

Intelligent Installation Systems







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Product data, technical data, manuals, specification text and software for ABB i-bus® EIB devices are available free of charge on CD-ROM or on the Internet under: www.abb.de/stotz-kontakt and www.busch-jaeger.de

Modern Building Installation with ABB i-bus® EIB

Intelligent installation systems

ABB i-bus® EIB is the intelligent building installation system that meets the highest standards, being both future-orientated and highly flexible.



ABB i-bus® EIB provides increased security, economic efficiency, convenience and flexibility, whether in office buildings, industrial plants or residential properties.

Functions such as lighting, shutter control and heating can be individually adapted to the requirements of the user. Later changes can be easily implemented.

Switching and control – wherever you are

With ABB i-bus® EIB, you can carry out all the required functions from any location in the building. It is also possible to operate the installation remotely, for example via a mobile or the Internet.

If several functions are to be executed using a single command, this can be implemented without problem. With central commands and user-defined procedures, all the shutters can, for example, be raised simultaneously, the constant lighting control activated and each room regulated to a separate temperature; all with a single push button action.

Security around the building

With ABB i-bus® EIB, professional security functions can be integrated into the building installation. A security control panel manages all security-related signals and triggers alarms.

The security control panel can also be conveniently operated via the ABB i-bus® EIB. Signals can be displayed at any location or printed out via a logging printer.

Automation required?

In building installations using ABB i-bus® EIB, functions are not only executed via direct manual operation.

Using “closed-loop” control systems, the user can preselect an individual daily profile for the room temperature or the room lighting level can be constantly regulated to a required value.

Time programs are recommended for regularly recurring events. Shutters and blinds can be raised automatically should the wind become too strong.



ABB i-bus® EIB monitors the building and can isolate, for example, electrical circuits in the event of a fire or monitor the energy consumption.

Changes implemented in a flash

The office has become a conference room?
The top floor has been turned into a separate flat? The functions of the building installation need to be modified?

Modifications such as these can easily be implemented with ABB i-bus® EIB. You simply need to reprogram and the functions are already adapted to the new conditions.



You are kept informed...

ABB i-bus® EIB makes it possible for current information about the building installation to be displayed continually.

You can see at a glance in which rooms the lights are switched on or which doors and windows are open. Measured values can be shown on a display and alarm signals inform you about possible dangers in your building.

If someone has forgotten to switch the light off, you can simply switch it off from the display terminal, without even having to walk up the stairs.

From a distance

You can monitor your building via the telephone or the Internet. This is the best way to remain constantly informed....



How does ABB i-bus® EIB work?

EIB – one system has won through

ABB i-bus® EIB corresponds to the European system “**E**uropean **I**nstallation **B**us” (EIB for short) which in the meantime is being used all over the world.

Since the EIBA (European Installation Bus Association) merged with two other European organisations to form the **Konnex Association**, **KNX** has become the new standard in building technology. ABB i-bus® EIB corresponds to both the **EIB** standard and the **KNX** standard.

What does that mean in practice?

Electrical installations with ABB i-bus® EIB offer the user numerous advantages:

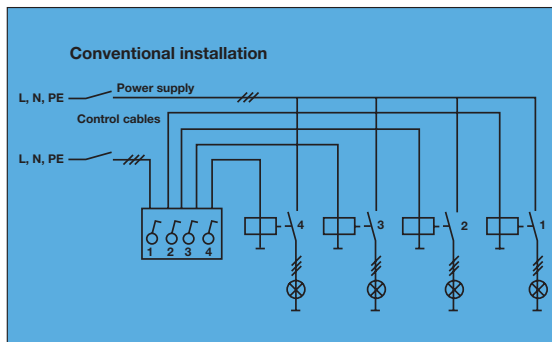


Diagram 1: Conventional electrical installation

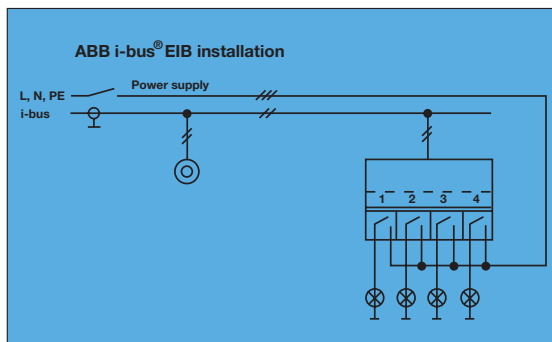


Diagram 2: Electrical installation with ABB i-bus® EIB

Basic principle

With ABB i-bus® EIB, electrical loads are not switched directly in the circuit with switches and push buttons as in conventional electrical installations (see Diagram 1).

Commands are sent instead from sensors (e.g. electronic push buttons) on a twin-core data cable and are received by actuators. The actuators then execute these commands, for example by switching the circuit (see Diagram 2).

- Electrical loads can be switched independently of the electrical circuit (e.g. the light in the hallway can be operated from the lounge or from elsewhere in the house).
- Electrical loads can be switched by several sensors without complicated two-way circuits or remote-control switches.
- Functional associations between actuators and sensors can be modified at any time and adapted to individual requirements.
- All the functions can be programmed so that they run automatically. Logic operations can also be created (e.g. if the brightness level drops below a specific value after 18:00, all the shutters are lowered and the light in the hallway is switched on).
- The switching states of electrical loads can be displayed.

Sensors and actuators

Sensors are, e.g.

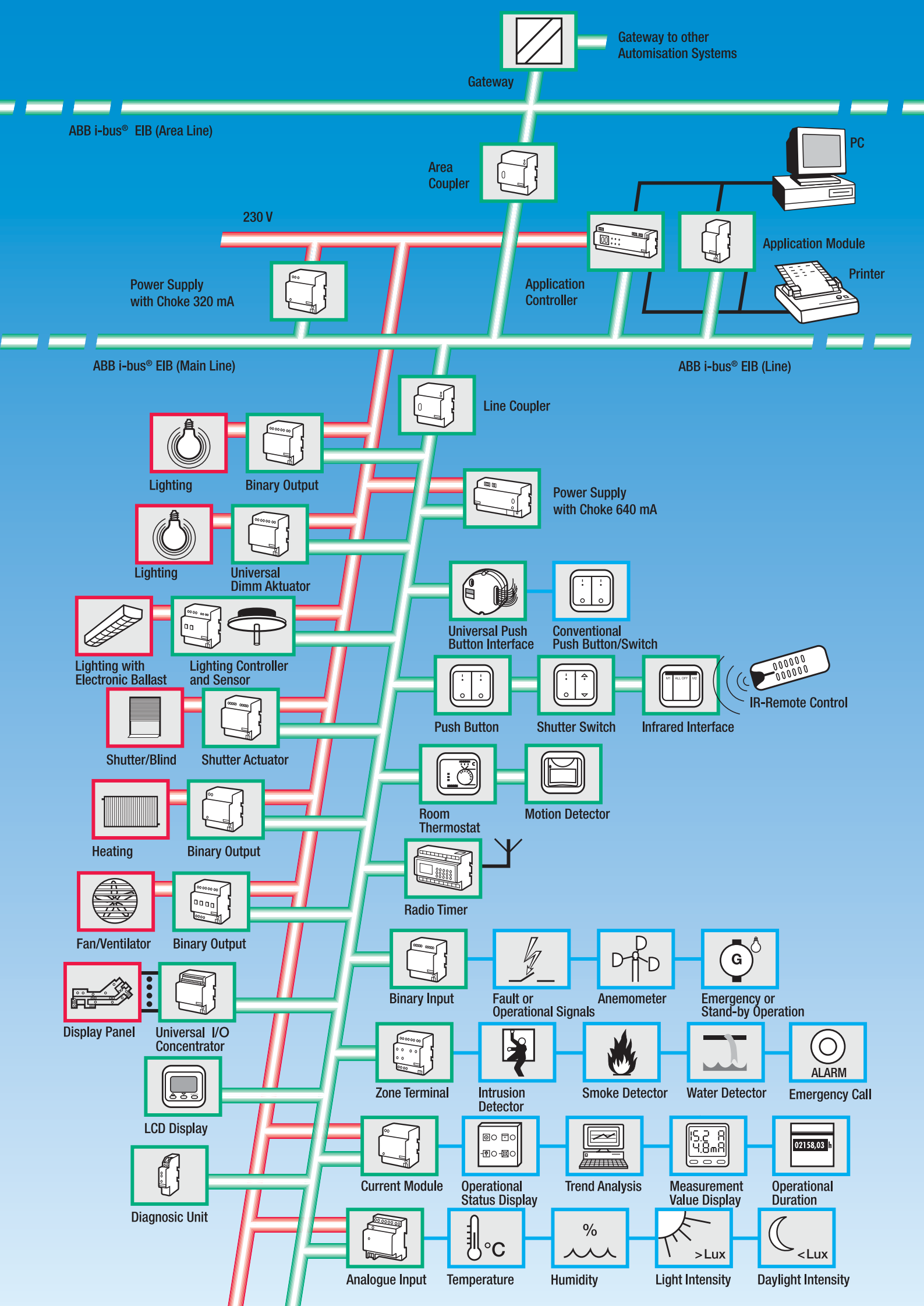
- push buttons and switches
- room thermostats
- movement sensors
- time switches
- binary inputs
- zone terminals
- current modules
- analogue inputs

(see Diagram 3).

Actuators are, e.g.

- binary outputs
- dimmers
- light controllers
- shutter actuators
- universal concentrators
- display units

(see Diagram 3)



Print Media Academy Heidelberg

– Glass and EIB



The Print Media Academy of the Heidelberg Druckmaschinen AG radiates pure charm. Two silver cylinders – visible at a distance through the 50 m high glass cube – dominate the atrium which extends over all twelve floors. The cylinder towers represent a link to the printing trade on the one hand and on the other hand provide space for seminars and meetings.

Apart from lighting control throughout the building, EIB carries out the task of controlling the ingenious air conditioning system, the heating and the blinds. The installation is completed by a sophisticated visualisation display.

The air conditioning units that are installed in each office work together with the heating and ventilation flaps in the façade to achieve the right climatic conditions.



Stadtvilla Berlin

Extension using the latest technology

The Stadtvilla in Berlin is an interesting extension to an existing house. The highest level of technology has been implemented in a living space covering approx. 200 m². EIB controls both the lighting, including lightscenes, and the heating in the individual rooms. The air conditioning system and the blinds are also operated via the bus. The bus also ensures complete security. The main gas valve for the oven for example is operated via the EIB. The intruder alarm control provides optimum protection from unwelcome visitors.



INMC Telekom Frankfurt

The right lighting thanks to EIB



Telekom built their central building for the “International Network Management of Communications”, INMC for short, next to the Frankfurt television tower.

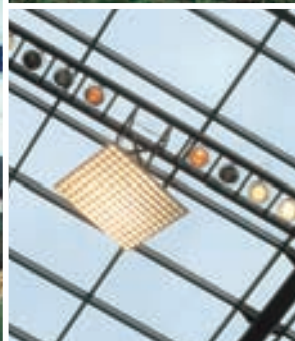
The monitoring, control and management of international telecommunication links such as the submarine cable to America is carried out from here. All the current events and switching operations can be displayed on a large media screen.

An EIB installation was used for the electrical building technology.

Apart from full control of the blinds, a constant light control system is implemented in the offices.

The lighting in the corridors and common areas is switched via motion detectors.

The lighting in the foyer and control centre is controlled using lightscenes or by dimming the fluorescent lamps.



Gästehaus Petersberg

Two bus systems combined



The 5-star guesthouse consists of five building sections and extends over eight levels with a usable floor space of 10.000 m². This comprises two restaurants, a conference centre, a sauna and swimming pool area, two luxury suites, ten suites as well as 40 double rooms and 47 single rooms.



Apart from lighting and shutter control, the bus system also had to work together with the Inscontrol Areadat building management system from ABB. The interface card ZB 12 EIB was inserted in the substation in order to couple both systems.

The entire installation is also displayed on a computer in the facilities management office. Functions can also be operated from there.





SK 0040 B 02

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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EIB-Power Supply, 320 mA, MDRC

Power supply with integrated choke for production and monitoring of the ABB i-bus® EIB system voltage. The power supply is connected to the bus line via a bus connecting terminal.

SV/S 30.320.5	GH Q631 0038 R0111	49090 0	4
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SK 0054 B 94

EIB-Power Supply, 640 mA, MDRC

Power supply with integrated choke for production and monitoring of the ABB i-bus® EIB system voltage. Has an additional 29 V DC output to supply a further line. Rear side bus connection.

SV/S 30.640	GH Q631 0001 R0001	98350 6 ^①	7
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SK 0036 B 02

EIB Power Supply, 640 mA, MDRC

Power supply with integrated choke for production and monitoring of the ABB i-bus® EIB system voltage. Additional 30 V DC output to supply a second line in connection with a separate choke. The power supply is connected to the bus line via a bus connecting terminal.

SV/S 30.640.5	GH Q631 0048 R0111	51474 3	6
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SK 0037 B 02

Uninterruptible EIB Power Supply, 640 mA, MDRC

Power supply with integrated choke for production and monitoring of the ABB i-bus® EIB system voltage. The power supply is connected to the bus line via a bus connecting terminal. In order to supply the EIB bus voltage in case of a mains failure, a 12 V DC sealed lead acid battery can be connected to the unit. Via a potential free change-over contact, EIB power supply fault conditions can be transmitted for further information.

SU/S 30.640.1	GH Q631 0049 R0111	51477 4	8
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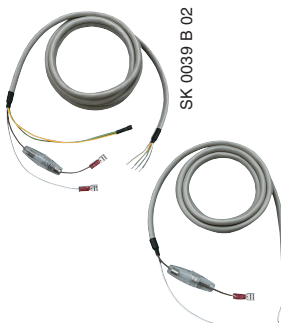


SK 0038 B 02

Battery Module, 12 VDC, MDRC

Sealed lead acid battery module for maintaining the ABB i-bus® EIB system voltage (for up to a minimum of 10 minutes) in case of a mains failure in connection with the Uninterruptible EIB Power Supply SU/S 30.640.1. Connection is made via standard cables.

AM/S 12.1	GH Q631 0062 R0111	514841 1	8
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SK 0039 B 02

SK 0042 B 02

Cable Sets

For connection of sealed lead acid batteries SAK7, SAK12 and SAK17 to the uninterruptible EIB power supply SU/S 30.640.1. In case 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 allowed to connect more than two batteries.

KS/K 4.1	Basic	GH Q630 1910 R0001	51725 6	—
KS/K 2.1	Extension	GH Q630 1910 R0011	52893 1	—

^① bbn-No. 40 12233



SK 0252 B 02



SK 0056 B94



SK 0033 B00



SK 0163 B00

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Sealed Lead Acid Batteries

Sealed lead acid batteries for maintaining the ABB i-bus® EIB system voltage in case of a mains failure in connection with the uninterruptible EIB power supply SU/S 30.640.1. Up to two batteries can be connected in parallel (same type to be used!). For connection to the SU/S 30.640.1 the cable sets KS/K 4.1 and KS/K 2.1 are to be used.

NEW

SAK7	GH V924 0001 V0011	74493 8 ②	—
SAK12	GH V924 0001 V0012	74494 5 ②	—
SAK17	GH V924 0001 V0013	74495 2 ②	—

Choke, MDRC

For decoupling the bus line from the power supply. The device has a reset switch for isolating the bus voltage and resetting the bus devices connected to this line. Rear side bus connection.

DR/S 2.2	GH Q605 0012 R0001	80170 1 ①	2
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Uninterruptible Power Supply, 320 mA, MDRC

Provides the ABB i-bus® EIB with an uninterruptible power supply in the event of a mains failure. The device is connected to the 29 V DC output of the power supply SV/S 30.640.

US/V 10.320.2	GH Q631 0016 R0002	50231 3	4
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Power Supply Units, MDRC

Two power supply units that can be used universally as the auxiliary power supply in EIB 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. The devices are connected via screw terminals.

NEW

NT/S 12.1600	12 V DC, 1.6 A	GH Q605 0056 R0002	51467 5	4
NT/S 24.800	24 V DC, 0.8 A	GH Q605 0057 R0002	51468 2	4

① bbn-No. 40 12233

② bbn-No. 40 13232



SK 0053 B92

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Bus Coupler, FM

For connecting operating elements such as a push buttons (1-, 2-, 4-fold), dimmer/shutter switches, motion sensors, room thermostats, RS 232 interfaces, infrared interfaces and Busch-triton® to the ABB i-bus® EIB.
Replaces former types 6120 U-500 and 6121 U-500.



6120 U-101-500		6120-0-0063	03097 4 ③	—
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SK 0032 B97

Line Coupler, MDRC

The device can be used both as a line coupler and backbone coupler and electrically isolates the lines and areas. As a data flow filter, only data telegrams that are intended for bus devices in other lines and areas are transmitted in order to reduce telegram traffic on the bus. Rear side bus connection.

LK/S 2.1		GH Q605 0019 R0001	80460 3 ①	4
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SK 0009 B00

Interface RS 232, 2-fold, MDRC

For interfacing a PC or an RS 232 printer to the ABB i-bus® EIB. The device can be used both, for assigning parameters to an EIB installation and for logging events, e.g. fault signals, on a printer.



