135-0-0163	40 11395 14101 4	26	38
6129/01-81-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	anthracite	6135-0-0166	40 11395 14094 9	26	38
6129/01-815-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	savanne/ivory	6135-0-0164	40 11395 14102 1	26	38
6129/01-82-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	savanne/ivory	6135-0-0157	40 11395 14095 6	26	38
6129/01-83-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	aluminium silver	6135-0-0158	40 11395 14096 3	26	38
6129/01-84-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	davos/studio white	6135-0-0146	40 11395 13616 4	26	38
6129/01-866-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	stainless steel	6135-0-0162	40 11395 14100 7	26	38
6129/01-87-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	tosacana/purple	6135-0-0160	40 11395 14098 7	26	38
6129/01-884-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	studio white, matt	6135-0-0165	40 11395 14103 8	26	38
6129/01-885-500	Control Element, 3/6-fold, multifunction, with IR-Interface, FM	black, matt	6135-0-0166	40 11395 14104 5	26	38
6131/10-183-500	Presence Detector, FM	aluminium silver	6132-0-0297	40 11395 14774 0	26	24
6131/10-24-500	Presence Detector, FM	alpine white	6132-0-0295	40 11395 14772 6	26	24
6131/11-183-500	Presence Detector DualLine, FM	aluminium silver	6132-0-0301	40 11395 14778 8	26	24, 29
6131/11-24-500	Presence Detector DualLine, FM	alpine white	6132-0-0299	40 11395 14776 4	26	24, 29
6136/100C-102-500	Controlpanel SMARTtouch, color		6136-0-0185	40 11395 10675 4	26	31
6136/100CB-102	Controlpanel Bang & Olufsen		6136-0-0186	40 11395 10676 1	26	31
6136/10-500	Design Frame for Controlpanel, dark glas	Flap in Chrome	6136-0-0139	40 11395 07927 0	26	31
6136/11-500	Design Frame for Controlpanel, dark glas	Flap in Aluminium	6136-0-0141	40 11395 07929 4	26	31
6136/13-500	Design Frame for Controlpanel, white glas satined	Flap in Aluminium	6136-0-0155	40 11395 08392 5	26	31
6136/UP	Flush Mounted Wall Box for Controlpanel		6136-0-0124	40 11395 04437 7	26	31
6138/11-83-500	Room Thermostat Fan Coil with Display, SM	aluminium silver	6138-0-0005	40 11395 11613 5	26	8, 26
6138/11-84-500	Room Thermostat Fan Coil with Display, SM	davos/studio white	6138-0-0003	40 11395 11609 8	26	8, 26
6149/21-500	Commissioning Interface / Adapter		6133-0-0201	40 11395 11896 2	26	3, 36
6164 U-500	Heating Actuator, 1-fold, FM		6151-0-0168	40 11395 99044 4	26	26
6179 AGM-204-500	Busch-Watchdog® 220 KNX ProfessionalLine, SM	white	6132-0-0160	40 11395 07406 0	26	24
6179 AGM-208-500	Busch-Watchdog® 220 KNX ProfessionalLine, SM	silver	6132-0-0162	40 11395 07408 4	26	24
6186 UP-500	Modul ABB i-bus KNX for Busch-ComfortTouch		6186-0-0021	40 11395 10164 3	34	31
6197/12-500	Universal Dim Actuator, 4-fold, 210 VA, MDRC		6197-0-0025	40 11395 11908 2	33	23
6197/13-500	Universal Dim Actuator, 4-fold, 315 VA, MDRC		6197-0-0026	40 11395 11909 9	33	23
6197/14-500	Universal Dim Actuator, 6-fold, 315 VA, MDRC		6197-0-0027	40 11395 11911 2	33	23
6197/15-500	Universal Dim Actuator, 4-fold, 600 VA, MDRC		6197-0-0028	40 11395 11912 9	33	23
6197/52-500	Universal Dim Actuator, 1,260 VA, MDRC		6197-0-0029	40 11395 13660 7	33	23
6197/53-500	Universal Dim Actuator, 2,400 VA, MDRC		6197-0-0030	40 11395 13661 4	33	23
6320/10-20-500	Busch-triton® Control Element, 1/2-fold, FM	platinum	6320-0-0002	40 11395 13857 1	26	39
6320/10-24G-500	Busch-triton® Control Element, 1/2-fold, FM	studio white,high gloss	6320-0-0004	40 11395 13873 1	26	39
6320/10-260-500	Busch-triton® Control Element, 1/2-fold, FM	palladium	6320-0-0010	40 11395 13879 3	26	39

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6320/10-79-500	Busch-triton [®] Control Element, 1/2-fold, FM	champagne metallic	6320-0-0006	40 11395 13875 5	26	39
6320/10-83-500	Busch-triton [®] Control Element, 1/2-fold, FM	aluminium silver	6320-0-0008	40 11395 13877 9	26	39
6320/30-20-500	Busch-triton [®] Control Element, 3/6-fold, FM	platinum	6320-0-0012	40 11395 13882 3	26	39
6320/30-24G-500	Busch-triton [®] Control Element, 3/6-fold, FM	studio white,high gloss	6320-0-0014	40 11395 13885 4	26	39
6320/30-260-500	Busch-triton [®] Control Element, 3/6-fold, FM	palladium	6320-0-0020	40 11395 13892 2	26	39