EA/S 232.5		GH Q631 0043 R0111	50405 8	2
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SK 0211 B93

Interfaces RS 232, FM

Flush-mounted interface RS-232 for ABB i-bus® EIB bus coupler 6120 U-101-500. For coupling a PC to ABB i-bus® EIB. With changeover switch for laptop operation.

6133-20	platinum	6133-0-0011	52490 9 ③	—
6133-21	bronze	6133-0-0029	52520 3 ③	—
6133-24-500	studio white, matt	6133-0-0052	60150 1 ③	—
6133-24G	studio white, high gloss	6133-0-0102	75040 7 ③	—
6133-28	hansa blue	6133-0-0128	75060 5 ③	—
6133-22G	ivory	6133-0-0138	01834 7 ③	—
6133-233	bernstein	6133-0-0139	01661 9 ③	—
6133-255	obsidian	6133-0-0140	01663 3 ③	—
6133-260	palladium	6133-0-0141	01665 7 ③	—
6133-266	titan	6133-0-0142	01667 1 ③	—



SK 0108 B99

Optical Fibre Interface, MDRC

The device is used to couple two sections of an ABB i-bus® EIB line using an optical fibre link in order to 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	39210 5	4
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① bbn-No. 40 12233

③ bbn-No. 40 11395



SK 0027 B96

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Diagnosis Unit, 2-pole, MDRC

For rapid checking of the most important bus functions in the distribution board. Display of bus voltage and telegram traffic as well as disruption of the power supply. Integrated connector function. Connection via spring terminals and/or data rail.

DB/S 1.1		GH Q631 0013 R0111	25370 3	1
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SK 0062 B94

Connector, 2-pole, MDRC

For connecting data rails within a distribution board and for connecting external bus cables to the data rail. Rear side bus connection.

VB/S 2.2.2		GH Q605 0017 R0002	50642 7	1
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SK 0062 B94

Connector, 4-pole, MDRC

Allows a 4-pole connection to data rails within a distribution board or for connecting external bus cables to the data rail. The bus supply and power supply are connected via bus connecting terminals (red/black) and connecting terminals (white/yellow). Rear side bus connection.

VB/S 4.4		GH Q605 0024 R0001	07950 1	1
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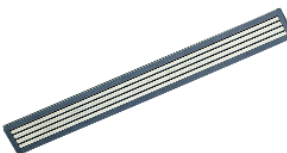


SK 0002 B99

Wiring Jumpers

For the interconnection of devices with a bus connection terminal on the front of the device. Prefabricated jumpers for connecting the devices horizontally or vertically.

VB/K 100.1	horz., 100 mm	GH Q630 1908 R0003	50103 3	—
VB/K 200.1	horz., 200 mm	GH Q630 1908 R0001	46980 7	—
VB/K 270.1	vert., 270 mm	GH Q630 1908 R0002	46990 6	—



SK 0050 B93

Data Rails

Interconnects ABB i-bus® EIB devices having a rear side connection terminal that are mounted on DIN EN 5022 DIN-rails. The data rail is fixed into the DIN-rail, using the adhesive stripe on the rear. Lengths: 214, 243 and 277 mm for 35 x 7.5 mm mounting rail.

DS/E 214	214 mm	GH Q600 1926 R0001	80190 9 ①	12
DS/E 243	243 mm	GH Q600 1926 R0002	80200 5 ①	13,5
DS/E 277	277 mm	GH Q600 1926 R0003	80210 4 ①	16



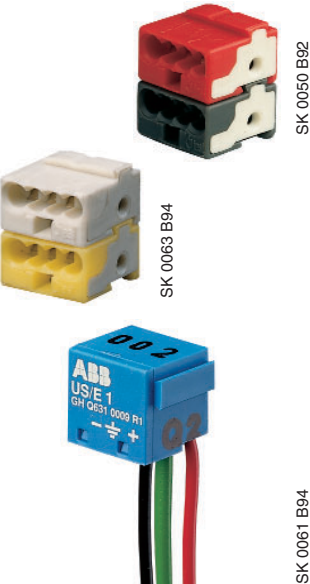
SK 0051 B93

Cover Strip

Covers unused sections of data rail in the distribution board and protects them against external voltage to ensure the safety extra-low voltage (SELV) requirements are met. Divisible in 1/2 module increments.

ABDECK		GH Q600 1927 R0001	80220 3 ①	13,5
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① bbn-No. 40 12233



Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Bus Connection Terminals

For connecting bus devices to the ABB i-bus® EIB as well as for looping through or branching the bus cable. Available in black/red for use as EIB bus connecting terminal and in white/yellow for use as a connecting terminal, for auxiliary voltages and signals.

BUSKLEMME	red/black	GH Q630 1901 R0001	80230 2 ①	—
KLEMME	white/yellow	GH Q630 1902 R0001	07930 3	—

Surge Arrester

Protects EIB components against overvoltage.

US/E 1		GH Q631 0009 R0001	00570 8	—
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① bbn-No. 40 12233

Selection Table: Binary Inputs

	ET/S 4.230	ET/S 6.x.x	6156EB-500	6158EB-500	US/U 4.1	TS/U 4.2
Inputs	4	6	4	4	4	4
Type of installation	MDRC	MDRC	LF	LF	FM	FM
Width (modules)	2	4	–	–	–	–
Switch function						
Reaction to pulse edges	■	■	■	■	■	■
Reaction to adjustable signal lengths	■		■	■	■	■
Send switching value cyclically	■	■	■	■	■	■
Dimming function						
Start/stop dimming	■	■	■	■	■	■
Step-by-step dimming	■	■	■	■	■	■
Send absolute dimming value (8 bit)	■	■	■	■		
One-touch dimming					■	
Special function						
Selectable debounce time	■	■	■	■	■	■
Limit number of telegrams	■	■	■	■	■	■

Important:

One or several application programs are available for each product.

Various functions can be implemented with each application program. The tables shown here are intended as an introduction for simpler planning. It should be noted that in some cases, not all the functions in an application program are available at the same time.

■ – Function is supported

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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SK 0045 B94

Binary Input, 4-fold, 230 V, MDRC

For coupling 230 V AC signals to the ABB i-bus® EIB. Has 4 independent inputs. Rear side bus connection.

ET/S 4.230		GH Q605 0010 R0001	80250 0 ^①	2
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SK 0036 B97

Binary Inputs, 6-fold, MDRC

For the detection of 230 V AC or 24 V AC/DC signals or the interrogation of floating contacts using an internally generated scanning voltage. The input state is displayed via 6 LEDs.

ET/S 6.230.1	230 V AC	GH Q631 0024 R0111	31120 5	4
ET/S 6.24.1	24 V AC/DC	GH Q631 0025 R0111	31130 4	4
ET/S 6.24.5	Contact Scanning	GH Q631 0035 R0111	48650 7	4

^① bbn-No. 40 12233

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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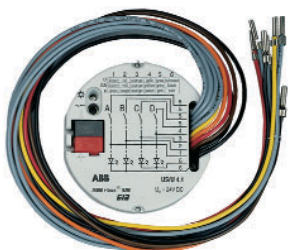
Binary Inputs, 4-fold, LF

For the detection of 230 V AC or 24 V AC/DC signals. The device 6158 EB-500 can also be used for the interrogation of floating contacts using the integrated 24 V supply when the device is connected to 230 V AC.



SK 0078 B95

6156 EB-500	230 V AC	6156-0-0020	66050 8 ^③	—
6158 EB-500	24 V AC/DC	6158-0-0026	66060 7 ^③	—



SK 0060 B98

Universal Interface, 4-fold, FM

The universal interface has 4 channels which can be parameterised as inputs or outputs depending on the application selected. Conventional push buttons, auxiliary contacts, light-emitting diodes and the electronic relay ER/U 1.1 can be used together with this device. The connecting cables can be extended up to 10 m in length. The contact interrogation voltage and the supply voltage for the LEDs are made available by the device. The series resistors for the LEDs are built in.

US/U 4.1	GH Q631 0031 R0111	39980 7	—
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SK 0025 B95

Push Button Interface, 4-fold, FM

For the connection of up to 4 conventional push buttons/switches to the ABB i-bus® EIB. The device provides 24 V DC for contact interrogation.

TS/U 4.2	GH Q605 0025 R0002	50641 0	—
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SK 0032 B98

Analogue Input, 4-fold, MDRC

The 4-fold analogue input is used to detect and process analogue variables. The four measurement channels can be configured for various current or voltage signals e.g. 0...20 mA, 0...1 V, 0...10 V, etc. The device requires a 230 V AC power supply. A 24 V DC auxiliary voltage for the supply of external sensors is generated by the device.

AE/S 4.1	GH Q605 0054 R0001	40410 5	4
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SK 0074 B95

Analogue Input, 4-fold, LF

The 4-fold analogue input is used to detect and process analogue variables. The four measurement channels can be configured for various current or voltage signals e.g. 0...20 mA, 0...1 V, 0...10 V, etc. The device requires a 230 V AC power supply. A 24 V DC auxiliary voltage for the supply of external sensors is generated by the device.

6157 EB-500	6157-0-0028	66070 6 ^③	—
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① bbn-No. 40 12233

③ bbn-No. 40 11395

Selection Table: Binary Outputs

	AT/S 2.6.5	AT/S 4.x.x	AT/S 6.6.1	AT/S 8.4.1	AT/S 8.16.5	6151EB-500	6152EB-101-500	6172AG-101-500	6173AG-101-500	6110U-500
Outputs	2	4	6	8	8	1	2	2	4	1
Type of installation	MDRC	MDRC	MDRC	MDRC	MDRC	LF	LF	SM	SM	FM
Width (modules)	2	4	4	4	8	—	—	—	—	—
Switch function										
ON delay	■	■	■	■	■				■	
OFF delay	■	■	■	■	■				■	
Staircase lighting function	■	■	■	■	■	■	■	■	■	■
Switch response (normally open/normally closed contact) can be set	■	■	■	■	■	■	■	■	■	■
Logic function										
Logic object AND	■	■	■	■	■	■	■	■	■	■
Logic object OR	■	■	■	■	■	■	■	■	■	■
Priority object (positive drive)	■	■	■	■	■	■	■	■		■
Heating control										
Switch ON/OFF (two-step)	■					■	■	■		
Cyclical fault monitoring	■					■	■	■		
Frost protection function	■									
Automatic purging	■									
Communication function										
Status response object	■	■	■	■	■				■	■
Special function										
Default position on bus voltage failure	■	■	■	■	■	■	■	■	■	■

Important:

One or several application programs are available for each product.

Various functions can be implemented with each application program. The tables shown here are intended as an introduction for simpler planning. It should be noted that in some cases, not all the functions in an application program are available at the same time.

■ – Function is supported



SK 0111 B99

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Switch Actuator, 2-fold, 6 A, MDRC

Uses potential free contacts to switch 2 independent electrical loads via the ABB i-bus® EIB.

AT/S 2.6.5		GH Q631 0042 R0111	49070 2	2
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SK 0001 B99

Switch Actuator, 4-fold, 6 A, MDRC

Uses potential free contacts to switch 4 independent electrical loads via the ABB i-bus® EIB.

AT/S 4.6.2		GH Q631 0033 R0111	45570 1	4
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SK 0090 B97

Switch Actuators, 4-fold, 16 A, MDRC

Uses potential free contacts to switch 4 independent electrical loads via the ABB i-bus® EIB. Manual operation and display of the switching state of the contacts. The C-Load device is especially suited to loads with high surge currents, e.g., fluorescent lighting.

AT/S 4.16.1		GH Q631 0021 R0111	25360 4	4
AT/S 4.16.5	C-Load	GH Q631 0028 R0111	35650 3	4



SK 0029 B96

Switch Actuator, 6-fold, 6 A, MDRC

Uses potential free contacts to switch 6 independent electrical loads via the ABB i-bus® EIB.

AT/S 6.6.1		GH Q631 0023 R0111	25880 7	4
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SK 0109 B99

Switch Actuator, 8-fold, 4 A, MDRC

Uses potential free contacts to independently switch 8 electrical loads in two groups of 4 contacts each with a common supply phase.

AT/S 8.4.1		GH Q631 0041 R0111	49010 8	4
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SK 0109 B00

Switch Actuator, 8-fold, 16 A, C-Load, MDRC

Uses potential free contacts to switch 8 independent electrical loads via the ABB i-bus® EIB. Manual operation and display of the switching state of the contacts. The C-Load device is especially suited to loads with high surge currents, e.g., fluorescent lighting.

AT/S 8.16.5		GH Q631 0047 R0111	50837 7	8
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® bbn-No. 40 11395



SK 0079 B95



SK 0075 B95



SK 0013 B99



SK 0014 B99



SK 0062 B98



SK 0031 B98

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Switch Actuator, 1-fold, 10 A, LF

Built-in switch actuator 230 V, 50 Hz, 1x10 A. Local control possible via flush-mounted sensors and conventional pushbutton.

6151 EB-500	6151-0-0021	60510 3 [®]	—
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Switch Actuator, 2-fold/Shutter Actuator, 1-fold, 10 A, LF

Switch actuator: Switching ON/OFF also possible via conventional push buttons.
Shutter actuator: For controlling a shutter drive. UP, DOWN and louvre adjustment also possible via conventional shutter switches.

6152 EB-101-500	6152-0-0029	60480 9 [®]	—
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Switch Actuator, 2-fold/Shutter Actuator, 1-fold, 10 A, SM

Shutter actuator: Controls one group with 2 shutters via the ABB i-bus® EIB.
UP, DOWN and louvre adjustment.
Series actuator: Controls 2 independent circuits via the ABB i-bus® EIB.

6172 AG-101-500	6151-0-0153	91390 1 [®]	—
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Combi Actuator, SM

The combi actuator can be used individually as a 4-fold switch actuator or a 2 x 2-fold shutter actuator or as a combined 2-fold switch actuator and 1 x 2-fold shutter actuator. It can be used simultaneously as a distribution box. The device can be connected as 3-phase and the mains voltage can be looped through as 3-phase.

6173 AG-101-500	6151-0-0138	91410 6 [®]	—
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Switch Actuator/Sensor, 1-fold, 6 A, FM

Switching of electrical circuits. Local operation with push button operating element. Telegrams can be sent using a multiple operating element.

6110 U-500	6151-0-0162	00061 8 [®]	—
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Analogue Actuator, 2-fold, MDRC

The 2-fold analogue actuator can be used to generate variable analogue control signals. The two outputs can be configured for various current or voltage outputs, e.g., 0...20 mA, 0...1 V, 0...10 V. The device requires a 230 V AC power supply.

AA/S 2.1	GH Q605 0055 R0001	40420 4	4
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[®] bbn-No. 40 11395

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

Selection Table: Shutter Actuators

	JA/S 2.6.1	JA/S 4.6.x	6152 EB- 101-500	6172 AG- 101-500	6173 AG- 101-500
Shutter outputs	2	4	1	1	2
Type of installation:	MDRC	MDRC	LF	SM	SM
Width (modules)	4	4	–	–	–
Shutter functions					
Duration of UP/DOWN movement can be set	■	■	■	■	■
Duration of slat adjustment can be set	■	■	■	■	■
Adjustable reversing time	■	■			
Operation of roller blinds	■	■			
Movement into position		■			■
Safety function					
Shutters raised in event of wind alarm	■	■			■
Shutters lowered in event of wind alarm	■	■			
Time-monitored wind alarm	■	■			
Safety object) (lock-out via the bus		■			■
Communication function					
Status response object	■	■			
Behaviour in event of bus voltage failure					
Raise shutters	■	■			■
Lower shutters	■	■			
Stop movement	■	■			

Important:

One or several application programs are available for each product. Various functions can be implemented with each application program. The tables shown here are intended as an introduction for simpler planning. It should be noted that in some cases, not all the functions in an application program are available at the same time.

■ – Function is supported



SK 0030 B96

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Shutter Actuator, 2-fold, 6 A, MDRC

For controlling 2 independent groups, each with 2 shutter drives, via the ABB i-bus® EIB.

JA/S 2.6.1	230 V AC	GH Q631 0022 R0111	25870 8	4
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SK 0077 B99

Shutter Actuators, 4-fold, 6 A, MDRC

For controlling 4 independent shutter drives via the ABB i-bus® EIB.

JA/S 4.6.1	230 V AC	GH Q631 0037 R0111	48970 6	4
JA/S 4.6.5	24 V DC	GH Q631 0040 R0111	48990 4	4



SK 0075 B95

Switch Actuator, 2-fold/Shutter Actuator, 1-fold, 10 A, LF

Switch actuator: Switching ON/OFF also possible via conventional push buttons.

Shutter actuator: For controlling a shutter drive. UP, DOWN and louvre adjustment also possible via conventional shutter switches.

6152 EB 101-500	6152-0-0029	60480 9 ^③	—
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SK 0013 B99

Switch Actuator, 2-fold/Shutter Actuator, 1-fold, 10 A, SM

Shutter actuator: Controls one group with 2 shutters via the ABB i-bus® EIB. UP, DOWN and louvre adjustment.

Series actuator: Controls 2 independent circuits via the ABB i-bus® EIB.

6172 AG 101-500	6151-0-0153	91390 1 ^③	—
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SK 0014 B99

Combi Actuator, SM

The combi actuator can be used individually as a 4-fold switch actuator or as a 2 x 2-fold shutter actuator or as a combined 2-fold switch actuator and 1 x 2-fold shutter actuator. It can be simultaneously used as a distribution box. The device can be looped through as 3-phase and the mains voltage can be looped through as 3-phase.

6173 AG 101-500	6151-0-0138	91410 6 ^③	—
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^③ bbn-No. 40 11395



SK 0110 B99

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Light Controller / Switch/Dim Actuator, 2-fold, 16 A, MDRC

The device enables the switching and dimming of lighting groups using electronic ballasts via the ABB i-bus® EIB in two independent circuits. In combination with the light sensor LF/U 1.1, the device can be used as a 2-fold light controller for constant light control.

LR/S 2.2.1	GH Q631 0036 R0111	49230 4	4
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SK 0112 B99

Light Sensor, FM

The light sensor is used for detection of the room brightness level in constant lighting applications in conjunction with the LR/S 2.2.1. Connection is via connecting terminal.

LF/U 1.1	GH Q631 0039 R0111	49240 9	—
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SK 0073 B95

Switch/Dim Actuator, 1-fold, 10 A, LF

Built-in device for switching and dimming luminaires with electronic ballast via the ABB i-bus® EIB. Switching ON/OFF and dimming also possible via conventional push buttons.

6153 EB-500	6153-0-0027	60490 8 ^③	—
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SK 0007 B00

Universal Dim Actuator, 2-fold, 300 VA, MDRC

For switching and dimming incandescent lamps, 230 V halogen lamps or low-voltage halogen lamps powered by wound or electronic transformers. The unit has automatic load detection. Full output power up to 45°C as well as a maximum of 500 VA when only one output is operated alone. Can be used in conjunction with the LR/S 2.2.1 for constant light control.

UD/S 2.300.1	GH Q631 0045 R0111	50167 5	4
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SK 0076 B95

Universal Dim Actuator, 1-fold, 400 VA, LF

Built-in device for switching and dimming incandescent lamps and 230 V halogen lamps via the ABB i-bus® EIB. Switching ON/OFF and dimming also possible via conventional push buttons.

6155 EB-101-500	6155-0-0062	74100 9 ^③	—
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^③ bbn-No. 40 11395



SK 0015 B99

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Control Unit for Universal Dimmer, 2-fold, MDRC

Using the control module, up to 18 universal dimmers 6593-102-500 can be controlled via the ABB i-bus® EIB. Two extension inputs are available for control via external push buttons.

6197/11-101-500	6198-0-0098	96903 8 ^③	2
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SK 0068 B98

Universal Dimmer, MDRC

The universal power dimmer 6593-102-500 as well as the connected power extension unit 6594-102-500 are suitable for the brightness control of: incandescent lamps, 230 V halogen incandescent lamps, low-voltage halogen lamps with conventional transformers, electronic transformers for low-voltage halogen incandescent lamps e.g. ABB: ETR-70-230, 105-230, 150-230

The dimmer 6593-102-500 can be operated either by one or several push buttons. The function of the power unit 6594-102-500 is to extend the connected load. It is controlled solely by the preset command of the dimmer 6593-102-500. The parallel connection of the outputs of a universal power dimmer with the relevant power extension units (max. 6) enables a maximum dimming capacity of 3000 W/VA on one load power. Control input for EIB control module 6197/11-101-500. Not suitable for dimming fluorescent lamps.

6593-102-500	Universal Dimmer, 500 VA	6590-0-0161	01394 6 ^③	2
6594-102-500	Extension for U.D., 420 VA	6590-0-0151	98878 7 ^③	2



SK 0012 B98

Control Unit for LUXCONTROL, MDRC

The controller is used to control digitally dimmable devices with electronic ballast or transformers from the ABB range via the ABB i-bus® EIB. A maximum of 50 devices with electronic ballast can be connected in a lighting circuit.

SL/S 50.1	GH Q605 0051 R0001	36580 2	4
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SK 0024 B98

Control Unit for LUXCONTROL, LF

The controller can be inserted in luminaires or surface-mounted and is used to control digitally dimmable devices with electronic ballast or transformers from the ABB range via the ABB i-bus® EIB. A maximum of 50 devices with electronic ballast can be connected in a lighting circuit.

SL/E 50.1	GH Q605 0050 R0001	36570 3	—
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③ bbn-No. 40 11395



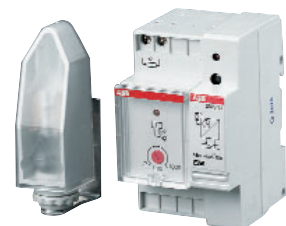
SK 0060 B00

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Brightness Sensor, 3-channel, MDRC

For switching lighting and other loads via ABB i-bus® EIB switching actuators dependent on the daylight light intensity. The device can be used as a twilight switch (1...10 lux) or a light level switch (100...20,000 lux). The light sensor is supplied with the device.

HS/S 3.1		GH Q605 0063 R0001	50098 2	2
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SK 0081 B95

Twilight Switch, 1-channel, MDRC

For switching lighting and other loads via ABB i-bus® EIB switching actuator dependent on the level of ambient brightness. The operating brightness can be precisely adjusted using a potentiometer on the device. The light sensor is supplied with the device. Rear side bus connection.

DM/S 1.1		GH Q605 0032 R0001	15210 5	3
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SK 0033 B95

Light Level Sensor, 3-channel, MDRC

For switching up to 3 lighting groups and other loads via ABB i-bus® EIB switching actuators dependent on the daylight light intensity. A light sensor must be connected to detect the light level. Rear side bus connection.

LW/S 3.1		GH Q631 0010 R0001	13950 2	5
STL-LF 103	Light sensor, SM	GH V021 1370 R0171	53210 0 ^①	—



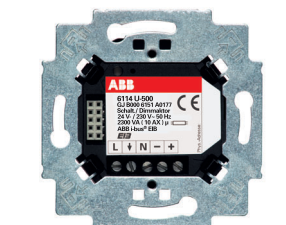
SK 0088 B01

EIB-Presence Detector

Busch-Watchdog® presence detector EIB for ABB i-bus® EIB devices 6120 U-10x-500, 6110 U-500, 6114 U-500. Switching of up to two channels of illumination and one channel for HVAC, constant light control or monitoring function. Detection area: (Presence detector mounted on 2,5 m height) 6 m. Brightness adjustment : 5 – 1000 Lux. Switch off delay (Light channel): 10 sec – 30 min. Switch off delay (HVAC channel): 1 min – 60 min

NEW

6131-74-101-500		6132-0-0137	02352 5 ^③	—
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**Switch/Dim Actuator/Sensor, 1-fold, 10 A, FM**

FM Switch/Dim Actuator, 1-fold, 230 V , 50 Hz, 10 AX, cos phi 0.5. Bus coupler with 0 – 10V interface for switching and dimming luminaires with electronic ballast via the ABB i-bus®. For use with Busch-Watchdog® Presence 6131-74-101 only.

NEW

6114 U-500		6151-0-0177	02356 3 ^③	—
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^① bbn-No. 40 12233^③ bbn-No. 40 11395



SK 0089 B01

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Surface Mounting Base for Presence Detector

Surface mounting base for Busch Watchdog® presence detector EIB for installation of flush-mounted inserts in combination with presence detector EIB 6131-74-101



6885-500		6899-0-0282	00468 8	—
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SK 0090 B01

Watchdog-Sensor 220 HGL Master, SM

Surface mounted Watchdog Busch-Wächter Master 220 HGL EIB with HGL-Lense. Direct connectable to ABB i-bus® EIB via attached bus connector. No additional power supply necessary. With ground and rear-field detection. Detection quality: 70 sectors with 280 segments. Darkness sensor: appr. 0,5 – 1000 Lux. Switch off delay: appr. 10 sec – 32 min. Water protection: IP 55. Sensor angle: 220°. Temperature area: –25°C to 55°C.



6176/01AGM-204-500		6132-0-0126	00491 3	—
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Watchdog Sensors, FM

Flush-mounted Busch Watchdog® sensor 180 comfort for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500.



SK 0047 B01

6132-20-102	platinum	6132-0-0105	98793 3	—
6132-21-102	bronze	6132-0-0113	98795 7	—
6132-24-102-500	studio white, matt	6132-0-0124	98818 3	—
6132-24G-102	studio white, high gloss	6132-0-0115	98799 5	—
6132-28-102	hansa blue	6132-0-0118	98804 6	—
6132-70-102	cobalt blue	6132-0-0107	98806 0	—
6132-71-102	brilliant black	6132-0-0119	98808 4	—
6132-74-102	alpine white	6132-0-0120	98810 7	—
6132-76-102	light grey	6132-0-0121	98812 1	—
6132-79-102	champagne metallic	6132-0-0123	98816 9	—
6132-22G-102	ivory	6132-0-0131	01833 0	—
6132-233-102	bernstein	6132-0-0132	01652 7	—
6132-255-102	obsidian	6132-0-0133	01654 1	—
6132-260-102	palladium	6132-0-0134	01656 5	—
6132-266-102	titan	6132-0-0135	01658 9	—



SK 0047 B01

Watchdog Sensors with Multilense, FM

Flush-mounted Busch Watchdog® sensor 180 comfort with multilense for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500.

6132-24-102M-500	studio white, matt	6132-0-0112	98791 9	—
6132-24G-102M	studio white, high gloss	6132-0-0110	98787 2	—
6132-74-102M	alpine white	6132-0-0111	98789 6	—



SK 0035 B02

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Electronic Switch Actuator, 4-fold, 0.7 A, MDRC

The device has 4 channels for the control of heating or cooling systems via electro thermal valve drives. The actuator operates with 24 V to 230 V AC/DC and has overload protected outputs.

ES/S 4.1.1		GH Q631 0061 R0111	51801 7	4
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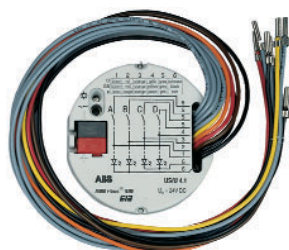


SK 0002 B00

Electronic Relay, 1-fold, FM

The device is used in combination with the 4-fold universal interface US/U 4.1 and a room thermostat to control the temperature in individual rooms. The thermal valve drives of the radiator valves are operated both noise-free and with a low rate of wear.

ER/U 1.1		GH Q631 0044 R0111	49725 1	—
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SK 0060 B98

Universal Interface, 4-fold, FM

The universal interface has 4 channels which can be parameterised as inputs or outputs depending on the application selected. Conventional push buttons, auxiliary contacts, light-emitting diodes and the electronic relay ER/U 1.1 can be used together with this device. The connecting cables can be extended up to 10 m in length. The contact interrogation voltage and the supply voltage for the LEDs are made available by the device. The series resistors for the LEDs are built in.

US/U 4.1		GH Q631 0031 R0111	39980 7	—
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SK 0032 B01

Heating Actuator, 1-fold, FM

Flush-mounted heating actuator. 1 electronic output (noiseless) 24 V – 230 V AC. Max. 1A to connect up to 5 thermoelectric valve drives 6164/10 or 6164/11. 2 inputs for floating contacts. Connecting cables max. 10 m.

6164 U-500		6151-0-0168	99041 4 ^③	—
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SK 0033 B01

Electrothermal Valve Drives

Electrothermal valve drives from Möhlenhoff 230 V AC/DC or 24 V AC/DC power input. To control heating systems and cooled ceilings in conjunction with the heating actuator 6164 U-500, the electronic relay ER/U 1.1 or the electronic switch actuator ES/4.1. With function indicator (open or closed) de-energized when closed, connecting cable: 1.0 m (pluggable) max. opening/closing time: 3 min. A suitable valve adapter is needed for installation.

6164/10	230 V	6151-0-0169	99184 8 ^③	—
6164/11	24 V	6151-0-0174	00453 1 ^③	—

Valve Adapters

Valve adapter from Möhlenhoff for electrothermal valve drives 6164/10 and 6164/11. For angle-type valves.

6164/20	VA 80	6151-0-0170	99186 2 ^③	—
6164/21	VA 50	6151-0-0171	99187 9 ^③	—
6164/22	VA 78	6151-0-0172	99189 3 ^③	—
6164/23	VA 02	6151-0-0173	99193 0 ^③	—

③ bbn-No. 40 11395



SK 0034 B01

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Room Thermostat, FM

Flush-mounted room thermostat for ABB i-bus® EIB bus coupler 6120 U-101-500. For controlling standard or analog positioners (continuous-action controllers) for heating and cooling (PI, PWM, 2-point) via ABB i-bus® EIB.

6134-20-102	platinum	6134-0-0135	00159 2	—
6134-21-102	bronze	6134-0-0136	00161 5	—
6134-24-102-500	studio white, matt	6134-0-0142	00167 7	—
6134-24G-102	studio white, high gloss	6134-0-0138	00163 9	—
6134-28-102	hansa blue	6134-0-0141	00166 0	—
6134-22G-102	ivory	6134-0-0143	01669 5	—
6134-233-102	bernstein	6134-0-0144	01670 1	—
6134-255-102	obsidian	6134-0-0145	01672 5	—
6134-260-102	palladium	6134-0-0146	01674 9	—
6134-266-102	titan	6134-0-0147	01676 3	—



SK 0035 B01

Busch-triton® Switch Sensor, 3-fold, with Thermostat, FM

Flush-mounted room thermostat/3-fold switch sensor Busch triton® for ABB i-bus® EIB bus coupler 6121 U-101-500. Universal operating element with display and room thermostat function for controlling standard positioners or analog positioners (continuous-action controllers) for heating and cooling (PI, PWM, 2-point) and switch sensor function (switching/dimming/blind/value-transmission/ventilation function).

6326-20-101	platinum	6300-0-1215	98557 1	—
6326-21-101	bronze	6300-0-1216	98559 5	—
6326-24-101	studio white, matt	6300-0-1217	98560 1	—
6326-24G-101	studio white, high gloss	6300-0-1218	98562 5	—
6326-28-101	hansa blue	6300-0-1221	98567 0	—
6326-70-101	cobalt blue	6300-0-1222	98569 4	—
6326-71-101	brilliant black	6300-0-1223	98571 7	—
6326-74-101	alpine white	6300-0-1224	98573 1	—
6326-76-101	light grey	6300-0-1225	98574 8	—
6326-79-101	champagne metallic	6300-0-1227	98578 6	—
6326-233-101	bernstein	6300-0-1279	03123 0	—
6326-255-101	obsidian	6300-0-1278	03078 3	—
6326-260-101	palladium	6300-0-1277	03076 9	—
6326-266-101	titan	6300-0-1276	03073 8	—

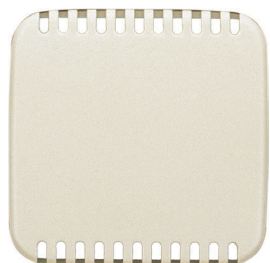
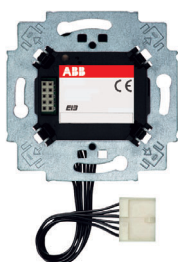


SK 0036 B01

Busch-triton® Switch Sensor, 5-fold, with Thermostat, FM

Flush-mounted room thermostat/5-fold switch sensor Busch triton® for ABB i-bus® EIB bus coupler 6121 U-101-500. Universal operating element with display and room thermostat function for controlling standard positioners or analog positioners (continuous-action controllers) for heating and cooling (PI, PWM, 2-point) and switch sensor function (switching/dimming/blind/value-transmission/ventilation function).

6327-20	platinum	6300-0-1228	98924 1	—
6327-21	bronze	6300-0-1229	98926 5	—
6327-24	studio white, matt	6300-0-1230	98928 9	—
6327-24G	studio white, high gloss	6300-0-1231	98930 2	—
6327-28	hansa blue	6300-0-1234	98936 4	—
6327-70	cobalt blue	6300-0-1235	98938 8	—
6327-71	brilliant black	6300-0-1236	98941 8	—
6327-74	alpine white	6300-0-1237	98942 5	—
6327-76	light grey	6300-0-1238	98943 2	—
6327-79	champagne metallic	6300-0-1240	98947 0	—
6327-233	bernstein	6300-0-1284	03091 2	—
6327-255	obsidian	6300-0-1283	03089 9	—
6327-260	palladium	6300-0-1282	03087 5	—
6327-266	titan	6300-0-1281	03084 4	—



Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Room Thermostat, Commercial, FM



Flush-mounted room thermostat for ABB i-bus® EIB devices 6120 U-10x-500 or binary input 6109 U-500. Room thermostat without manual operation for controlling standard and analogue positioners (PI, PWM or 2-Point). Only operating together with central plates 2114-xxx or 6541-xxx excluding 6541-20, -21, -260 und -266

6134/10		6300-0-1281	03084 4	—
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Binary Input, 5-fold, FM



Bus coupler with 5-fold binary input only for use with the FM room thermostat 6134/10 to connect up to 5 potential free contacts like conventional push buttons. Max. cable length: 10 m. Power is supplied from the device. Bus connection is provided via the bus terminal.