6320/30-79-500	Busch-triton [®] Control Element, 3/6-fold, FM	champagne metallic	6320-0-0016	40 11395 13887 8	26	39
6320/30-83-500	Busch-triton [®] Control Element, 3/6-fold, FM	aluminium silver	6320-0-0018	40 11395 13889 2	26	39
6320/38-20-500	Busch-triton [®] Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	platinum	6320-0-0022	40 11395 13895 3	26	28, 39
6320/38-24G-500	Busch-triton [®] Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	studio white,high gloss	6320-0-0024	40 11395 13897 7	26	28, 39
6320/38-260-500	Busch-triton [®] Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	palladium	6320-0-0030	40 11395 13904 2	26	28, 39
6320/38-79-500	Busch-triton [®] Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	champagne metallic	6320-0-0026	40 11395 13900 4	26	28, 39
6320/38-83-500	Busch-triton [®] Control Element with Room Thermostat and 3/6-fold Switch Sensor, FM	aluminium silver	6320-0-0028	40 11395 13902 8	26	28, 39
6320/50-20-500	Busch-triton [®] Control Element, 5/10-fold, FM	platinum	6320-0-0032	40 11395 13911 0	26	39
6320/50-24G-500	Busch-triton [®] Control Element, 5/10-fold, FM	studio white,high gloss	6320-0-0034	40 11395 13914 1	26	39
6320/50-260-500	Busch-triton [®] Control Element, 5/10-fold, FM	palladium	6320-0-0040	40 11395 13921 9	26	39
6320/50-79-500	Busch-triton [®] Control Element, 5/10-fold, FM	champagne metallic	6320-0-0036	40 11395 13916 5	26	39
6320/50-83-500	Busch-triton [®] Control Element, 5/10-fold, FM	aluminium silver	6320-0-0038	40 11395 13918 9	26	39
6320/58-20-500	Busch-triton [®] Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	platinum	6320-0-0042	40 11395 13923 3	26	28, 39
6320/58-24G-500	Busch-triton [®] Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	studio white,high gloss	6320-0-0044	40 11395 13926 4	26	28, 39
6320/58-260-500	Busch-triton [®] Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	palladium	6320-0-0050	40 11395 13933 2	26	28, 39
6320/58-79-500	Busch-triton [®] Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	champagne metallic	6320-0-0046	40 11395 13928 8	26	28, 39
6320/58-83-500	Busch-triton [®] Control Element with Room Thermostat and 5/10-fold Switch Sensor, FM	aluminium silver	6320-0-0048	40 11395 13931 8	26	28, 39
6340-24G-101-500	Control Element, 1-fold, Busch-priOn [®]	studio white, high gloss	6310-0-0109	40 11395 13092 6	34	35
6340-810-101-500	Control Element, 1-fold, Busch-priOn [®]	glas white	6310-0-0107	40 11395 13089 6	34	35
6340-825-101-500	Control Element, 1-fold, Busch-priOn [®]	glas black	6310-0-0108	40 11395 13091 9	34	35
6340-866-101-500	Control Element, 1-fold, Busch-priOn [®]	stainless steel	6310-0-0106	40 11395 13088 9	34	35
6341-24G-101-500	Rotary Control Element, 1-fold, Busch-priOn [®]	studio white, high gloss	6310-0-0117	40 11395 13100 8	34	35
6341-810-101-500	Rotary Control Element, 1-fold, Busch-priOn [®]	glas white	6310-0-0115	40 11395 13098 8	34	35
6341-825-101-500	Rotary Control Element, 1-fold, Busch-priOn [®]	glas black	6310-0-0116	40 11395 13099 5	34	35
6341-866-101-500	Rotary Control Element, 1-fold, Busch-priOn [®]	stainless steel	6310-0-0114	40 11395 13097 1	34	35
6342-24G-101-500	Control Element, 3-fold, Busch-priOn [®]	studio white, high gloss	6310-0-0125	40 11395 13108 4	34	35
6342-810-101-500	Control Element, 3-fold, Busch-priOn [®]	glas white	6310-0-0123	40 11395 13106 0	34	35
6342-825-101-500	Control Element, 3-fold, Busch-priOn [®]	glas black	6310-0-0124	40 11395 13107 7	34	35
6342-866-101-500	Control Element, 3-fold, Busch-priOn [®]	stainless steel	6310-0-0122	40 11395 13105 3	34	35
6344-24G-101-500	8.89 cm (3,5") TFT-Display with Rotary Control Element, Busch-priOn [®]	studio white, high gloss	6310-0-0133	40 11395 13117 6	34	36
6344-810-101-500	8.89 cm (3,5") TFT-Display with Rotary Control Element, Busch-priOn [®]	glas white	6310-0-0131	40 11395 13115 2	34	36
6344-825-101-500	8.89 cm (3,5") TFT-Display with Rotary Control Element, Busch-priOn [®]	glas black	6310-0-0132	40 11395 13116 9	34	36
6344-866-101-500	8.89 cm (3,5") TFT-Display with Rotary Control Element, Busch-priOn [®]	stainless steel	6310-0-0130	40 11395 13114 5	34	36
6345-24G-101-500	Busch-Watchdog [®] 180 FM Sensor, Busch-priOn [®]	studio white, high gloss	6310-0-0081	40 11395 11873 3	34	36
6345-810-101-500	Busch-Watchdog [®] 180 FM Sensor, Busch-priOn [®]	glas white	6310-0-0079	40 11395 11871 9	34	36