6109 U-500		6156-0-0056	02411 9	—
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Cover Plate for Room Thermostat, Commercial



Cover plates for room thermostat, commercial.

2114-212	studio white, matt	6599-0-0193	37870 0	—
2114-214	alpine white	6599-0-0195	37520 4	—
6541-20	platinum	6599-0-1466	38100 7	—
6541-21	bronze	6599-0-1524	38150 2	—
6541-22G	ivory	6599-0-2795	91730 5	—
6541-24	studio white, matt	6599-0-1557	38180 9	—
6541-24G	studio white, high gloss	6599-0-2332	70860 6	—
6541-28	hansa blue	6599-0-2357	70880 4	—
6541-70	cobalt blue	6599-0-2639	82860 1	—
6541-71	brilliant black	6599-0-2647	82870 0	—
6541-74	alpine white	6599-0-2076	54180 7	—
6541-76	light grey	6599-0-2654	82880 9	—
6541-79	champagne metallic	6599-0-2142	55810 2	—
6541-82	savanne/ivory	6599-0-2832	99569 3	—
6541-84	davos/studio white	6599-0-2835	99663 8	—
6541-85	manhattan/graphite	6599-0-2838	99753 6	—
6541-86	samoa/light green	6599-0-2841	99839 7	—
6541-87	toscana/crimson	6599-0-2844	99917 2	—
6541-88	attica/deaf-blue	6599-0-2847	99997 4	—
6541-89	stone/light grey	6599-0-2866	01806 4	—
6541-233	bernstein	6599-0-2859	00717 4	—
6541-255	obsidian	6599-0-2862	00795 2	—



SK 0088 B01

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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EIB-Presence Detector

Busch-Watchdog® presence detector EIB for ABB i-bus® EIB Devices 6120 U-10x-500, 6110 U-500, 6114 U-500. Switching of up to two channels of illumination and one channel for HVAC, constant light control or monitoring function. Detection area: (Presence detector mounted on 2,5 m height) 6 m. Brightness adjustment : 5 – 1000 Lux. Switch off delay (Light channel): 10 sec – 30 min. Switch off delay (HVAC channel): 1 min – 60 min



6131-74-101-500	6132-0-0137	02352 5	—
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SK 0089 B01

Surface Mounting Base for Presence Detector

Surface mounting base for Busch Watchdog® presence detector EIB for installation of flush-mounted inserts in combination with presence detector EIB 6131-74-101



6885-500	6899-0-0282	00468 8	—
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SK 0010 B98

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Application Unit, MDRC

The application unit can be loaded with different applications using the ETS software in order to implement various functions required in intelligent building control such as logic operations, time delays, logging.

AB/S 1.1		GH Q631 0030 R0111	39220 4	2
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SK 0060 B94

Application Controller, MDRC (to be discontinued)

Used for complex switching and control tasks that cannot be implemented by standard actuators and sensors, e.g., monitoring and control functions, data acquisition, event logging and timer functions. The device is programmed using the parameterisation software PAK V 1.6.

AK/S 1.1		GH Q631 0004 R0111	03960 4	11
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SK 0092 B96

Programming Software for Application Controller (to be discontinued)

The programming software runs under Microsoft® Windows™ and enables the user-friendly programming and operation of the application controller as well as manual intervention in the automatic program flow.

PAK V 1.6	German	GH Q630 1906 R0001	12760 8	—
PAK	English	GH Q630 1906 R0010		—



SK 0049 B95

Logic Unit, MDRC

For complex control tasks such as logical operations on group addresses for shutter and lighting control.

6198-500		6198-0-0022	66090 4 [®]	1
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[®] bbn-No. 40 11395



SK 0010 B00

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Time Switch, 2-channel, MDRC

Provides timed switching in a weekly program of electrical load groups via the ABB i-bus® EIB. 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	50097 5	2
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SK 0063 B00

Time Switch, 4-channel, MDRC

Provides timed switching in a daily, weekly and yearly program of electrical loads via the ABB i-bus® EIB. The time and date are sent to synchronise other bus devices on the ABB i-bus® EIB. Each channel can switch a load group ON or OFF to send a brightness value to dimming actuators. The programming of the switching times is carried out on the clock or via the PC in connection with the memory card PK/E 1.1 and the programming set PS/E 1.1.

SW/S 4.5		GH Q605 0061 R0001	50096 8	6
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SK 0003 B00

Radio Time Switch, 4-channel, MDRC

The radio time switch receives the time signal from the DCF 77 transmitter (antenna FA/A 2.1 is required). The time and date are sent to synchronise other bus devices on the ABB i-bus® EIB. The radio timer provides timed switching in a daily, weekly and yearly program of electrical load groups via the ABB i-bus® EIB. 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 connection with the memory card PK/E 1.1 and the programming set PS/E 1.1.

FW/S 4.5		GH Q605 0060 R0001	50093 7	6
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SK 0105 B00

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	51237 4	—
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SK 0005 B00

Programming Set and Memory Card

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 1.1 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	50104 0	—
PK/E 1.1	Memory Card	GH Q600 1943 R0001	50105 7	—



SK 0097 B97

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Universal Concentrator, 32-fold, MDRC

The universal concentrator is used to connect push buttons or signal lamps to the ABB i-bus® EIB, e.g., in 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 24 V DC auxiliary power supply, e.g., NT/S 24.800 or NT/S 12.1600.

UK/S 32.1		GH Q631 0026 R0111	37870 3	4
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LCD Display, FM

Used in connection with the bus coupler 6120 U-101-500 for displaying 8 switching states or physical variables (e.g. fault signals, temperature) which are transmitted via the ABB i-bus® EIB. A displayed state can be modified which enables changes to be effected such as the room temperature setpoint value.



SK 0067 B96

6136-20	platinum	6136-0-0022	69140 3 ^③	—
6136-21	bronze	6136-0-0030	77150 1 ^③	—
6136-24-500	studio white, matt	6136-0-0097	77200 3 ^③	—
6136-24G	studio white, high gloss	6136-0-0055	77160 0 ^③	—
6136-28	hansa blue	6136-0-0089	77190 7 ^③	—
6136-22G	ivory	6136-0-0111	01692 3 ^③	—
6136-233	bernstein	6136-0-0112	01694 7 ^③	—
6136-255	obsidian	6136-0-0113	01695 4 ^③	—
6136-260	palladium	6136-0-0114	01697 8 ^③	—
6136-266	titan	6136-0-0115	01699 2 ^③	—

TP Console EIB

TP Controller 230 V , 50 Hz for manual and time-programmed control of all ABB i-bus EIB® devices. Astro-programming, vacation, weekly and diagnosis program, status verification. Group addresses (actions) are entered via DIN keyboard interface by means of standard PC keyboard or via enclosed Windows project-planning software Power-Project. Bus connection is via RS 232-interface.



SK 0037 B01

6100-500		6102-0-0002	99182 4 ^③	—
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^③ bbn-No. 40 11395



SK 0020 B02

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Internet Gateway, ISDN



The internet gateway provides remote access to the electrical installation from any internet access point worldwide. The 4 analog inputs (0 ... 5V/0 ... 10V/0 ... 20 mA), 6 binary inputs and 6 binary outputs (up to 10A at 250V AC) allow a multitude of possible applications. The IN/S can send email- or SMS-messages to inform about events and alarms. To adapt the IN/S to the specific needs, an easy-to-use macroeditor and time switch functions are built-in.

IN/S 1.1	ISDN	GH Q605 0064 R0001	55311 7	9
IN/S 2.1	Analog	GH Q605 0065 R0001	55312 4	9



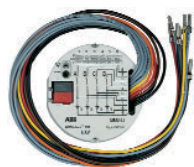
SK 0021 B02

Video Module



Together with the internet gateway, the Video-Modul can transmit live-video pictures. Any videocamera with 1Vpp, 75 Ohm can be connected. The connection between the video module and the internet gateway is made via USB cable (supplied with the VM/S).

VM/S 1.1		GH Q605 0066 R0111	55313 1	2
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SK 0060 B98

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Universal Interface, 4-fold, FM

The universal interface has 4 channels which can be parameterised as inputs or outputs depending on the application selected. Conventional push buttons, auxiliary contacts, light-emitting diodes and the electronic relay ER/U 1.1 can be used together with this device. The connecting cables can be extended up to 10 m in length. The contact interrogation voltage and the supply voltage for the LEDs are made available by the device. The series resistors for the LEDs are built in.

US/U 4.1		GH Q631 0031 R0111	39980 7	—
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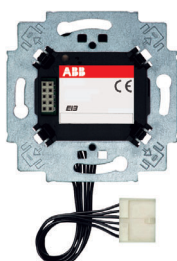


SK 0025 B95

Push Button Interface, 4-fold, FM

For the connection of up to 4 conventional push buttons/switches to the ABB i-bus® EIB. The device provides 24 V DC for contact interrogation.

TS/U 4.2		GH Q605 0025 R0002	50641 0	—
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**Binary Input, 5-fold, FM**

Bus coupler with 5-fold binary input only for use with the FM room thermostat 6134/10 to connect up to 5 potential free contacts like conventional push buttons. Max. cable length: 10 m. Power is supplied from the device. Bus connection is provided via the bus terminal.



6109 U-500		6156-0-0056	02411 9 ^③	—
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SK 0053 B92

Bus Coupler, FM

For connecting operating elements such as a push buttons (1-, 2-, 4-fold), dimmer/shutter switches, motion sensors, room thermostats, RS 232 interfaces, infrared interfaces and Busch-triton® to the ABB i-bus® EIB. Replaces former types 6120 U-500 and 6121 U-500.



6120 U-101-500		6120-0-0063	03097 4 ^③	—
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SK 0062 B98

Switch Actuator Sensor, 1-fold, 6 A, FM

Switching of electrical circuits. Local operation with push button operating element. Telegrams can be sent using a multiple operating element.

6110 U-500		6151-0-0162	00061 8 ^③	—
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^③ bbn-No. 40 11395

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Busch-triton® Switch Sensors, 1-fold, FM

Flush-mounted 1-fold switch sensor Busch triton® for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500.



SK 0038 B01

6321-20	platinum	6300-0-0883	90850 1	—
6321-21	bronze	6300-0-0891	90860 0	—
6321-24	studio white, matt	6300-0-0909	90870 9	—
6321-24G	studio white, high gloss	6300-0-0917	90880 8	—
6321-28	hansa blue	6300-0-0933	90900 3	—
6321-70	cobalt blue	6300-0-0305	85980 3	—
6321-71	brilliant black	6300-0-0560	87870 5	—
6321-74	alpine white	6300-0-0313	85990 2	—
6321-76	light grey	6300-0-0321	86000 7	—
6321-79	champagne metallic	6300-0-0941	90910 2	—
6321-233	bernstein	6300-0-1254	03028 8	—
6321-255	obsidian	6300-0-1253	03026 4	—
6321-260	palladium	6300-0-1252	03024 0	—
6321-266	titan	6300-0-1251	03022 6	—

Busch-triton® Switch Sensors, 3-fold, FM

Flush-mounted 3-fold switch sensor Busch triton® for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500. Universal operating element with IR reception.



SK 0039 B01

6322-20-101	platinum	6300-0-1014	94400 4	—
6322-21-101	bronze	6300-0-1097	94410 3	—
6322-24-101	studio white, matt	6300-0-1113	94420 2	—
6322-24G-101	studio white, high gloss	6300-0-1121	94430 1	—
6322-28-101	hansa blue	6300-0-1154	94470 7	—
6322-70-101	cobalt blue	6300-0-1170	94490 5	—
6322-71-101	brilliant black	6300-0-1162	94480 6	—
6322-74-101	alpine white	6300-0-1188	94500 1	—
6322-76-101	light grey	6300-0-1196	94510 0	—
6322-79-101	champagne metallic	6300-0-1212	94530 8	—
6322-233-101	bernstein	6300-0-1259	03038 7	—
6322-255-101	obsidian	6300-0-1258	03036 3	—
6322-260-101	palladium	6300-0-1257	03034 9	—
6322-266-101	titan	6300-0-1256	03032 5	—

**Busch-triton® Switch Sensors, 3-fold, with Socket Outlet, FM**

Flush-mounted 3-fold switch sensor Busch triton® for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500. Universal operating element with IR reception.

6332-24G	studio white, high gloss	6300-0-1249	01311 3	—
6332-74	alpine white	6300-0-1250	01313 7	—

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Busch-triton® Switch Sensors, 3-fold, with Display, FM

Flush-mounted 3-fold switch sensor Busch triton® for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500. Universal operating element with IR reception and display.



SK 0040 B01

6323-20	platinum	6300-0-0958	91460 1	—
6323-21	bronze	6300-0-0966	91470 0	—
6323-24	studio white, matt	6300-0-0974	91480 9	—
6323-24G	studio white, high gloss	6300-0-0982	91490 8	—
6323-28	hansa blue	6300-0-1006	91510 3	—
6323-70	cobalt blue	6300-0-0453	85520 1	—
6323-71	brilliant black	6300-0-0586	87890 3	—
6323-74	alpine white	6300-0-0461	85530 0	—
6323-76	light grey	6300-0-0479	85540 9	—
6323-79	champagne metallic	6300-0-1022	91530 1	—
6323-233	bernstein	6300-0-1264	03048 6	—
6323-255	obsidian	6300-0-1263	03046 2	—
6323-260	palladium	6300-0-1262	03044 8	—
6323-266	titan	6300-0-1261	03042 4	—

Busch-triton® Switch Sensors, 3-fold, with Thermostat, FM

Flush-mounted room thermostat/3-fold switch sensor Busch triton® for ABB i-bus® EIB bus coupler 6120 U-101-500. Universal operating element with display and room thermostat function for controlling standard positioners or analog positioners (continuous-action controllers) for heating and cooling (PI, PWM, 2-point) and switch sensor function (switching/dimming/blind/value-transmission/ventilation function).



SK 0035 B01

6326-20-101	platinum	6300-0-1215	98557 1	—
6326-21-101	bronze	6300-0-1216	98559 5	—
6326-24-101	studio white, matt	6300-0-1217	98560 1	—
6326-24G-101	studio white, high gloss	6300-0-1218	98562 5	—
6326-28-101	hansa blue	6300-0-1221	98567 0	—
6326-70-101	cobalt blue	6300-0-1222	98569 4	—
6326-71-101	brilliant black	6300-0-1223	98571 7	—
6326-74-101	alpine white	6300-0-1224	98573 1	—
6326-76-101	light grey	6300-0-1225	98574 8	—
6326-79-101	champagne metallic	6300-0-1227	98578 6	—
6323-233-101	bernstein	6300-0-1279	03123 0	—
6323-255-101	obsidian	6300-0-1278	03078 3	—
6323-260-101	palladium	6300-0-1277	03076 9	—
6323-266-101	titan	6300-0-1276	03073 8	—



SK 0041 B01

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Busch-triton® Switch Sensors, 5-fold, FM

Flush-mounted 5-fold switch sensor Busch triton® for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500. Universal operating element with IR reception.

6324-20	platinum	6300-0-0800	90950 8	—
6324-21	bronze	6300-0-0818	90960 7	—
6324-24	studio white, matt	6300-0-0826	90970 6	—
6324-24G	studio white, high gloss	6300-0-0834	90980 5	—
6324-28	hansa blue	6300-0-0859	91000 9	—
6324-70	cobalt blue	6300-0-0404	85450 1	—
6324-71	brilliant black	6300-0-0578	87880 4	—
6324-74	alpine white	6300-0-0412	85470 9	—
6324-76	light grey	6300-0-0420	85480 8	—
6324-79	champagne metallic	6300-0-0875	91020 7	—
6323-233	bernstein	6300-0-1269	03058 5	—
6323-255	obsidian	6300-0-1268	03056 1	—
6323-260	palladium	6300-0-1267	03054 7	—
6323-266	titan	6300-0-1266	03052 3	—



SK 0042 B01

Busch-triton® Switch Sensors, 5-fold, with Display, FM

Flush-mounted 5-fold switch sensor Busch triton® for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500. Universal operating element with IR reception and display.

6325-20	platinum	6300-0-1030	91540 0	—
6325-21	bronze	6300-0-1048	91550 9	—
6325-24	studio white, matt	6300-0-1055	91560 8	—
6325-24G	studio white, high gloss	6300-0-1063	91570 7	—
6325-28	hansa blue	6300-0-1089	91590 5	—
6325-70	cobalt blue	6300-0-0503	85570 6	—
6325-71	brilliant black	6300-0-0594	87900 9	—
6325-74	alpine white	6300-0-0511	85580 5	—
6325-76	light grey	6300-0-0529	85590 4	—
6325-79	champagne metallic	6300-0-1105	91610 0	—
6325-233	bernstein	6300-0-1274	03068 4	—
6325-255	obsidian	6300-0-1273	03066 0	—
6325-260	palladium	6300-0-1272	03064 6	—
6325-266	titan	6300-0-1271	03062 2	—



SK 0036 B01



Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Busch-triton® Switch Sensors, 5-fold, with Thermostat, FM

Flush-mounted room thermostat/5-fold switch sensor Busch triton® for ABB i-bus® EIB bus coupler 6120 U-101-500. Universal operating element with display and room thermostat function for controlling standard positioners or analog positioners (continuous-action controllers) for heating and cooling (PI, PWM, 2-point) and switch sensor function (switching/dimming/blind/value-transmission/ventilation function).