6345-825-101-500	Busch-Watchdog [®] 180 FM Sensor, Busch-priOn [®]	glas black	6310-0-0080	40 11395 11872 6	34	36
6345-866-101-500	Busch-Watchdog [®] 180 FM Sensor, Busch-priOn [®]	stainless steel	6310-0-0078	40 11395 11868 9	34	36
6346/10-101-500	Base Frame, 1-fold, Busch-priOn [®]		6310-0-0135	40 11395 13119 0	34	35
6346/11-101-500	Base Frame, 2-fold, Busch-priOn [®]		6310-0-0137	40 11395 13122 0	34	35
6346/12-101-500	Base Frame, 3-fold, Busch-priOn [®]		6310-0-0139	40 11395 13124 4	34	35
6348-24G-101-500	Top End Strip, Busch-priOn [®]	studio white, high gloss	6310-0-0147	40 11395 13132 9	34	36
6348-810-101-500	Top End Strip, Busch-priOn [®]	glas white	6310-0-0145	40 11395 13130 5	34	36
6348-825-101-500	Top End Strip, Busch-priOn [®]	glas black	6310-0-0146	40 11395 13131 2	34	36
6348-860-101-500	Top End Strip, Busch-priOn [®]	stainless steel	6310-0-0144	40 11395 13129 9	34	36
6349-24G-101-500	Bottom End Strip, without logo, Busch-priOn [®]	studio white, high gloss	6310-0-0155	40 11395 13142 8	34	36
6349-810-101-500	Bottom End Strip, without logo, Busch-priOn [®]	glas white	6310-0-0153	40 11395 13139 8	34	36
6349-825-101-500	Bottom End Strip, without logo, Busch-priOn [®]	glas black	6310-0-0154	40 11395 13140 4	34	36
6349-860-101-500	Bottom End Strip, without logo, Busch-priOn [®]	stainless steel	6310-0-0152	40 11395 13137 4	34	36
6350-825-101-500	Top End Strip with IR-Receiver and Proximity Sensor, Busch-priOn [®]	glas black	6310-0-0157	40 11395 13144 2	34	36
6351-825-101-500	Top End Strip with Display, Room Thermostat, IR Receiver and Proximity Sensor, Busch-priOn [®]	glas black	6310-0-0092	40 11395 13152 7	34	36
6352-24G-101-500	Bottom End Strip with Temperature Sensor, Busch-priOn [®]	studio white, high gloss	6310-0-0165	40 11395 13151 0	34	36
6352-810-101-500	Bottom End Strip with Temperature Sensor, Busch-priOn [®]	glas white	6310-0-0163	40 11395 13150 3	34	36
6352-825-101-500	Bottom End Strip with Temperature Sensor, Busch-priOn [®]	glas black	6310-0-0164	40 11395 13151 0	34	36
6352-860-101-500	Bottom End Strip with Temperature Sensor, Busch-priOn [®]	stainless steel	6310-0-0162	40 11395 13149 7	34	36
6353/20-860-500	Inscription Symbol, Busch-priOn [®] , lighting	stainless steel	6310-0-0093	40 11395 11892 4	34	36
6353/30-860-500	Inscription Symbol, Busch-priOn [®] , blind	stainless steel	6310-0-0094	40 11395 11893 1	34	36
6353/40-860-500	Inscription Symbol, Busch-priOn [®] , Room Temperature	stainless steel	6310-0-0095	40 11395 11894 8	34	36
6353/50-860-500	Inscription Symbol, Busch-priOn [®] , scene	stainless steel	6310-0-0096	40 11395 11895 5	34	36
6354 U-500	Switch Actuator/Sensor, 1-fold, FM, Busch-priOn [®]		6310-0-0097	40 11395 11897 9	34	35
6355 U-500	Universal Dim Actuator, 1-fold, FM, Busch-priOn [®]		6310-0-0098	40 11395 11898 6	34	35
6356 U-500	Shutter/2-fold Actuator, FM, Busch-priOn [®]		6310-0-0099	40 11395 11899 3	34	35
6541-22G	Cover Plate for Room Thermostat, Commercial	ivory	6599-0-2795	40 11395 91730 5	19	29
6541-24	Cover Plate for Room Thermostat, Commercial	studio white, matt	6599-0-1557	40 11395 38180 9	19	29
6541-24G	Cover Plate for Room Thermostat, Commercial	studio white, high gloss	6599-0-2332	40 11395 70860 6	19	29
6541-74	Cover Plate for Room Thermostat, Commercial	alpine white	6599-0-2076	40 11395 54180 7	19	29
6541-79	Cover Plate for Room Thermostat, Commercial	champagne metallic	6599-0-2142	40 11395 55810 2	19	29
6541-803	Cover Plate for Room Thermostat, Commercial	meteor/grey metallic	6599-0-2940	40 11395 11115 4	19	29
6541-81	Cover Plate for Room Thermostat, Commercial	anthracite	6599-0-2882	40 11395 05642 4	19	29
6541-815	Cover Plate for Room Thermostat, Commercial	sahara/yellow	6599-0-2936	40 11395 11111 6	19	29
6541-82	Cover Plate for Room Thermostat, Commercial	savanna/ivory	6599-0-2832	40 11395 99569 3	19	29
6541-83	Cover Plate for Room Thermostat, Commercial	aluminium silver	6599-0-2885	40 11395 07445 9	19	29
6541-84	Cover Plate for Room Thermostat, Commercial	davos/studio white	6599-0-2835	40 11395 99663 8	19	29
6541-866	Cover Plate for Room Thermostat, Commercial	stainless steel	6599-0-2924	40 11395 08815 9	19	29
6541-87	Cover Plate for Room Thermostat, Commercial	toscana/purple	6599-0-2844	40 11395 99917 2	19	29
6541-884	Cover Plate for Room Thermostat, Commercial	studio white, matt	6599-0-2962	40 11395 12964 7	19	29
6541-885	Cover Plate for Room Thermostat, Commercial	black matt	6599-0-2967	40 11395 12965 4	19	29
6824-84	Busch-Smoke Alarm Remote Controller	studio white	6800-0-2516	40 11395 13747 5	14	49
6826-84	Busch-Smoke Alarm ProfessionalLine	studio white	6800-0-2512	40 11395 13741 3	14	49
6827-84	Busch-Heat Alarm ProfessionalLine	studio white	6800-0-2513	40 11395 13744 4	14	49

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6828	Busch-Smoke Alarm Radio Module	6800-0-2514	40 11395 13745 1	14	49
6829-84	Busch-Smoke Alarm Relay	6800-0-2515	40 11395 13746 8	14	49
6885-183-500	Surface Mounting Base for Presence Detector	6899-0-0297	40 11395 06825 0	29	24, 29
6885-500	Surface Mounting Base for Presence Detector	6899-0-0282	40 11395 00468 5	29	24, 29
6887-204-500	Corner Adapter for Busch-Watchdog® Sensor	6899-0-0292	40 11395 06443 6	29	24
8136/20-500	Design Frame for Busch-ComfortTouch	8136-0-0004	40 11395 10168 1	34	31
8136/23-500	Design Frame for Busch-ComfortTouch	8136-0-0006	40 11395 10171 1	34	31
8136/30-500	Camera Module for Busch-ComfortTouch	8136-0-0012	40 11395 10177 3	34	31
8136/31-500	Camera Module for Busch-ComfortTouch	8136-0-0014	40 11395 10179 7	34	31
8136/40-500	Design Strip for Busch-ComfortTouch	8136-0-0016	40 11395 11182 6	34	31
8136/41-500	Design Strip for Busch-ComfortTouch	8136-0-0018	40 11395 11184 0	34	31
8136/UP-500	Flush Mounted Wall Box for Busch-ComfortTouch	8136-0-0020	40 11395 11921 1	34	31
8136-500	Busch-ComfortTouch	8136-0-0002	40 11395 10162 9	34	31
AA/S 4.1	Analogue Actuator, 4-fold, MDRC	2CDG 120 005 R0011	40 16779 65886 7	20	15
AAM/S 4.1	Analogue Actuator Module, 4-fold, MDRC	2CDG 120 006 R0011	40 16779 65887 4	20	15
ABL/S 2.1	Application Unit, Logic, MDRC	2CDG 110 073 R0011	40 16779 65264 3	26	30
ABZ/S 2.1	Application Unit, Time, MDRC	2CDG 110 072 R0011	40 16779 65236 0	26	30
ADB	Window Opening Plunger, 150 N	GHV9210018V0020	40 13232 53420 1	50	48
ADB/1	Window Opening Plunger, 35 N, Vds-Cl. C	GH V921 0018 V0021	40 13232 53440 4	50	48
AE/A 2.1	Analogue Input, 2-fold, SM	2CDG 110 086 R0011	40 16779 66401 1	26	11
AE/S 4.2	Analogue Input, 4-fold, MDRC	2CDG 110 030 R0011	40 16779 58763 1	26	11
AM/S 12.1	Battery Module, 12 V DC, MDRC	GHQ 631 0062 R0111	40 16779 51481 1	26	2
AMSE	Mounting Kit for raised door panel and frame	GH V925 0010 V0003	40 16779 49290 4	50	46
AMSP	Mounting Kit for flat door panel and frame	GH V925 0010 V0004	40 16779 49280 5	50	46
BDB/S 1.1	Data Loggin Unit, MDRC	2CDG 110 067 R0011	40 16779 65753 2	26	45
BE/M 4.12.1	Binary Input Module, 4-fold, Contact Scanning	2CDG 110 007 R0011	40 16779 58313 8	26	7
BE/M 4.230.1	Binary Input Module, 4-fold, 230 V	2CDG 110 005 R0011	40 16779 58311 4	26	7
BE/M 4.24.1	Binary Input Module, 4-fold, 12/24 V	2CDG 110 006 R0011	40 16779 58312 1	26	7
BE/S 4.20.2.1	Binary Input, 4-fold, Contact Scanning, MDRC	2CDG 110 090 R0011	40 16779 71078 7	26	11
BE/S 4.230.2.1	Binary Input, 4-fold, 10-230 V AC/DC, MDRC	2CDG 110 091 R0011	40 16779 71106 7	26	11
BE/S 8.20.2.1	Binary Input, 8-fold, Contact Scanning, MDRC	2CDG 110 092 R0011	40 16779 71076 3	26	11
BE/S 8.230.2.1	Binary Input, 8-fold, 10-230 V AC/DC, MDRC	2CDG 110 093 R0011	40 16779 71077 0	26	11
BUSKLEMME	Bus Connection Terminal, red/black	GH Q630 1901 R0001	40 12233 80230 2	20	4
CP-D 24/2.5	Power Supply, 24 V, 2.5 A, MDRC	2CDG 120 037 R0011	40 16779 69789 7	20	36
DG/S 1.1	DALI Gateway, 1-fold, MDRC	2CDG 110 026 R0011	40 16779 58583 5	26	22
DG/S 1.16.1	DALI Gateway, 1-fold, Group Control, MDRC	2CDG 110 103 R0011	40 16779 66950 4	26	22
DG/S 8.1	DALI Gateway, 8-fold, MDRC	2CDG 110 025 R0011	40 16779 58582 8	26	22
DGN/S 1.16.1	DALI-Gateway with Emergency Lighting Control, 1-fold, Group Control, MDRC	2CDG 110 142 R0011	40 16779 84556 4	26	22
DLR/S 8.16.1M	DALI Light Controller, 8-fold, MDRC	2CDG 110 101 R0011	40 16779 67656 4	26	22
DR/S 4.1	Choke, MDRC	2CDG 110 029 R0011	40 16779 58755 6	26	2
DSA/S 2.16.1	DALI Switch Actuator, 2fold, 16 AX C-load, MDRC	2CDG 110 009 R0011	40 16779 58584 2	26	22
DSM/S 1.1	Diagnosis and Protection Module, MDRC	2CDG 110 060 R0011	40 16779 65205 6	26	4
EIM/DB	Dual Ceiling Detector	2CDG 230 038 R0011	40 16779 87746 6	50	48