6327-20	platinum	6300-0-1228	98924 1	—
6327-21	bronze	6300-0-1229	98926 5	—
6327-24	studio white, matt	6300-0-1230	98928 9	—
6327-24G	studio white, high gloss	6300-0-1231	98930 2	—
6327-28	hansa blue	6300-0-1234	98936 4	—
6327-70	cobalt blue	6300-0-1235	98938 8	—
6327-71	brilliant black	6300-0-1236	98941 8	—
6327-74	alpine white	6300-0-1237	98942 5	—
6327-76	light grey	6300-0-1238	98943 2	—
6327-79	champagne metallic	6300-0-1240	98947 0	—
6327-233	bernstein	6300-0-1284	03091 2	—
6327-255	obsidian	6300-0-1283	03089 9	—
6327-260	palladium	6300-0-1282	03087 5	—
6327-266	titan	6300-0-1281	03084 4	—

Combination Socket Outlet

Combi-SCHUKO®-socket outlet in Busch-triton®-design shuttered 2 P + E, 10/16 A, 250 V for operating elements 6321-xxx, 6322-xxx-101, 6323-xxx, 6326-xxx-101

20 EUCKST-71		6300-0-1286	03576 4	—
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Socket Outlet Busch-triton®

SCHUKO®-socket outlet with screwless terminal in Busch-triton®-design.

20 EUJKST-24G	studio white high gloss	2013-0-5256	01306 9	—
20 EUJKST-74	alpine white	2013-0-5257	01308 3	—
20 EUJKST-71	brilliant black	2013-0-5258	01310 6	—

Intermediate Ring

Intermediate ring Busch-triton® 1gang 2 P + E, 10/16 A, 250 V for Reflex SI socket outlet 20 EUCKS-xxx, 2531-xxx, 1803-02-xxx, 2147 U-xxx

1746 ZRKT-20	platinum	1710-0-3406	01283 3	—
1746 ZRKT-21	bronze	1710-0-3407	01285 7	—
1746 ZRKT-24	studio white, matt	1710-0-3408	01287 1	—
1746 ZRKT-24G	studio white, high gloss	1710-0-3409	01289 5	—
1746 ZRKT-28	hansa blue	1710-0-3412	01294 9	—
1746 ZRKT-70	cobalt blue	1710-0-3413	01296 3	—
1746 ZRKT-71	brilliant black	1710-0-3414	01298 7	—
1746 ZRKT-74	alpine white	1710-0-3415	01299 4	—
1746 ZRKT-76	light grey	1710-0-3416	01301 4	—
1746 ZRKT-79	champagne metallic	1710-0-3418	01304 5	—
1746 ZRKT-233	bernstein	1710-0-3518	03333 3	—
1746 ZRKT-255	obsidian	1710-0-3517	03331 9	—
1746 ZRKT-260	palladium	1710-0-3516	03329 6	—
1746 ZRKT-266	titan	1710-0-3515	03327 2	—



SK 0044 B01

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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Switch Sensors, 1-fold, FM

Flush-mounted 1-fold switch sensor for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500.

6115-20-101	platinum	6115-0-0128	97242 7	—
6115-21-101	bronze	6115-0-0129	97244 1	—
6115-24-101-500	studio white, matt	6115-0-0135	97253 3	—
6115-24G-101	studio white, high gloss	6115-0-0131	97247 2	—
6115-28-101	hansa blue	6115-0-0134	97252 6	—
6115-22G-101	ivory	6115-0-0138	01621 3	—
6115-233-101	bernstein	6115-0-0139	01625 1	—
6115-255-101	obsidian	6115-0-0140	01625 1	—
6115-260-101	palladium	6115-0-0141	01627 5	—
6115-266-101	titan	6115-0-0142	01629 9	—



SK 0045 B01

Switch Sensors, 2-fold, FM

Flush-mounted 2-fold switch sensor for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500.

6116-20-101	platinum	6116-0-0118	97227 4	—
6116-21-101	bronze	6116-0-0119	97228 1	—
6116-24-101-500	studio white, matt	6116-0-0125	97240 3	—
6116-24G-101	studio white, high gloss	6116-0-0121	97232 8	—
6116-28-101	hansa blue	6116-0-0124	97238 0	—
6116-22G-101	ivory	6116-0-0128	01830 9	—
6116-233-101	bernstein	6116-0-0129	01632 9	—
6116-255-101	obsidian	6116-0-0130	01634 3	—
6116-260-101	palladium	6116-0-0131	01636 7	—
6116-266-101	titan	6116-0-0132	01638 1	—



SK 0046 B01

Switch Sensors, 4-fold, FM

Flush-mounted 4-fold switch sensor for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500.

6117-20-101	platinum	6117-0-0116	97213 7	—
6117-21-101	bronze	6117-0-0117	97215 1	—
6117-24-101-500	studio white, matt	6117-0-0123	97225 0	—
6117-24G-101	studio white, high gloss	6117-0-0119	97219 9	—
6117-28-101	hansa blue	6117-0-0122	97223 6	—
6117-22G-101	ivory	6117-0-0127	01832 3	—
6117-233-101	bernstein	6117-0-0128	01642 8	—
6117-255-101	obsidian	6117-0-0129	01644 2	—
6117-260-101	palladium	6117-0-0130	01646 6	—
6117-266-101	titan	6117-0-0131	01648 0	—

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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LCD Display, FM

Used in connection with the bus coupler 6120 U-1041-500 for displaying 8 switching states or physical variables (e.g. fault signals, temperature) which are transmitted via the ABB i-bus® EIB. A displayed state can be modified which enables changes to be effected such as the room temperature setpoint value.



SK 0067 B96

6136-20	platinum	6136-0-0022	69140 3	—
6136-21	bronze	6136-0-0030	77150 1	—
6136-24-500	studio white, matt	6136-0-0097	77200 3	—
6136-24G	studio white, high gloss	6136-0-0055	77160 0	—
6136-28	hansa blue	6136-0-0089	77190 7	—
6136-22G	ivory	6136-0-0111	01692 3	—
6136-233	bernstein	6136-0-0112	01694 7	—
6136-255	obsidian	6136-0-0113	01695 4	—
6136-260	palladium	6136-0-0114	01697 8	—
6136-266	titan	6136-0-0115	01699 2	—

Infrared Interfaces, FM

Flush-mounted infrared interface for ABB i-bus® EIB devices 6120 U-101-500 and 6110 U-500. For control via Busch remote control® IR hand-held transmitter 6010-25-500 or wall-mounted transmitters 6020-../6021-.... Local control of a group address.



SK 0049 B01

6135-20	platinum	6135-0-0024	57100 2	—
6135-21	bronze	6135-0-0032	57160 6	—
6135-24-500	studio white, matt	6135-0-0065	60540 0	—
6135-24G	studio white, high gloss	6135-0-0073	75010 0	—
6135-28	hansa blue	6135-0-0099	75030 8	—
6135-22G	ivory	6135-0-0111	02233 7	—
6135-233	bernstein	6135-0-0112	02235 1	—
6135-255	obsidian	6135-0-0113	02237 5	—
6135-260	palladium	6135-0-0114	02239 9	—
6135-266	titan	6135-0-0115	02241 2	—

IR Wall Mounted Transmitters, FM

IR wall mounted transmitter. Network-independent remote control for infrared receiver and EIB flush-mounted infrared interface (Selection of 2 memo functions per address group and ALL OFF. The IR hand-held transmitter is needed to program the memories M1 and M2.) *, address-group switchover (1-5/6-10). Supply: 6V flat-pack battery (e.g., Duracell 7K 67, not included in scope of supply).



SK 0050 B01

6020-20	platinum	6020-0-0036	32630 5	—
6020-21	bronze	6020-0-0044	32640 4	—
6020-24-500	studio white, matt	6020-0-1281	96630 3	—
6020-24G-500	studio white, high gloss	6020-0-1299	96640 2	—
6020-28	hansa blue	6020-0-1018	74820 6	—



SK 0051 B01



SK 0052 B01

Type	Detail	Order code	bbn 40 11395 EAN	MW **
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IR Wall Mounted Transmitters, 1-channel, FM

IR Wall-mounted transmitter, 1 channel. Network-independent remote control for infrared receiver and EIB flush-mounted infrared interface (Switching and dimming of an IR address possible, ALL OFF function for appurtenant addressable area)*. Supply: 6V flat-pack battery (e.g., Duracell 7K 67, not included in scope of supply), range: frontal, 15 m.

6021-20	platinum	6020-0-0754	73250 2	—
6021-21	bronze	6020-0-0762	73370 7	—
6021-24-500	studio white, matt	6020-0-1315	96660 0	—
6021-24G-500	studio white, high gloss	6020-0-1307	96650 1	—
6021-28	hansa blue	6020-0-0879	73450 6	—

IR Hand Held Transmitters

IR hand-held transmitter. Network-independent remote control for infrared receiver and EIB flush-mounted infrared interface (10 consumers switchable in 2 groups, 1 – 5/6 – 10, programming and selection of 2 MEMO memories per address group). Supply: 4 alkaline manganese batteries, IEC LR03 (microcell) (not included in scope of supply) Range: frontal, approx. 15 m.

6010-25-500	6020-0-1133	93850 8	—
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EIB Delta-Meter

The EIB Delta-Meters are a new generation of certified, digital electronic electricity meters with integrated ABB i-bus® EIB communication interface for the measurement of electrical energy consumption.

The EIB-communication interface allows remote reading of the meter data over ABB i-bus® EIB for billing, energy optimisation, visualisation or installation monitoring purposes. The EIB Delta-Meter can be universally employed for sub-metering applications in industrial installations, commercial buildings, office complexes, leisure facilities or private housing.

Special Features

- Precise measurement of energy consumption (kWh, also kvarh with Combi-meters)
- For 2, 3 and 4 wire voltage networks with symmetric or asymmetric loading (50/60 Hz)
- Integrated EIB-bus communication interface for remote reading of meter data
- Network monitoring function: registration and display of up to 24 electrical measurement values
- Automatic control of the meter installation with „Installation Self-test“
- Easy to read LCD-Display, LED-Display for energy consumption
- Direct connection up to 65 A
- Transformer connection (/1A and /5A secondary) with transformer meter
- Accuracy class 1 or 2
- Tariff meters with 4 tariffs
- Meters fulfil standards IEC 1036/1268
- System pro M Design with sealable housing for snap fixing on 35 mm DIN rails

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Transformer rated meters for /1 A or /5 A current transformers

Active energy meters

DZ 2210 W E	1x230 V, 2(6) A, Class 2	GH V782 2100 R0100	51128 5	7
DZ 3110 W E	3x110 V, 2(6) A, Class 2	GH V783 1100 R0100	51129 2	7
DZ 3410 W E	3x400 V, 2(6) A, Class 2	GH V783 4100 R0100	51130 8	7
DZ 3510 W E	3x500 V, 2(6) A, Class 2	GH V783 5100 R0100	51131 5	7
DZ 4011 W E	3x230/400 V, 1(6) A, Class 1	GH V784 0101 R0100	51132 2	7
DZ 4010 W E	3x230/400 V, 2(6) A, Class 2	GH V784 0100 R0100	51133 9	7

Combi meters (active and reactive energy)

DZ 4010 K E	3x230/400 V, 2(6) A, Class 2	GH V784 0100 R1100	51134 6	7
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Tariff meters (4 Tariffs)

DZ 4010 WT E	3x230/400 V, 2(6) A, Class 2	GH V784 0100 R0140	51135 3	7
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Direct connected meters

Active energy meters

DZ 2200 W E	1x230 V, 5(65) A, Class 2	GH V782 2000 R0100	51143 8	7
DZ 3400 W E	3x400 V, 5(65) A, Class 2	GH V783 4000 R0100	51144 5	7
DZ 4001 W E	3x230/400 V, 5(65) A, Class 1	GH V784 0001 R0100	51145 2	7
DZ 4000 W E	3x230/400 V, 5(65) A, Class 2	GH V784 0000 R0100	51146 9	7

Combi meters (active and reactive energy)

DZ 4000 K E	3x230/400 V, 5(65) A, Class 2	GH V784 0000 R2100	51147 6	7
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Tariff meters (4 Tariffs)

DZ 4000 WT E	3x230/400 V, 5(65) A, Class 2	GH V784 0000 R0140	51148 3	7
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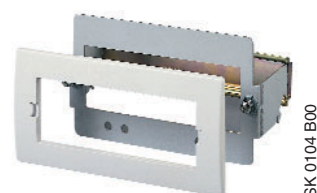
Panel Mounting Kit

For mounting EIB Delta-Meters in distribution board doors or display panels.

DZ-FTB	GH V780 0000 R0000	48120 5	—
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SK 0062 B00



SK 0104 B00

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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Preventative Sensor Technology

Preventative sensor technology refers to devices and systems which detect changes in the electrical installation early and report them. This technology is used in addition to the primary protection system in order to increase the reliability of the electrical supply. Possible applications for preventative sensor technology include the measurement of load currents, residual currents etc., possible disconnection if there is an overrange or underflow of the set threshold values, correlation of the measured values and if required trend analysis as part of maintenance measures or remote diagnosis.



SK 0086 B99

Current Module, 3 channel, MDRC

The current module enables the measurement of load and/or residual currents. There are 3 isolated and independent measuring circuits available for this purpose. The actual load and residual current values can be sent via the ABB i-bus® EIB. Switching telegrams can also be sent via the ABB i-bus® EIB if there is an overrange or underflow in the set threshold values.

SM/S 3.16.30	GH Q631 0034 R0111	48040 6	4
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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® EIB. 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 (classes A, B or C).

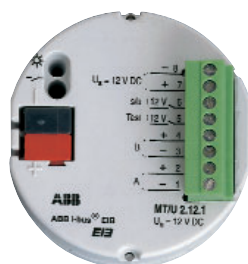


SK 0096 B97

Zone Terminal, 4-fold, MDRC

Used for the monitored connection of passive detectors, e.g., magnetic contacts or glass-breakage sensors to the ABB i-bus® EIB and/or for the connection of other floating contacts in applications with increased security requirements. The device has 4 zone inputs whose status is indicated via 4 LEDs. Two 12 V outputs "Walk test" and "Set/unset" enable the control of conventional passive infrared detectors. An external 12 V DC SELV power supply is required, e.g., NT/S 12.1600.

MT/S 4.12.1	GH Q631 0027 R0111	37830 2	4
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SK 0001 B01

Zone Terminal, 2-fold, FM

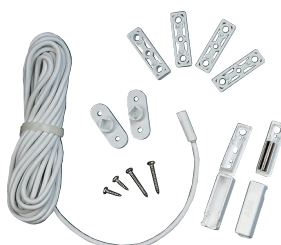
The device is used for the monitored connection of passive detectors such as magnetic contacts, passive infrared detectors or glass-breakage sensors. It has 2 zone inputs to which several detectors can be connected. Two 12 V outputs "Walk test" and "Set/unset" enable the control of passive infrared detectors. The device can be flush-mounted in an installation box with Ø 55 mm. An external 12 V DC SELV power supply is required, e.g., NT/S 12.1600.

MT/U 2.12.1	GH Q631 0060 R0111	51380 7	—
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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 antimagnetic fixing screws.

MRS/W	white	GH Q320 1972 R0001	50660 1	—
MRS/B	brown	GH Q320 1972 R0002	50659 5	—
VMRS/W	Saver Set (20 pcs.), white	GH Q320 1972 R0011	50658 8	—
VMRS/B	Saver Set (20 pcs.), brown	GH Q320 1972 R0012	50657 1	—



STO 7277 00



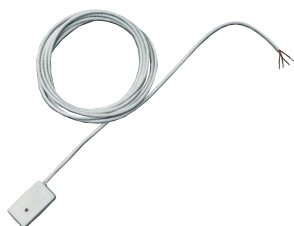
VSM 7069.93

Type	Detail	Order code	bbn 40 13232 EAN	MW **
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Glass Break Sensor

For surveillance of glass surfaces of windows, display windows and doors.
High interference immunity. Integrated memory display. Extremely compact dimensions.
Dimensions: H x W x D = 18 x 18 x 9 mm. With 5 m connection cable.
The device is mounted onto glass using Loctite adhesive (LKS).

SPGS/W	white	GH V922 0004 V0009	61420 0	—
SPGS/B	brown	GH V922 0004 V0010	61430 9	—
LKS	Loctite Adhesive	GH Q400 1906 R0001	39280 1	—



VSM 7058.93

Vibration Detector

The EMA is an electronic vibration detector with an LED display. The sensitivity can be individually adjusted. The connection cable LIYY 4 x 0.14 mm² is 4 m in length. The device is mounted onto glass using Loctite adhesive (LKS).