EIM/KB	Dualtech Motion Detector, VdS B	2CDG 230 028 R0011	40 16779 75717 1	50	48
EIM/KC	Dualtech Motion Detector, 15m, VdS C	2CDG 230 029 R0011	40 16779 75718 8	50	48
EIM/XB	BUS-Dual Motion Detector, VdS-Cl. B	2CDG 230 025 R0011	40 16779 67879 7	50	46
EIM/XC	BUS-Dual Motion Detector, VdS-Cl. C	2CDG 230 026 R0011	40 16779 67880 3	50	46
EMA/W	Vibration Detector	GH V922 0009 V0003	40 13232 57190 9	50	47
EP	Spare Paper for Emergency Call Button	GH Q713 2443 R0003	40 13232 04220 1	50	48
ER/U 1.1	Electronic Relay, 1-fold, FM	GH Q631 0044 R0111	40 16779 49725 1	26	26
ES/M 2.230.1	Electronic Switch Actuator Module, 2-fold, 115/230 V	2CDG 110 013 R0011	40 16779 58361 9	26	7
ES/M 2.24.1	Electronic Switch Actuator Module, 2-fold, 24 V	2CDG 110 014 R0011	40 16779 58362 6	26	7
ES/S 4.1.2.1	Electronic Switch Actuator, 4-fold, 1 A, MDRC	2CDG 110 058 R0011	40 16779 67206 1	26	26
ESPE	Electromechanical Bolt Lock	GH V925 0010 V0001	40 13232 70140 5	50	46
EUB/S 1.1	Monitoring Unit, MDRC	2CDG 110 066 R0011	40 16779 64991 9	26	45
EVS	Replacement Locking Bolt	GH V925 0010 V0002	40 16779 44170 4	50	46
FA/A 2.1	Antenna for Radio Time Switch, SM	GH Q605 0031 R0021	40 16779 51237 4	20	30
FC/S 1.1	Fan Coil Controller, MDRC	2CDG 120 001 R0011	40 16779 58383 1	20	26
FC600/BREL	Detector Base, 12 V	2CDG 430 051 R0011	40 16779 70840 1	52	49
FC650/O	Optical Smoke Detector	2CDG 430 079 R0011	40 16779 86479 4	52	49
FC650/TMAX	Thermal Smoke Detector	2CDG 430 081 R0011	40 16779 86477 0	52	49
FCA/S 1.1M	Fan Coil Actuator, MDRC	2CDG 110 084 R0011	41 16779 66508 7	26	26
FPAO3	Aerosol for Testing Smoke Detectors, 250 ml	GH V902 0012 V0021	40 16779 53444 4	52	49
FW/S 4.5	Radio Time Switch, 4-channel, MDRC	GH Q605 0060 R0001	40 16779 50093 7	20	30
GP2	Mechanical Glass Break Test Device	GH V922 0004 V0004	40 16779 66670 4	50	47
HS/S 3.1	Brightness Sensor, 3-channel, MDRC	GH Q605 0063 R0001	40 16779 50098 2	20	23
IPM/S 1.1	IP Patch Module, MDRC	2CDG 120 036 R0011	40 16779 69790 3	20	3
IPR/S 2.1	IP Router, MDRC	2CDG 110 061 R0011	40 16779 65229 2	26	3
IPS/S 2.1	IP Interface, MDRC	2CDG 110 098 R0011	40 16779 66484 4	26	3
IR/KB	Passive Infra-Red Detector	2CDG 230 027 R0011	40 16779 75716 4	50	48
IR/XB	BUS-Infra-Red Motion Detector, VdS-Cl. B	2CDG 230 023 R0011	40 16779 67877 3	50	46
IR/XC	BUS-Infra-Red Motion Detector, VdS-Cl. C	2CDG 230 024 R0011	40 16779 67878 0	50	46
ISM/S 5.1	IP Switch, Master, MDRC	2CDG 120 034 R0011	40 1677969792 7	20	3
ISS/S 5.1	IP Switch, Slave, MDRC	2CDG 120 035 R0011	40 16779 69791 0	20	3
JA/M 2.230.1	Shutter Actuator Module, 2-fold, 230 V AC	2CDG 110 003 R0011	40 16779 58315 2	26	7
JA/M 2.24.1	Shutter Actuator Module, 2-fold, 24 V DC	2CDG 110 004 R0011	40 16779 58316 9	26	7
JA/S 4.SMI.1M	SMI Shutter Actuator with Manual Operation, 4-fold, MDRC	2CDG 110 028 R0011	40 16779 65423 4	26	19
JRA/S 2.230.1.1	Blind / Roller Shutter Actuator, 2-fold, 230 V AC, MDRC	2CDG 110 129 R0011	40 16779 69848 1	26	19
JRA/S 2.230.2.1	Blind / Roller Shutter Actuator with Manual Operation, 2-fold, 230 V AC, MDRC	2CDG 110 120 R0011	40 16779 69849 8	26	19
69839 9	26	19			
JRA/S 2.230.5.1	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 2-fold, 230 V AC, MDRC	2CDG 110 124 R0011	40 16779 69843 6	26	19
JRA/S 4.230.1.1	Blind / Roller Shutter Actuator, 4-fold, 230 V AC, MDRC	2CDG 110 130 R0011	40 16779 69849 8	26	19
JRA/S 4.230.2.1	Blind / Roller Shutter Actuator with Manual Operation, 4-fold, 230 V AC, MDRC	2CDG 110 121 R0011	40 16779 69840 5	26	19
JRA/S 4.230.5.1	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 4-fold, 230 V AC, MDRC	2CDG 110 125 R0011	40 16779 69844 3	26	19

MDRC = Modular DIN-rail Component, SM = Surface Mounting, FM = Flush Mounting,
LF = Light Fitting, *PG = Price Group, **MW = Module Width 18 mm

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JRA/S 4.24.5.1	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 4-fold, 24 V DC, MDRC		2CDG 110 128 R0011	40 16779 69847 4	26	19
JRA/S 8.230.1.1	Blind / Roller Shutter Actuator, 8-fold, 230 V AC, MDRC		2CDG 110 131 R0011	40 16779 69850 4	26	19
JRA/S 8.230.2.1	Blind / Roller Shutter Actuator with Manual Operation, 8-fold, 230 V AC, MDRC		2CDG 110 122 R0011	40 16779 69841 2	26	19
JRA/S 8.230.5.1	Blind / Roller Shutter Actuator with Travel Detection and Manual Operation, 8-fold, 230 V AC, MDRC		2CDG 110 126 R0011	40 16779 69845 0	26	19
JSB/S 1.1	Shutter Control Unit, MDRC		GH Q631 0084 R0111	40 16779 57993 3	26	19
KLEMME	Connection Terminal, white/yellow		GH Q630 1902 R0001	40 16779 07930 3	20	4
KS/K 2.1	Cable Set, Extension		GH Q630 1910 R0011	40 16779 52893 1	20	2
KS/K 4.1	Cable Set, Basic		GH Q630 1910 R0001	40 16779 51725 6	20	2
L208/PT	LED Keypad	german	GH Q328 0201 R0001	40 16779 44500 9	50	45
L208/V.24	Serial Interface Module		GH Q328 0220 R0001	40 16779 44510 8	50	45
L240	Intrusion Alarm Panel	german	2CDG 230 004 R0011	40 13232 65736 5	50	45
L240/BS	Safekey Evaluation Module		GH Q305 0031 R0001	40 16779 58561 3	53	46
L240/ENG	Intrusion Alarm Panel	english	2CDG 230 017 R0011	40 16779 66852 1	50	45
L240/IP	IP Interface Module		2CDG 230 013 R0011	40 16779 66856 9	50	45
L240/MG2	Zone Bus-Module, 2-fold, FM		2CDG 220 003 R0011	40 13232 65737 2	50	46
L240/PT	LCD Keypad		2CDG 230 014 R0011	40 16779 66855 2	50	45
L840/MG4	Zone Bus-Module, 4-fold		GH Q328 0011 R0001	40 13232 73240 9	50	46
L840/PT	LCD Keypad	german	GH Q328 0001 R0001	40 13232 73200 3	50	45
LF/U 2.1	Light Sensor, FM		2CDG 110 089 R0011	40 16779 66416 5	26	7, 22
LFA/S 1.1	Blower / Fan Coil Actuator, 1-fold, MDRC		2CDG 110 077 R0011	40 16779 65546 0	26	26
LFA/S 2.1	Blower / Fan Coil Actuator, 2-fold, MDRC		2CDG 110 078 R0011	40 16779 65547 7	26	26
LGS/A 1.1	Air Quality Sensor, SM		2CDG 120 038 R0011	40 16779 83712 5	20	27
LK/S 4.1	Line Coupler, MDRC		2CDG 110 027 R0011	40 16779 58741 9	26	3
LKS	Loctite Adhesive		GH Q400 1906 R0001	40 13232 39280 1	50	47
LL/S 1.1	Optical Fibre Interface, MDRC		GH Q605 0053 R0001	40 16779 39210 5	20	3
LM/S 1.1	Logic Module, MDRC		GH Q631 0080 R0111	40 16779 58121 9	26	30
LR/M 1.6.2	Light Controller Module, 1-fold, 6 AX		2CDG 110 108 R0011	40 16779 68067 7	26	7
LR/S 2.16.1	Light Controller, 2-fold, 16 A, MDRC		2CDG 110 087 R0011	40 16779 66405 9	26	22
LR/S 4.16.1	Light Controller, 4-fold, 16 A, MDRC		2CDG 110 088 R0011	40 16779 66489 9	26	22
MRS/B	Magnet Reed Contact Set	brown	GH Q320 1972 R0002	40 16779 50659 5	50	47
MRS/W	Magnet Reed Contact Set	white	GH Q320 1972 R0001	40 16779 50660 1	50	47
MT 701.2, SR	Control and Display Tableau, LCD, silver		GH Q605 0059 R0006	40 16779 57582 9	20	32
MT 701.2, WS	Control and Display Tableau, LCD, white		GH Q605 0059 R0005	40 16779 57581 2	20	32
MT/S 4.12.2M	Security Terminal, 4-fold, MDRC		2CDG 110 109 R0011	40 16779 71187 6	26	47
MT/S 8.12.2M	Security Terminal, 8-fold, MDRC		2CDG 110 110 R0011	40 16779 71186 9	26	47
MT/U 2.12.2	Security Terminal, 2-fold, FM		2CDG 110 111 R0011	40 16779 71176 0	26	47
MW	Mounting Bracket for Infra-Red Detector		GH V923 0039 V0020	40 13232 66580 6	50	46, 48
ND/W	Emergency Call Button, white, SM		GH Q713 2443 R0011	40 13232 02540 2	50	48
NDA/W	Cover Plate		GH Q713 2443 R0004	40 13232 61690 7	50	48
NDU/W	Emergency Call Button, white, FM		GH Q713 2443 R0021	40 13232 02550 1	50	48
NT/S 12.1600	Power Supply Unit, 12 V DC, 1.6 A, MDRC		GH Q605 0056 R0002	40 16779 51467 5	20	2
NT/S 24.800	Power Supply Unit, 24 V DC, 0.8 A, MDRC		GH Q605 0057 R0002	40 16779 51468 2	20	2
NTI/Z 28.30.1	Commissioning Power Supply, 28 V DC, 30 mA		2CDG 110 096 R0011	40 16779 66316 8	26	2
NTU/S 12.2000.1	Uninterruptible Power Supply, 12 V DC, 2 A, MDRC		2CDG 110 070 R0011	40 16779 68117 9	26	2
PK/E 1.1	Memory Card for PS/E		GH Q600 1943 R0001	40 16779 50105 7	20	30
PS 1/4/6-KNX	Busbar, 1 Phase, 4 Contacts		2CDG 924 003 R0011	40 16779 66758 6	20	4
PS 1/60/6-KNX	Busbar, 1 Phase, 60 Contacts		2CDG 924 004 R0011	40 16779 66759 3	20	4
PS/E 1.1	Programming Set for Time Switches		GH Q600 1942 R0001	40 16779 50104 0	20	30
PS-END 1-S	End Cap for Bus Bar		2CDL 000 001 R0001	40 16779 66698 5	05	4
RC/A 4.2	Room Controller, Basis Device for 4 Modules, SM		2CDG 110 104 R0011	40 16779 67647 2	26	7
RC/A 8.2	Room Controller, Basis Device for 8 Modules, SM		2CDG 110 106 R0011	40 16779 68126 1	26	7
RL	Reed Relay, 12 V		GH V927 0013 V0101	40 13232 66560 8	50	49
RM/S 1.1	Room Master, Basic, MDRC		2CDG 110 094 R0011	40 16779 66556 8	26	8
RM/S 2.1	Room Master, Premium, MDRC		2CDG 110 095 R0011	40 16779 66567 4	26	8
RTK	Rolling Door Magnet Reed Contact Set		GH Q320 1973 R0021	40 13232 50655 7	50	47