EMA/W	white	GH V922 0009 V0003	57190 9	—
EMA/B	brown	GH V922 0009 V0004	57200 5	—
LKS	Loctite Adhesive	GH Q400 1906 R0001	39280 1	—



VSM 532.90

Lock Bolt Switching Contact

For installation in the strike plate. Used for lock monitoring on doors. Water-tight IP 67, with 2.5 m connection cable LIYY 3 x 0.14 mm².

WRK/W		GH V925 0022 V0005	02460 3	—
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ASJ 7184.96

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 LIYY 4 x 0.14 mm² is 4 m in length.

VSUE		GH V921 0018 V0022	70120 7	—
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VSM 7151.95

Passive Infrared Detector

The detector is fitted as standard with a 12 metre volumetric lens. As an option, it is possible to use a 20 m long-range lens to monitor long corridors or a 10 m curtain lens to monitor display windows for example. The detector is fitted with a walk test LED and an alarm memory. Colour: pure white.

IR/N		GH V923 0039 V0001	61710 2	—
IR/L	Long Range Lenses (5 pcs.)	GH V923 0039 V0002	61720 1	—
IR/V	Curtain Lenses (5 pcs.)	GH V923 0039 V0003	61730 0	—
MW	Mounting Bracket	GH V923 0039 V0020	66580 6	—



ASJ 7223.98

Dual Ceiling Detector

The dual ceiling detector EIM/DB operates according to the proven detection principle of the EIM detector (infrared technology and electromagnetic field) over 360°. The range of the infrared 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: pure white

EIM/DB		GH Q923 0039 V0010	74477 8	—
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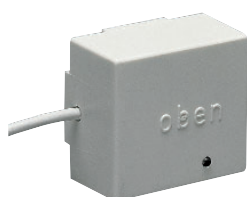
ASJ 7167.96

Type	Detail	Order code	bbn 40 13232 EAN	MW **
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Emergency Call Button

For manual alarm tripping. Complies with the police regulations since it features permanent trip recognition, momentary-contact function, with cover contact. Colour: white

ND/W	Surface mounting	GH Q713 2443 R0011	02540 2	—
NDU/W	Flush mounting	GH Q713 2443 R0021	02550 1	—
NDA/W	Cover Plate	GH Q713 2443 R0004	61690 7	—
EP	Spare Paper (10 pcs.)	GH Q713 2443 R0003	04220 1	—



STO 7272.99

Water Detector

The SWM 4, a resin-encapsulated water detector with gold-plated Termipoint pins, detects water ingress in good time, e.g., pipe fractures, ingress of groundwater and sewage, water damage caused by washing machines and dishwashers etc. before the damage becomes too expensive.

SWM 4		GH Q403 0001 R0004	05740 3	—
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ASJ 7208.97

Home Smoke Detector

The home smoke detector RM/A 1.1 detects smoke development in smouldering fires and triggers an alarm. In the event of an alarm, a loud, pulsating signal is sounded. The smoke detector is battery-operated (9 V battery). It can either be operated as an individual device or networked via the contact module KM/E 1.1 with other smoke detectors (max. 40) and signalling devices (e.g. sounders) as well as with the ABB i-bus® EIB.

RM/A 1.1		GH V902 0010 V0112	50111 8 ^④	—
KM/E 1.1	Contact module	GH V902 0002 V0112	50112 5 ^④	—



VSM 7129.94

Optical Smoke Detector

The detector base B412NL is used together with the optical smoke detector ORM 2151 for early detection of fires in buildings. The base can be connected to 12 V intruder zones, e.g., Zone Terminals MT/S 4.12.1 and MT/U 2.12.1. The supply voltage is 12 V DC. A floating, two-way contact serves as an alarm output. An optional reed relay RL in the last detector of the zone monitors the supply voltage and the removal of a smoke detector from the base.

ORM2151		GH V902 0010 V0012	61570 2	—
B412NL	Detector base	GH Q305 0001 R0001	51682 2 ^④	—
RL	Reed relay	GH V927 0013 V0100	66560 8	—



SK 0101 B01

Gas Detector

The SGL detector is able to measure and evaluate the concentration of natural gas or liquidified gas in the air. The detector requires a 10 – 30 V DC voltage supply and has a relay output contact for connection to, for example, the zone terminals. With LED-indicator and Piezo buzzer.

SGL		GH Q305 0008 R0001	53313 3	—
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^④ bbn-No. 40 16779



VSM 366.90



SK 0105 B01

Type	Detail	Order code	bbn 40 13232 EAN	MW **
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Electronic Solid-State Siren
Electronic solid-state siren with intermittent tone for alarm purposes in indoor installations.

SSS		GH V927 0001 V0001	02320 0	—
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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.



SSF/GB		GH Q305 0018 R0001	53447 3 ^④	—
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^④ bbn-No. 40 16779

Labelling Material

Type	Detail	Order code	bbn 40 16779 EAN	MW **
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SK 0187 B91

Plate Mount, snap on

Comprising transparent plate mounts and slide-in, labelled or unlabelled paper designation plates. Can be used for switches, push buttons, indicator lamps, remote-control switches, wiring relays as well as miniature circuit-breakers, residual-current-operated circuit-breakers and ABB i-bus® EIB components.

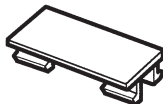
ST	Plate Mount, snap on	GH S210 1945 R0002	13820 3 ^①	—
ST-E	(1 set = 300 Pcs.)	GH S210 1946 R0002	13830 2 ^①	—
ST-EN	numbered 1 – 100	GH S210 1946 R0003	64530 5 ^①	—



SK 0120 B91

Designation Plate unlabelled

Comprising 40 designation plates, labelled or unlabelled. The plain designation plate mats can be labelled by hand with indelible, waterproof pens or with computer-controlled labelling systems (plotters).



SK 0018 Z94

SZ-KZS	unlabelled	GH S210 1946 R0004	00850 1	—
SZ-KZS/1	with Labelling 1 – 40	GH S210 1946 R0005	00860 0	—
SZ-KZS/2	with Labelling 41 – 80	GH S210 1946 R0006	00870 9	—
SZ-KZS/3	with Labelling 81 – 120	GH S210 1946 R0007	00880 8	—
SZ-KZS/4	with Labelling 121 – 160	GH S210 1946 R0008	00890 7	—
SZ-KZS/5	with Pictograms	GH S210 1946 R0009	00900 3	—
SZ-KZS/6	with Labelling 2 x 1 – 20	GH S210 1946 R0010	05080 7	—
SZ-KZS/9	with Labelling 4 x 1 – 10	GH S210 1946 R0013	39050 7	—
SZ-KZS/10	with Labelling 4 x 11 – 20	GH S210 1946 R0014	39060 6	—

ABB	ABB STOTZ-KONT. KT	SZ-KZS/1				ABB STOTZ-KONT. KT	SZ-KZS/2
		2	1	1	2		
		4	3	3	4		
		6	5	5	6		
		8	7	7	8		
		10	9	9	10		
		12	11	11	12		
		14	13	13	14		
		16	15	15	16		
		18	17	17	18		
20	19	19	20				

SK 0004 Z 94

ABB	ABB STOTZ-KONTAKT	SZ-KZS/3				ABB STOTZ-KONTAKT	SZ-KZS/4
		1	2	3	4		
		5	6	7	8		
		9	10	11	12		
		13	14	15	16		
		17	18	19	20		
		21	22	23	24		
		25	26	27	28		
		29	30	31	32		
		33	34	35	36		
37	38	39	40				

SK 0162 Z 93

ABB ABB STÖTZ-KONTAKT SZ-KZS/2	41	42	43	44	ABB ABB STÖTZ-KONTAKT SZ-KZS/2
	45	46	47	48	
	49	50	51	52	
	53	54	55	56	
	57	58	59	60	
	61	62	63	64	
	65	66	67	68	
	69	70	71	72	
	73	74	75	76	
	77	78	79	80	

SK 0163 Z 93



SK 0202 B93

ABB ABB STOTZ-KONTAKT	SZ-KZS/7				ABB ABB STOTZ-KONTAKT
	81	82	83	84	
	85	86	87	88	
	89	90	91	92	
	93	94	95	96	
	97	98	99	100	
	101	102	103	104	
	105	106	107	108	
ABB ABB STOTZ-KONTAKT	109	110	111	112	SZ-KZS/8
	113	114	115	116	
	117	118	119	120	

SK 0164 Z 93

ABB ABB STOTZ-KONTAKT	SZ-KZS/9	121	122	123	124
		125	126	127	128
		129	130	131	132
		133	134	135	136
		137	138	139	140
		141	142	143	144
		145	146	147	148
		149	150	151	152
		153	154	155	156
		157	158	159	160

SK 0165 Z 93

ABB	SZ-KZS/11	ABB STÖTZ-KONTAKT	
161	162	163	164
165	166	167	168
169	170	171	172
173	174	175	176
177	178	179	180
ABB	SZ-KZS/12	ABB STÖTZ-KONTAKT	

SK 0166 Z 93

^① bbn-No. 40 12233



6321...



6322...



6323...



6326...



20 EUCKST-71



20 EUJKST



6332-24G



6324...



6325...



6327...



6115...



6116...



6117...



6132-20



6133...



6134...



6135...



6136...



6020...



6021...

Busch-triton® and impuls – Aesthetics in harmony.

To allow combination with the *impuls* switch series, the innovative Busch-triton® wallmounted, momentary-contact switch is available in the following colours:



Alpine White



Light Grey



Champagne Metallic



Brilliant Black



Cobalt Blue

Busch-triton® and alpha nea® – a classy combination.

Appropriate colours and surfaces can be chosen for combination with the entire range of switches in the *alpha nea*® series:



Studio White, matt



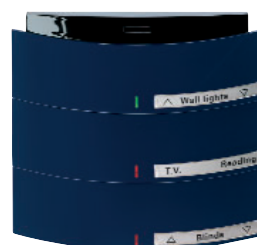
Studio White, high gloss



Platinum



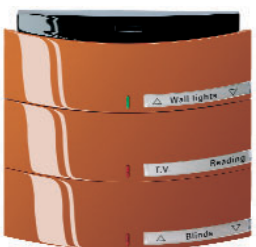
Bronze



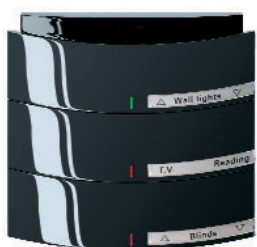
Hansa Blue

Busch-triton® and alpha exclusive® – the new elements:

Appropriate colours and surfaces can be chosen for combination with the entire range of switches in the *alpha exclusive*® series:



Bernstein



Obsidian



Palladium



Titan

Selection Table according to Order Code

Order Code	Type	Description	EAN	Page
1710-0-3406	1746 ZRKT-20	Intermediate Ring, platinum	40 11395 01283 3	38
1710-0-3407	1746 ZRKT-21	Intermediate Ring, bronze	40 11395 01285 7	38
1710-0-3408	1746 ZRKT-24	Intermediate Ring, studio white matt	40 11395 01287 1	38
1710-0-3409	1746 ZRKT-24G	Intermediate Ring, studio white high gloss	40 11395 01289 5	38
1710-0-3412	1746 ZRKT-28	Intermediate Ring, hansa blue	40 11395 01294 9	38
1710-0-3413	1746 ZRKT-70	Intermediate Ring, cobalt blue	40 11395 01296 3	38
1710-0-3414	1746 ZRKT-71	Intermediate Ring, brilliant black	40 11395 01298 7	38
1710-0-3415	1746 ZRKT-74	Intermediate Ring, alpine white	40 11395 01299 4	38
1710-0-3416	1746 ZRKT-76	Intermediate Ring, light grey	40 11395 01301 4	38
1710-0-3418	1746 ZRKT-79	Intermediate Ring, champagne metallic	40 11395 01304 5	38
1710-0-3515	1746 ZRKT-266	Intermediate Ring, titan	40 11395 03327 2	38
1710-0-3516	1746 ZRKT-260	Intermediate Ring, palladium	40 11395 03329 6	38
1710-0-3517	1746 ZRKT-255	Intermediate Ring, obsidian	40 11395 03331 9	38
1710-0-3518	1746 ZRKT-233	Intermediate Ring, bernstein	40 11395 03333 3	38
2013-0-5256	20 EUJKST-24G	Socket Outlet Busch-triton, studio white high gloss	40 11395 01306 9	38
2013-0-5257	20 EUJKST-74	Socket Outlet Busch-triton, alpine white	40 11395 01308 3	38
2013-0-5258	20 EUJKST-71	Socket Outlet Busch-triton, brilliant black	40 11395 01310 6	38
6020-0-0036	6020-20	IR Wall Mounted Transmitter, FM, platinum	40 11395 32630 5	40
6020-0-0044	6020-21	IR Wall Mounted Transmitter, FM, bronze	40 11395 32640 4	40
6020-0-0754	6021-20	IR Wall Mounted Transmitter, 1-channel, FM, platinum	40 11395 73250 2	41
6020-0-0762	6021-21	IR Wall Mounted Transmitter, 1-channel, FM, bronze	40 11395 73370 7	41
6020-0-0879	6021-28	IR Wall Mounted Transmitter, 1-channel, FM, hansa blue	40 11395 73450 6	41
6020-0-1018	6020-28	IR Wall Mounted Transmitter, FM, hansa blue	40 11395 74820 6	40
6020-0-1133	6010-25-500	IR Hand Held Transmitter	40 11395 93850 8	41
6020-0-1281	6020-24-500	IR Wall Mounted Transmitter, FM, studio white matt	40 11395 96630 3	40
6020-0-1299	6020-24G-500	IR Wall Mounted Transmitter, FM, studio white high gloss	40 11395 96640 2	40
6020-0-1307	6021-24G-500	IR Wall Mounted Transmitter, 1-channel, FM, studio white high gloss	40 11395 96650 1	41
6020-0-1315	6021-24-500	IR Wall Mounted Transmitter, 1-channel, FM, studio white matt	40 11395 96660 0	41
6102-0-0002	6100-500	TP Console EIB	40 11395 99182 4	32
6115-0-0128	6115-20-101	Switch Sensor, 1-fold, FM, platinum	40 11395 97242 7	39
6115-0-0129	6115-21-101	Switch Sensor, 1-fold, FM, bronze	40 11395 97244 1	39
6115-0-0131	6115-24G-101	Switch Sensor, 1-fold, FM, studio white high gloss	40 11395 97247 2	39
6115-0-0134	6115-28-101	Switch Sensor, 1-fold, FM, hansa blue	40 11395 97252 6	39
6115-0-0135	6115-24-101-500	Switch Sensor, 1-fold, FM, studio white matt	40 11395 97253 3	39
6115-0-0138	6115-22G-101	Switch Sensor, 1-fold, FM, ivory	40 11395 01621 3	39
6115-0-0139	6115-233-101	Switch Sensor, 1-fold, FM, bernstein	40 11395 01623 7	39
6115-0-0140	6115-255-101	Switch Sensor, 1-fold, FM, obsidian	40 11395 01625 1	39
6115-0-0141	6115-260-101	Switch Sensor, 1-fold, FM, palladium	40 11395 01627 5	39
6115-0-0142	6115-266-101	Switch Sensor, 1-fold, FM, titan	40 11395 01629 9	39
6116-0-0118	6116-20-101	Switch Sensor, 2-fold, FM, platinum	40 11395 97227 4	39
6116-0-0119	6116-21-101	Switch Sensor, 2-fold, FM, bronze	40 11395 97228 1	39
6116-0-0121	6116-24G-101	Switch Sensor, 2-fold, FM, studio white high gloss	40 11395 97232 8	39
6116-0-0124	6116-28-101	Switch Sensor, 2-fold, FM, hansa blue	40 11395 97238 0	39
6116-0-0125	6116-24-101-500	Switch Sensor, 2-fold, FM, studio white matt	40 11395 97240 3	39
6116-0-0128	6116-22G-101	Switch Sensor, 2-fold, FM, ivory	40 11395 01830 9	39
6116-0-0129	6116-233-101	Switch Sensor, 2-fold, FM, bernstein	40 11395 01632 9	39
6116-0-0130	6116-255-101	Switch Sensor, 2-fold, FM, obsidian	40 11395 01634 3	39
6116-0-0131	6116-260-101	Switch Sensor, 2-fold, FM, palladium	40 11395 01636 7	39
6116-0-0132	6116-266-101	Switch Sensor, 2-fold, FM, titan	40 11395 01638 1	39
6117-0-0116	6117-20-101	Switch Sensor, 4-fold, FM, platinum	40 11395 97213 7	39
6117-0-0117	6117-21-101	Switch Sensor, 4-fold, FM, bronze	40 11395 97215 1	39
6117-0-0119	6117-24G-101	Switch Sensor, 4-fold, FM, studio white high gloss	40 11395 97219 9	39
6117-0-0122	6117-28-101	Switch Sensor, 4-fold, FM, hansa blue	40 11395 97223 6	39
6117-0-0123	6117-24-101-500	Switch Sensor, 4-fold, FM, studio white matt	40 11395 97225 0	39
6117-0-0127	6117-22G-101	Switch Sensor, 4-fold, FM, ivory	40 11395 01832 3	39
6117-0-0128	6117-233-101	Switch Sensor, 4-fold, FM, bernstein	40 11395 01642 8	39
6117-0-0129	6117-255-101	Switch Sensor, 4-fold, FM, obsidian	40 11395 01644 2	39
6117-0-0130	6117-260-101	Switch Sensor, 4-fold, FM, palladium	40 11395 01646 6	39
6117-0-0131	6117-266-101	Switch Sensor, 4-fold, FM, titan	40 11395 01648 0	39
6120-0-0063	6120 U-101-500	Bus Coupler, FM	40 11395 03097 4	12, 34
6132-0-0105	6132-20-102	Watchdog Sensor, FM, platinum	40 11395 98793 3	25
6132-0-0107	6132-70-102	Watchdog Sensor, FM, cobalt blue	40 11395 98806 0	25
6132-0-0110	6132-24G-102M	Watchdog Sensor with Multilense, FM, studio white high gloss	40 11395 98787 2	25
6132-0-0111	6132-74-102M	Watchdog Sensor with Multilense, FM, alpine white	40 11395 98789 6	25
6132-0-0112	6132-24-102M-500	Watchdog Sensor with Multilense, FM, studio white matt	40 11395 98791 9	25
6132-0-0113	6132-21-102	Watchdog Sensor, FM, bronze	40 11395 98795 7	25
6132-0-0115	6132-24G-102	Watchdog Sensor, FM, studio white high gloss	40 11395 98799 5	25
6132-0-0118	6132-28-102	Watchdog Sensor, FM, hansa blue	40 11395 98804 6	25
6132-0-0119	6132-71-102	Watchdog Sensor, FM, brilliant black	40 11395 98808 4	25
6132-0-0120	6132-74-102	Watchdog Sensor, FM, alpine white	40 11395 98810 7	25
6132-0-0121	6132-76-102	Watchdog Sensor, FM, light grey	40 11395 98812 1	25
6132-0-0123	6132-79-102	Watchdog Sensor, FM, champagne metallic	40 11395 98816 9	25