SA/M 2.16.1	Switch Actuator Module, 2-fold, 16A, floating contact		2CDG 110 100 R0011	40 16779 68158 2	26	7
SA/M 2.6.1	Switch Actuator Module, 2-fold, 6A		2CDG 110 002 R0011	40 16779 58314 5	26	7
SA/S 12.10.1	Switch Actuator, 12-fold, 10 AX, MDRC		2CDG 110 042 R0011	40 16779 64419 8	26	15
SA/S 12.16.1	Switch Actuator, 12-fold, 16 A, MDRC		2CDG 110 082 R0011	40 16779 65928 4	26	15
SA/S 12.16.6.1	Switch Actuator with Current Detection, 12-fold, 16/20 AX, C-Load, MDRC		2CDG 110 138 R0011	40 16779 76516 9	26	15
SA/S 12.6.1	Switch Actuator, 12-fold, 6 A, MDRC		2CDG 110 038 R0011	40 16779 64423 5	26	15
SA/S 2.10.1	Switch Actuator, 2-fold, 10 AX, MDRC		2CDG 110 039 R0011	40 16779 64422 8	26	15
SA/S 2.16.1	Switch Actuator, 2-fold, 16 A, MDRC		2CDG 110 062 R0011	40 16779 64877 6	26	15
SA/S 2.16.5.1	Switch Actuator, 2-fold, 16/20 AX, C-Load, MDRC		2CDG 110 132 R0011	40 16779 70827 2	26	15
SA/S 2.16.6.1	Switch Actuator with Current Detection, 2-fold, 16/20 AX, C-Load, MDRC		2CDG 110 112 R0011	40 16779 70830 2	26	15
SA/S 4.10.1	Switch Actuator, 4-fold, 10 AX, MDRC		2CDG 110 040 R0011	40 16779 64421 1	26	15
SA/S 4.16.1	Switch Actuator, 4-fold, 16 A, MDRC		2CDG 110 063 R0011	40 16779 64876 9	26	15
SA/S 4.16.5.1	Switch Actuator, 4-fold, 16/20 AX, C-Load, MDRC		2CDG 110 133 R0011	40 16779 70828 9	26	15
SA/S 4.16.6.1	Switch Actuator with Current Detection, 4-fold, 16/20 AX, C-Load, MDRC		2CDG 110 113 R0011	40 16779 70831 9	26	15
SA/S 4.6.1	Switch Actuator, 4-fold, 6 A, MDRC		2CDG 110 036 R0011	40 16779 64384 9	26	15
SA/S 8.10.1	Switch Actuator, 8-fold, 10 AX, MDRC		2CDG 110 041 R0011	40 16779 64420 4	26	15
SA/S 8.16.1	Switch Actuator, 8-fold, 16 A, MDRC		2CDG 110 064 R0011	40 16779 64875 2	26	15
SA/S 8.16.5.1	Switch Actuator, 8-fold, 16/20 AX, C-Load, MDRC		2CDG 110 134 R0011	40 16779 70829 6	26	15
SA/S 8.16.6.1	Switch Actuator with Current Detection, 8-fold, 16/20 AX, C-Load, MDRC		2CDG 110 114 R0011	40 16779 70832 6	26	15
SA/S 8.6.1	Switch Actuator, 8-fold, 6 A, MDRC		2CDG 110 037 R0011	40 16779 64424 2	26	15
SA/S12.16.5.1	Switch Actuator, 12-fold, 16/20 AX, C-Load, MDRC		2CDG 110 137 R0011	40 16779 71107 4	26	15
SAD/ED	Wall Box for SAD/GUP		GH Q328 0014 R0001	40 13232 73270 6	50	46
SAD/GAP	Distribution Enclosure, SM		GH Q328 0015 R0001	40 13232 73280 5	50	46
SAD/GUP	Distribution Enclosure, FM		GH Q328 0013 R0001	40 13232 73260 7	50	46
SAK12	Sealed Lead Acid Battery, 12 V DC, 12 Ah		GH V924 0001 V0012	40 13232 74494 5	50	2
SAK17	Sealed Lead Acid Battery, 12 V DC, 17 Ah		GH V924 0001 V0013	40 13232 74495 2	50	2
SAK7	Sealed Lead Acid Battery, 12 VDC, 7 Ah		GH V924 0001 V0011	40 13232 74493 8	50	2, 45
SCM/S 1.1	Security Module, MDRC		2CDG 110 024 R0011	40 16779 58391 6	26	47
SCS	Safekey Chipkey		GH Q305 0027 R0001	40 16779 58575 0	53	46

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Type	Description		Order code	EAN	PG	Page
SD/M 2.6.2	Switch/Dim Actuator Module, 2-fold, 6 AX		2CDG 110 107 R0011	40 16779 68066 0	26	7
SD/S 2.16.1	Switch/Dim Actuator, 2-fold, 16 A, MDRC		2CDG 110 079 R0011	40 16779 65996 3	26	22
SD/S 4.16.1	Switch/Dim Actuator, 4-fold, 16 A, MDRC		2CDG 110 080 R0011	40 16779 65937 6	26	22
SD/S 8.16.1	Switch/Dim Actuator, 8-fold, 16 A, MDRC		2CDG 110 081 R0011	40 16779 65918 5	26	22
SE/S 3.16.1	Energy Actuator, 3-fold, 16/20 AX, MDRC		2CDG 110 136 R0011	40 16779 70977 4	26	15, 42
SGL	Gas Detector		GH Q305 0008 R0001	40 13232 53313 3	50	48
SJR/S4.24.2.1	SMI Blind/Roller Shutter Actuator, 4-fold, LoVo, MDRC		2CDG 110 143 R0011	40 16779 86446 6	26	19
SMB/S 1.1	Fault Monitoring Unit, MDRC		GH Q631 0085 R0111	40 16779 58092 2	26	45
SPGS/B	Glass Break Sensor	brown	GH V922 0004 V0010	40 13232 61430 9	50	47
SPGS/W	Glass Break Sensor	white	GH V922 0004 V0009	40 13232 61420 0	50	47
SSF/G	Siren in Enclosure		GH Q305 0017 R0001	40 16779 53466 6	50	49
SSF/GB	Combination Signalling Device		GH Q305 0018 R0001	40 16779 53447 3	50	49
SSM/A	SafeKey Switching Module, SM		2CDG 240 019 R0011	40 16779 83746 0	53	46
SSM/U	SafeKey Switching Module, FM		2CDG 240 020 R0011	40 16779 83747 7	53	46
SSS	Electronic Solid-State Siren		GH V927 0001 V0001	40 13232 02320 0	50	49
ST/K 1.1	Electromotor Valve Drive		2CDG 120 004 R0011	40 16779 63022 1	20	27
SU/S 30.640.1	Uninterruptible Power Supply, 640 mA, MDRC		GHQ 631 0049 R0111	40 16779 51477 4	26	2
SV/S 30.160.5	Power Supply, 160 mA, MDRC		2CDG 110 085 R0011	40 16779 66206 2	26	2
SV/S 30.320.5	Power Supply, 320 mA, MDRC		GH Q631 0038 R0111	40 16779 49090 0	26	2
SV/S 30.640.5	Power Supply, 640 mA, MDRC		GH Q631 0048 R0111	40 16779 51474 3	26	2
SW/S 2.5	Time Switch, 2-channel, MDRC		GH Q605 0062 R0001	40 16779 50067 5	20	30
SW/S 4.5	Time Switch, 4-channel, MDRC		GH Q605 0061 R0001	40 16779 50096 8	20	30
SWM4	Water Detector		GH Q403 0001 R0004	40 13232 05740 3	50	48
SWM4/RN	Water Detector with Relay Output		GH Q403 0001 R0012	40 13232 05750 2	50	48
TG/S 3.2	Telephone Gateway, analogue, MDRC		2CDG 110 135 R0011	40 16779 70851 7	26	32
TG/Z 1.1	Accessory Set for Telephone Gateway		2CDG 110 119 R0011	40 16779 69788 0	26	32
T-RAHM, SR	Cover Frame for Control and Display Tableau, silver		GH Q605 0059 R0012	40 16779 49586 8	20	32
T-RAHM, WS	Cover Frame for Control and Display Tableau, white		GH Q605 0059 R0011	40 16779 49585 1	20	32
TS/K 1.1	Temperature Sensor for Fan Coil Controller		2CDG 120 002 R0011	40 16779 58381 7	20	26
TSA/K 230.1	Thermoelectric Valve Drive, 230 V		2CDG 120 007 R0011	40 16779 65299 5	20	27
TSA/K 24.1	Thermoelectric Valve Drive, 24 V		2CDG 120 008 R0011	40 16779 65300 8	20	27
UD/M 1.300.1	Universal Dim Actuator Module, 1-fold, 300 VA		2CDG 110 012 R0011	40 11395 04281 6	26	7
UD/S 2.300.2	Universal Dim Actuator, 2-fold, 300 VA, MDRC		2CDG 110 074 R0011	40 16779 66306 9	26	23
UK/S 32.2	Universal I/O Concentrator, 32-fold, MDRC		2CDG 110 071 R0011	40 16779 65577 4	26	31
UP-KAST 2	Wall box for Control and Display Tableau		GH Q605 0059 R0014	40 16779 51396 8	20	32
US/E 1	Surge Arrester		GH Q631 0009 R0001	40 16779 00570 8	20	4
US/U 12.2	Universal Interface, 12-fold, FM		2CDG 110 065 R0011	40 16779 65012 0	26	11, 31, 35
US/U 2.2	Universal Interface, 2-fold, FM		GH Q631 0074 R0111	40 16779 56483 0	26	11, 26, 35
US/U 4.2	Universal Interface, 4-fold, FM		GH Q631 0070 R0111	40 16779 56481 6	26	11, 26, 35
USB/S 1.1	USB Interface, MDRC		2CDG 110 008 R0011	40 16779 58921 5	26	3
VA/Z 10.1	Valve Adapter, for valves of Dumser, Chronatherm, Vescal, KaMo		2CDG 120 009 R0011	40 16779 65319 0	20	27
VA/Z 50.1	Valve Adapter, for valves of Honeywell, Reich, Cazzaniga, Landis & Gyr. and MNG		2CDG 120 010 R0011	40 16779 65320 6	20	27
VA/Z 78.1	Valve Adapter, Flange for Danfoss RA		2CDG 120 011 R0011	40 16779 65321 3	20	27
VA/Z 80.1	Valve Adapter, for valves of Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop		2CDG 120 012 R0011	40 16779 65322 0	20	27
VAA/A 6.24.1	Valve Drive Actuator, 6-fold, 24 V, SM		2CDG 120 032 R0011	40 16779 67064 7	20	26
VAA/S 12.230.2.1	Valve Drive Actuator, 12-fold, 230V, MDRC		2CDG 110 117 R0011	40 16779 82987 8	26	26
VAA/S 6.230.2.1	Valve Drive Actuator, 6-fold, 230V, MDRC		2CDG 110 116 R0011	40 16779 82986 1	26	26
VB/K 100.1	Wiring Jumper, horizontal, 100 mm		GH Q630 1908 R0003	40 16779 50103 3	20	4
VB/K 200.1	Wiring Jumper, horizontal, 200 mm		GH Q630 1908 R0001	40 16779 46980 7	20	4
VB/K 270.1	Wiring Jumper, vertical, 270 mm		GH Q630 1908 R0002	40 16779 46990 6	20	4
VB/K 360.1	Wiring Jumper, vertical, 360 mm		GH Q630 1908 R0004	40 16779 84676 9	20	4
VMRS/B	Magnet Reed Contact Saver Set	brown	GH Q320 1972 R0012	40 16779 50657 1	50	47
VMRS/W	Magnet Reed Contact Saver Set	white	GH Q320 1972 R0011	40 16779 50658 8	50	47
VSUE	Window Lock Monitoring Contact		GH V921 0018 V0022	40 13232 70120 7	50	48
WEL/A,ES	SafeKey Wall Reader, SM	stainless steel	GH Q305 0023 R0001	40 16779 58570 5	53	46
WELT/A,ES	SafeKey Wall Reader with Keypad, SM	stainless steel	GH Q305 0024 R0001	40 16779 58571 2	53	46
WELT/A,MC	SafeKey Wall Reader with Keypad, SM	chrome matt	GH Q305 0024 R0011	40 16779 65789 1	53	46
WES/A 2.1	Weather Sensor, SM		2CDG 120 033 R0011	40 16779 69736 1	20	11
WRK/W	Lock Bolt Switching Contact		2CDG 250 003 R0011	40 16779 66404 2	50	47
WS/S 4.1	Weather Station, 4-fold, MDRC		2CDG 110 032 R0011	40 16779 58771 6	26	11
WZ/S 1.1	Weather Unit, MDRC		2CDG 110 034 R0011	40 16779 58612 2	26	11
XS/S 1.1	Interface for Intrusion Alarm Panel, MDRC		2CDG 110 075 R0011	40 16779 66704 3	26	45
ZS/S 1.1	Meter Interface Module, MDRC		2CDG 110 083 R0011	40 16779 66207 9	26	42

Contact

Further Information and Local Contacts:

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