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Order Code	Type	Description	EAN	Page
6132-0-0124	6132-24-102-500	Watchdog Sensor, FM, studio white matt	40 11395 98818 3	25
6132-0-0126	6176/01AGM-204-500	Watchdog-Sensor 220 HGL Master, SM	40 11395 00491 3	25
6132-0-0131	6132-22G-102	Watchdog Sensor, FM, ivory	40 11395 01833 0	25
6132-0-0132	6132-233-102	Watchdog Sensor, FM, bernstein	40 11395 01652 7	25
6132-0-0133	6132-255-102	Watchdog Sensor, FM, obsidian	40 11395 01654 1	25
6132-0-0134	6132-260-102	Watchdog Sensor, FM, palladium	40 11395 01656 5	25
6132-0-0135	6132-266-102	Watchdog Sensor, FM, titan	40 11395 01658 9	25
6132-0-0137	6131-74-101-500	EIB Presence Detector	40 11395 02352 5	24, 29
6133-0-0011	6133-20	Interface RS 232, FM, platinum	40 11395 52490 9	12
6133-0-0029	6133-21	Interface RS 232, FM, bronze	40 11395 52520 3	12
6133-0-0052	6133-24-500	Interface RS 232, FM, studio white matt	40 11395 60150 1	12
6133-0-0102	6133-24G	Interface RS 232, FM, studio white high gloss	40 11395 75040 7	12
6133-0-0128	6133-28	Interface RS 232, FM, hansa blue	40 11395 75060 5	12
6133-0-0138	6133-22G	Interface RS 232, FM, ivory	40 11395 01834 7	12
6133-0-0139	6133-233	Interface RS 232, FM, bernstein	40 11395 01661 9	12
6133-0-0140	6133-255	Interface RS 232, FM, obsidian	40 11395 01663 3	12
6133-0-0141	6133-260	Interface RS 232, FM, palladium	40 11395 01665 7	12
6133-0-0142	6133-266	Interface RS 232, FM, titan	40 11395 01667 1	12
6134-0-0135	6134-20-102	Room Thermostat, FM, platinum	40 11395 00159 2	27
6134-0-0136	6134-21-102	Room Thermostat, FM, bronze	40 11395 00161 5	27
6134-0-0138	6134-24G-102	Room Thermostat, FM, studio white high gloss	40 11395 00163 9	27
6134-0-0141	6134-28-102	Room Thermostat, FM, hansa blue	40 11395 00166 0	27
6134-0-0142	6134-24-102-500	Room Thermostat, FM, studio white matt	40 11395 00167 7	27
6134-0-0143	6134-22G-102	Room Thermostat, FM, ivory	40 11395 01669 5	27
6134-0-0144	6134-233-102	Room Thermostat, FM, bernstein	40 11395 01670 1	27
6134-0-0145	6134-255-102	Room Thermostat, FM, obsidian	40 11395 01672 5	27
6134-0-0146	6134-260-102	Room Thermostat, FM, palladium	40 11395 01674 9	27
6134-0-0147	6134-266-102	Room Thermostat, FM, titan	40 11395 01676 3	27
6134-0-0149	6134/10	Room Thermostat, Commercial, FM	40 11395 02413 3	28
6135-0-0024	6135-20	Infrared Interface, FM, platinum	40 11395 57100 2	40
6135-0-0032	6135-21	Infrared Interface, FM, bronze	40 11395 57160 6	40
6135-0-0065	6135-24-500	Infrared Interface, FM, studio white matt	40 11395 60540 0	40
6135-0-0073	6135-24G	Infrared Interface, FM, studio white high gloss	40 11395 75010 0	40
6135-0-0099	6135-28	Infrared Interface, FM, hansa blue	40 11395 75030 8	40
6135-0-0111	6135-22G	Infrared Interface, FM, ivory	40 11395 02233 7	40
6135-0-0112	6135-233	Infrared Interface, FM, bernstein	40 11395 02235 1	40
6135-0-0113	6135-255	Infrared Interface, FM, obsidian	40 11395 02237 5	40
6135-0-0114	6135-260	Infrared Interface, FM, palladium	40 11395 02239 9	40
6135-0-0115	6135-266	Infrared Interface, FM, titan	40 11395 02241 2	40
6136-0-0022	6136-20	LCD Display, FM, platinum	40 11395 69140 3	32, 40
6136-0-0030	6136-21	LCD Display, FM, bronze	40 11395 77150 1	32, 40
6136-0-0055	6136-24G	LCD Display, FM, studio white high gloss	40 11395 77160 0	32, 40
6136-0-0089	6136-28	LCD Display, FM, hansa blue	40 11395 77190 7	32, 40
6136-0-0097	6136-24-500	LCD Display, FM, studio white matt	40 11395 77200 3	32, 40
6136-0-0111	6136-22G	LCD Display, FM, ivory	40 11395 01692 3	32, 40
6136-0-0112	6136-233	LCD Display, FM, bernstein	40 11395 01694 7	32, 40
6136-0-0113	6136-255	LCD Display, FM, obsidian	40 11395 01695 4	32, 40
6136-0-0114	6136-260	LCD Display, FM, palladium	40 11395 01697 8	32, 40
6136-0-0115	6136-266	LCD Display, FM, titan	40 11395 01699 2	32, 40
6151-0-0021	6151 EB-500	Switch Actuator, 1-fold, 10 A, LF	40 11395 60510 3	19
6151-0-0138	6173 AG-101-500	Combi Actuator, SM	40 11395 91410 6	19, 21
6151-0-0153	6172 AG-101-500	Switch Actuator, 2-fold / Shutter Actuator, 1-fold, 10 A, SM	40 11395 91390 1	19, 21
6151-0-0162	6110 U-500	Switch Actuator / Sensor, 1-fold, 6 A, FM	40 11395 00061 8	19, 34
6151-0-0168	6164 U-500	Heating Actuator, 1-fold, FM	40 11395 99041 4	26
6151-0-0169	6164/10	Thermoelectric Valve Drive, 230 V	40 11395 99184 8	26
6151-0-0170	6164/20	Valve Adapter VA 80	40 11395 99186 2	26
6151-0-0171	6164/21	Valve Adapter VA 50	40 11395 99187 9	26
6151-0-0172	6164/22	Valve Adapter VA 78	40 11395 99189 3	26
6151-0-0173	6164/23	Valve Adapter VA 02	40 11395 99193 0	26
6151-0-0174	6164/11	Thermoelectric Valve Drive, 24 V	40 11395 00453 1	26
6151-0-0177	6114 U-500	Switch/Dim Actuator / Sensor, 1-fold, 10 A, FM	40 11395 02356 3	24
6152-0-0029	6152 EB-101-500	Switch Actuator, 2-fold / Shutter Actuator, 1-fold, 10 A, LF	40 11395 60480 9	19, 21
6153-0-0027	6153 EB-500	Switch/Dim Actuator, 1-fold, 10 A, LF	40 11395 60490 8	22
6155-0-0062	6155 EB-101-500	Universal Dim Actuator, 1-fold, 400 VA, LF	40 11395 74100 9	22
6156-0-0020	6156 EB-500	Binary Input, 4-fold, 230 V AC, LF	40 11395 66050 8	16
6156-0-0056	6109 U-500	Binary Input, 5-fold, FM	40 11395 02411 9	28, 34
6157-0-0028	6157 EB-500	Analogue Input, 4-fold, LF	40 11395 66070 6	16
6158-0-0026	6158 EB-500	Binary Input, 4-fold, 24 V AC/DC, LF	40 11395 66060 7	16
6198-0-0022	6198-500	Logic Unit, MDRC	40 11395 66090 4	30
6198-0-0098	6197/11-101-500	Control Unit for Universal Dimmer, 2-fold, MDRC	40 11395 96903 8	23
6300-0-0305	6321-70	Busch-triton Switch Sensor, 1-fold, FM, cobalt blue	40 11395 85980 3	35
6300-0-0313	6321-74	Busch-triton Switch Sensor, 1-fold, FM, alpine white	40 11395 85990 2	35

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Order Code	Type	Description	EAN	Page
6300-0-0321	6321-76	Busch-triton Switch Sensor, 1-fold, FM, light grey	40 11395 86000 7	35
6300-0-0404	6324-70	Busch-triton Switch Sensor, 5-fold, FM, cobalt blue	40 11395 85450 1	37
6300-0-0412	6324-74	Busch-triton Switch Sensor, 5-fold, FM, alpine white	40 11395 85470 9	37
6300-0-0420	6324-76	Busch-triton Switch Sensor, 5-fold, FM, light grey	40 11395 85480 8	37
6300-0-0453	6323-70	Busch-triton Switch Sensor, 3-fold, with Display, FM, cobalt blue	40 11395 85520 1	36
6300-0-0461	6323-74	Busch-triton Switch Sensor, 3-fold, with Display, FM, alpine white	40 11395 85530 0	36
6300-0-0479	6323-76	Busch-triton Switch Sensor, 3-fold, with Display, FM, light grey	40 11395 85540 9	36
6300-0-0503	6325-70	Busch-triton Switch Sensor, 5-fold, with Display, FM, cobalt blue	40 11395 85570 6	37
6300-0-0511	6325-74	Busch-triton Switch Sensor, 5-fold, with Display, FM, alpine white	40 11395 85580 5	37
6300-0-0529	6325-76	Busch-triton Switch Sensor, 5-fold, with Display, FM, light grey	40 11395 85590 4	37
6300-0-0560	6321-71	Busch-triton Switch Sensor, 1-fold, FM, brilliant black	40 11395 87870 5	35
6300-0-0578	6324-71	Busch-triton Switch Sensor, 5-fold, FM, brilliant black	40 11395 87880 4	37
6300-0-0586	6323-71	Busch-triton Switch Sensor, 3-fold, with Display, FM, brilliant black	40 11395 87890 3	36
6300-0-0594	6325-71	Busch-triton Switch Sensor, 5-fold, with Display, FM, brilliant black	40 11395 87900 9	37
6300-0-0800	6324-20	Busch-triton Switch Sensor, 5-fold, FM, platinum	40 11395 90950 8	37
6300-0-0818	6324-21	Busch-triton Switch Sensor, 5-fold, FM, bronze	40 11395 90960 7	37
6300-0-0826	6324-24	Busch-triton Switch Sensor, 5-fold, FM, studio white matt	40 11395 90970 6	37
6300-0-0834	6324-24G	Busch-triton Switch Sensor, 5-fold, FM, studio white high gloss	40 11395 90980 5	37
6300-0-0859	6324-28	Busch-triton Switch Sensor, 5-fold, FM, hansa blue	40 11395 91000 9	37
6300-0-0875	6324-79	Busch-triton Switch Sensor, 5-fold, FM, champagne metallic	40 11395 91020 7	37
6300-0-0883	6321-20	Busch-triton Switch Sensor, 1-fold, FM, platinum	40 11395 90850 1	35
6300-0-0891	6321-21	Busch-triton Switch Sensor, 1-fold, FM, bronze	40 11395 90860 0	35
6300-0-0909	6321-24	Busch-triton Switch Sensor, 1-fold, FM, studio white matt	40 11395 90870 9	35
6300-0-0917	6321-24G	Busch-triton Switch Sensor, 1-fold, FM, studio white high gloss	40 11395 90880 8	35
6300-0-0933	6321-28	Busch-triton Switch Sensor, 1-fold, FM, hansa blue	40 11395 90900 3	35
6300-0-0941	6321-79	Busch-triton Switch Sensor, 1-fold, FM, champagne metallic	40 11395 90910 2	35
6300-0-0958	6323-20	Busch-triton Switch Sensor, 3-fold, with Display, FM, platinum	40 11395 91460 1	36
6300-0-0966	6323-21	Busch-triton Switch Sensor, 3-fold, with Display, FM, bronze	40 11395 91470 0	36
6300-0-0974	6323-24	Busch-triton Switch Sensor, 3-fold, with Display, FM, studio white matt	40 11395 91480 9	36
6300-0-0982	6323-24G	Busch-triton Switch Sensor, 3-fold, with Display, FM, studio white high gloss	40 11395 91490 8	36
6300-0-1006	6323-28	Busch-triton Switch Sensor, 3-fold, with Display, FM, hansa blue	40 11395 91510 3	36
6300-0-1014	6322-20-101	Busch-triton Switch Sensor, 3-fold, FM, platinum	40 11395 94400 4	35
6300-0-1022	6323-79	Busch-triton Switch Sensor, 3-fold, with Display, FM, champagne metallic	40 11395 91530 1	36
6300-0-1030	6325-20	Busch-triton Switch Sensor, 5-fold, with Display, FM, platinum	40 11395 91540 0	37
6300-0-1048	6325-21	Busch-triton Switch Sensor, 5-fold, with Display, FM, bronze	40 11395 91550 9	37
6300-0-1055	6325-24	Busch-triton Switch Sensor, 5-fold, with Display, FM, studio white matt	40 11395 91560 8	37
6300-0-1063	6325-24G	Busch-triton Switch Sensor, 5-fold, with Display, FM, studio white high gloss	40 11395 91570 7	37
6300-0-1089	6325-28	Busch-triton Switch Sensor, 5-fold, with Display, FM, hansa blue	40 11395 91590 5	37
6300-0-1097	6322-21-101	Busch-triton Switch Sensor, 3-fold, FM, bronze	40 11395 94410 3	35
6300-0-1105	6325-79	Busch-triton Switch Sensor, 5-fold, with Display, FM, champagne metallic	40 11395 91610 0	37
6300-0-1113	6322-24-101	Busch-triton Switch Sensor, 3-fold, FM, studio white matt	40 11395 94420 2	35
6300-0-1121	6322-24G-101	Busch-triton Switch Sensor, 3-fold, FM, studio white high gloss	40 11395 94430 1	35
6300-0-1154	6322-28-101	Busch-triton Switch Sensor, 3-fold, FM, hansa blue	40 11395 94470 7	35
6300-0-1162	6322-71-101	Busch-triton Switch Sensor, 3-fold, FM, brilliant black	40 11395 94480 6	35
6300-0-1170	6322-70-101	Busch-triton Switch Sensor, 3-fold, FM, cobalt blue	40 11395 94490 5	35
6300-0-1188	6322-74-101	Busch-triton Switch Sensor, 3-fold, FM, alpine white	40 11395 94500 1	35
6300-0-1196	6322-76-101	Busch-triton Switch Sensor, 3-fold, FM, light grey	40 11395 94510 0	35
6300-0-1212	6322-79-101	Busch-triton Switch Sensor, 3-fold, FM, champagne metallic	40 11395 94530 8	35
6300-0-1215	6326-20-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, platinum	40 11395 98557 1	27, 36
6300-0-1216	6326-21-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, bronze	40 11395 98559 5	27, 36
6300-0-1217	6326-24-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, studio white matt	40 11395 98560 1	27, 36
6300-0-1218	6326-24G-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, studio white high gloss	40 11395 98562 5	27, 36
6300-0-1221	6326-28-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, hansa blue	40 11395 98567 0	27, 36
6300-0-1222	6326-70-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, cobalt blue	40 11395 98569 4	27, 36
6300-0-1223	6326-71-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, brilliant black	40 11395 98571 7	27, 36
6300-0-1224	6326-74-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, alpine white	40 11395 98573 1	27, 36
6300-0-1225	6326-76-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, light grey	40 11395 98574 8	27, 36
6300-0-1227	6326-79-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, champagne metallic	40 11395 98578 6	27, 36
6300-0-1228	6327-20	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, platinum	40 11395 98924 1	27, 38
6300-0-1229	6327-21	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, bronze	40 11395 98926 5	27, 38
6300-0-1230	6327-24	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, studio white matt	40 11395 98928 9	27, 38
6300-0-1231	6327-24G	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, studio white high gloss	40 11395 98930 2	27, 38
6300-0-1234	6327-28	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, hansa blue	40 11395 98936 4	27, 38
6300-0-1235	6327-70	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, cobalt blue	40 11395 98938 8	27, 38
6300-0-1236	6327-71	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, brilliant black	40 11395 98941 8	27, 38
6300-0-1237	6327-74	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, alpine white	40 11395 98942 5	27, 38
6300-0-1238	6327-76	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, light grey	40 11395 98943 2	27, 38
6300-0-1240	6327-79	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, champagne metallic	40 11395 98947 0	27, 38
6300-0-1249	6332-24G	Busch-triton Switch Sensor, 3-fold, with socket outlet, FM, studio white high gloss	40 11395 01311 3	35
6300-0-1250	6332-74	Busch-triton Switch Sensor, 3-fold, with socket outlet, FM, alpine white	40 11395 01313 7	35
6300-0-1251	6321-266	Busch-triton Switch Sensor, 1-fold, FM, titan	40 11395 03022 6	35
6300-0-1252	6321-260	Busch-triton Switch Sensor, 1-fold, FM, palladium	40 11395 03024 0	35

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Order Code	Type	Description	EAN	Page
6300-0-1253	6321-255	Busch-triton Switch Sensor, 1-fold, FM, obsidian	40 11395 03026 4	35
6300-0-1254	6321-233	Busch-triton Switch Sensor, 1-fold, FM, bernstein	40 11395 03028 8	35
6300-0-1256	6322-266-101	Busch-triton Switch Sensor, 3-fold, FM, titan	40 11395 03032 5	35
6300-0-1257	6322-260-101	Busch-triton Switch Sensor, 3-fold, FM, palladium	40 11395 03034 9	35
6300-0-1258	6322-255-101	Busch-triton Switch Sensor, 3-fold, FM, obsidian	40 11395 03036 3	35
6300-0-1259	6322-233-101	Busch-triton Switch Sensor, 3-fold, FM, bernstein	40 11395 03038 7	35
6300-0-1261	6323-266	Busch-triton Switch Sensor, 3-fold, with Display, FM, titan	40 11395 03042 4	36
6300-0-1262	6323-260	Busch-triton Switch Sensor, 3-fold, with Display, FM, palladium	40 11395 03044 8	36
6300-0-1263	6323-255	Busch-triton Switch Sensor, 3-fold, with Display, FM, obsidian	40 11395 03046 2	36
6300-0-1264	6323-233	Busch-triton Switch Sensor, 3-fold, with Display, FM, bernstein	40 11395 03048 6	36
6300-0-1266	6324-266	Busch-triton Switch Sensor, 5-fold, FM, titan	40 11395 03052 3	37
6300-0-1267	6324-260	Busch-triton Switch Sensor, 5-fold, FM, palladium	40 11395 03054 7	37
6300-0-1268	6324-255	Busch-triton Switch Sensor, 5-fold, FM, obsidian	40 11395 03056 1	37
6300-0-1269	6324-233	Busch-triton Switch Sensor, 5-fold, FM, bernstein	40 11395 03058 5	37
6300-0-1271	6325-266	Busch-triton Switch Sensor, 5-fold, with Display, FM, titan	40 11395 030622	37
6300-0-1272	6325-260	Busch-triton Switch Sensor, 5-fold, with Display, FM, palladium	40 11395 03064 6	37
6300-0-1273	6325-255	Busch-triton Switch Sensor, 5-fold, with Display, FM, obsidian	40 11395 03066 0	37
6300-0-1274	6325-233	Busch-triton Switch Sensor, 5-fold, with Display, FM, bernstein	40 11395 03068 4	37
6300-0-1276	6326-266-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, titan	40 11395 03073 8	27, 36
6300-0-1277	6326-260-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, palladium	40 11395 03076 9	27, 36
6300-0-1278	6326-255-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, obsidian	40 11395 03078 3	27, 36
6300-0-1279	6326-233-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, bernstein	40 11395 03123 0	27, 36
6300-0-1281	6327-266	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, titan	40 11395 03084 4	27, 38
6300-0-1282	6327-260	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, palladium	40 11395 03087 5	27, 38
6300-0-1283	6327-255	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, obsidian	40 11395 03089 9	27, 38
6300-0-1284	6327-233	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, bernstein	40 11395 03091 2	27, 38
6300-0-1286	20 EUCKST-71	Combination Socket Outlet	40 11395 03576 4	38
6590-0-0151	6594-102-500	Extension for Universal Dimmer, 420 VA, MDRC	40 11395 98878 7	23
6590-0-0161	6593-102-500	Universal Dimmer, 500 VA, MDRC	40 11395 01394 6	23
6599-0-0195	2114-214	Cover Plate for Room Thermostat, Commercial, alpine white (SI-series)	40 11395 37520 4	28
6599-0-1193	2114-212	Cover Plate for Room Thermostat, Commercial, white (SI-series)	40 11395 37870 0	28
6599-0-1557	6541-24	Cover Plate for Room Thermostat, Commercial, studio white matt	40 11395 38180 9	28
6599-0-2076	6541-74	Cover Plate for Room Thermostat, Commercial, alpine white	40 11395 54180 7	28
6599-0-2142	6541-79	Cover Plate for Room Thermostat, Commercial, champagne metallic	40 11395 55810 2	28
6599-0-2332	6541-24G	Cover Plate for Room Thermostat, Commercial, studio white, high gloss	40 11395 70860 6	28
6599-0-2357	6541-28	Cover Plate for Room Thermostat, Commercial, hansa blue	40 11395 70880 4	28
6599-0-2639	6541-70	Cover Plate for Room Thermostat, Commercial, cobalt blue	40 11395 82860 1	28
6599-0-2647	6541-71	Cover Plate for Room Thermostat, Commercial, brilliant black	40 11395 82870 0	28
6599-0-2654	6541-76	Cover Plate for Room Thermostat, Commercial, light grey	40 11395 82880 9	28
6599-0-2795	6541-22G	Cover Plate for Room Thermostat, Commercial, ivory	40 11395 91730 5	28
6599-0-2832	6541-82	Cover Plate for Room Thermostat, Commercial, savanne/ivory	40 11395 99569 3	28
6599-0-2835	6541-84	Cover Plate for Room Thermostat, Commercial, davos/studio white	40 11395 99663 8	28
6599-0-2838	6541-85	Cover Plate for Room Thermostat, Commercial, manhattan/graphite	40 11395 99753 6	28
6599-0-2841	6541-86	Cover Plate for Room Thermostat, Commercial, samoa/light green	40 11395 99839 7	28
6599-0-2844	6541-87	Cover Plate for Room Thermostat, Commercial, toscana/crimson	40 11395 99917 2	28
6599-0-2847	6541-88	Cover Plate for Room Thermostat, Commercial, attica/deaf-blue	40 11395 99997 4	28
6599-0-2859	6541-233	Cover Plate for Room Thermostat, Commercial, bernstein	40 11395 00717 4	28
6599-0-2862	6541-255	Cover Plate for Room Thermostat, Commercial, obsidian	40 11395 00795 2	28
6599-0-2866	6541-89	Cover Plate for Room Thermostat, Commercial, stone/light grey	40 11395 01806 4	28
6899-0-0282	6885-500	Surface Mounting Base for Presence Detector	40 11395 00468 5	25, 29
GH Q305 0008 R0001	SGL	Gas Detector	40 13232 53313 3	45
GH Q305 0001 R0001	B412NL	Detector Base	40 16779 51682 2	45
GH Q305 0017 R0001	SSF/GB	Combination Signalling Device	40 16779 53447 3	46
GH Q320 1972 R0001	MRS/W	Magnet Reed Contact Set, white	40 16779 50660 1	43
GH Q320 1972 R0002	MRS/B	Magnet Reed Contact Set, brown	40 16779 50659 5	43
GH Q320 1972 R0011	VMRS/W	Magnet Reed Contact Saver Set, white	40 16779 50658 8	43
GH Q320 1972 R0012	VMRS/B	Magnet Reed Contact Saver Set, brown	40 16779 50657 1	43
GH Q400 1906 R0001	LKS	Loctite Adhesive	40 13232 39280 1	44
GH Q403 0001 R0004	SWM4	Water Detector	40 13232 05740 3	45
GH Q600 1926 R0001	DS/E 214	Data Rail, 214 mm	40 12233 80190 9	13
GH Q600 1926 R0002	DS/E 243	Data Rail, 243 mm	40 12233 80200 5	13
GH Q600 1926 R0003	DS/E 277	Data Rail, 277 mm	40 12233 80210 4	13
GH Q600 1927 R0001	ABDECK	Cover Strip	40 12233 80220 3	13
GH Q600 1942 R0001	PS/E 1.1	Programming Set	40 16779 50104 0	31
GH Q600 1943 R0001	PK/E 1.1	Memory Card	40 16779 50105 7	31
GH Q605 0010 R0001	ET/S 4.230	Binary Input, 4-fold, 230 V, MDRC	40 12233 80250 0	15
GH Q605 0012 R0001	DR/S 2.2	Choke, MDRC	40 12233 80170 1	11
GH Q605 0017 R0002	VB/S 2.2.2	Connector, 2-pole, MDRC	40 16779 50642 7	13
GH Q605 0019 R0001	LK/S 2.1	Line Coupler, MDRC	40 12233 80460 3	12
GH Q605 0024 R0001	VB/S 4.4	Connector, 4-pole, MDRC	40 16779 07950 1	13
GH Q605 0025 R0002	TS/U 4.2	Push Button Interface, 4-fold, FM	40 16779 50641 0	16, 34
GH Q605 0031 R0021	FA/A 2.1	Antenna for Radio Time Switch, SM	40 16779 51237 4	31

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GH Q605 0032 R0001	DM/S 1.1	Twilight Switch, 1-channel, MDRC	40 16779 15210 5	24
GH Q605 0050 R0001	SL/E 50.1	Control Unit for LUXCONTROL, LF	40 16779 36570 3	23
GH Q605 0051 R0001	SL/S 50.1	Control Unit for LUXCONTROL, MDRC	40 16779 36580 2	23
GH Q605 0053 R0001	LL/S 1.1	Optical Fibre Interface, MDRC	40 16779 39210 5	12
GH Q605 0054 R0001	AE/S 4.1	Analogue Input, 4-fold, MDRC	40 16779 40410 5	16
GH Q605 0055 R0001	AA/S 2.1	Analogue Actuator, 2-fold, MDRC	40 16779 40420 4	19
GH Q605 0056 R0002	NT/S 12.1600	Power Supply, 12 VDC, 1.6 A, MDRC	40 16779 51467 5	11
GH Q605 0057 R0002	NT/S 24.800	Power Supply, 24 VDC, 0.8 A, MDRC	40 16779 51468 2	11
GH Q605 0060 R0001	FW/S 4.5	Radio Time Switch, 4-channel, MDRC	40 16779 50093 7	31
GH Q605 0061 R0001	SW/S 4.5	Time Switch, 4-channel, MDRC	40 16779 50096 8	31
GH Q605 0062 R0001	SW/S 2.5	Time Switch, 2-channel, MDRC	40 16779 50067 5	31
GH Q605 0063 R0001	HS/S 3.1	Brightness Sensor, 3-channel, MDRC	40 16779 50098 2	24
GH Q605 0064 R0001	IN/S 1.1	Internet Gateway, ISDN	40 16779 55311 7	33
GH Q605 0065 R0001	IN/S 2.1	Internet Gateway, analog	40 16779 55312 4	33
GH Q605 0066 R0001	VM/S 1.1	Video Module	40 16779 55313 1	33
GH Q630 1901 R0001	BUSKLEMME	Bus Connection Terminal	40 12233 80230 2	14
GH Q630 1902 R0001	KLEMME	Connection Terminal	40 16779 07930 3	14
GH Q630 1906 R0001	PAK V 1.6	Programming Software for the Application Controller	40 16779 12760 8	30
GH Q630 1906 R0010	PAK	Programming Software for the Application Controller, English		30
GH Q630 1908 R0001	VB/K 200.1	Wiring Jumper, horizontal, 200 mm	40 16779 46980 7	13
GH Q630 1908 R0002	VB/K 270.1	Wiring Jumper, vertical, 270 mm	40 16779 46990 6	13
GH Q630 1908 R0003	VB/K 100.1	Wiring Jumper, horizontal, 100 mm	40 16779 50103 3	13
GH Q630 1910 R0001	KS/K 4.1	Cable Set, Basic	40 16779 51725 6	10
GH Q630 1910 R0011	KS/K 2.1	Cable Set, Extension	40 16779 52893 1	10
GH Q631 0001 R0001	SV/S 30.640	EIB-Power Supply, 640 mA, MDRC	40 12233 98350 6	10
GH Q631 0004 R0111	AK/S 1.1	Application Controller, MDRC	40 16779 03960 4	30
GH Q631 0009 R0001	US/E 1	Surge Arrester	40 16779 00570 8	14
GH Q631 0010 R0001	LW/S 3.1	Light Level Sensor, 3-channel, MDRC	40 16779 13950 2	24
GH Q631 0013 R0111	DB/S 1.1	Diagnosis Unit, 2-pole, MDRC	40 16779 25370 3	13
GH Q631 0016 R0002	US/V 10.320.2	Uninterruptible Power Supply, 320 mA, MDRC	40 16779 50231 3	11
GH Q631 0021 R0111	AT/S 4.16.1	Switch Actuator, 4-fold, 16 A, MDRC	40 16779 25360 4	18
GH Q631 0022 R0111	JA/S 2.6.1	Shutter Actuator, 2-fold, 6 A, MDRC	40 16779 25870 8	21
GH Q631 0023 R0111	AT/S 6.6.1	Switch Actuator, 6-fold, 6 A, MDRC	40 16779 25880 7	18
GH Q631 0024 R0111	ET/S 6.230.1	Binary Input, 6-fold, 230 V, MDRC	40 16779 31120 5	15
GH Q631 0025 R0111	ET/S 6.24.1	Binary Input, 6-fold, 24 V, MDRC	40 16779 31130 4	15
GH Q631 0026 R0111	UK/S 32.1	Universal Concentrator, 32-fold, MDRC	40 16779 37870 3	32
GH Q631 0027 R0111	MT/S 4.12.1	Zone Terminal, 4-fold, MDRC	40 16779 37830 2	43
GH Q631 0028 R0111	AT/S 4.16.5	Switch Actuator, 4-fold, 16 A, C-Load, MDRC	40 16779 35650 3	18
GH Q631 0030 R0111	AB/S 1.1	Application Unit, MDRC	40 16779 39220 4	30
GH Q631 0031 R0111	US/U 4.1	Universal Interface, 4-fold, FM	40 16779 39980 7	16, 26, 34
GH Q631 0033 R0111	AT/S 4.6.2	Switch Actuator, 4-fold, 6 A, MDRC	40 16779 45570 1	18
GH Q631 0034 R0111	SM/S 3.16.30	Current Sensor, 3-channel, MDRC	40 16779 48040 6	43
GH Q631 0035 R0111	ET/S 6.24.5	Binary Input, 6-fold, Contact Scanning, MDRC	40 16779 48650 7	15
GH Q631 0036 R0111	LR/S 2.2.1	Light Controller / Switch/Dim Actuator, 2-fold, 16 A, MDRC	40 16779 49230 4	22
GH Q631 0037 R0111	JA/S 4.6.1	Shutter Actuator, 4-fold, 6 A, MDRC	40 16779 48970 6	21
GH Q631 0038 R0111	SV/S 30.320.5	EIB-Power Supply, 320 mA, MDRC	40 16779 49090 0	10
GH Q631 0039 R0111	LF/U 1.1	Light Sensor, FM	40 16779 49240 9	22
GH Q631 0040 R0111	JA/S 4.6.5	Shutter Actuator, 4-fold, 6 A, 24 VDC, MDRC	40 16779 48990 4	21
GH Q631 0041 R0111	AT/S 8.4.1	Switch Actuator, 8-fold, 4 A, MDRC	40 16779 49010 8	18
GH Q631 0042 R0111	AT/S 2.6.5	Switch Actuator, 2-fold, 6 A, MDRC	40 16779 49070 2	18
GH Q631 0043 R0111	EA/S 232.5	Interface RS 232, 2-fold, MDRC	40 16779 50405 8	12
GH Q631 0044 R0111	ER/U 1.1	Electronic Relay, 1-fold, FM	40 16779 49725 1	26
GH Q631 0045 R0111	UD/S 2.300.1	Universal Dim Actuator, 2-fold, 300 VA, MDRC	40 16779 50167 5	22
GH Q631 0047 R0111	AT/S 8.16.5	Switch Actuator, 8-fold, 16 A, C-Load, MDRC	40 16779 50837 7	18
GH Q631 0048 R0111	SV/S 30.640.5	EIB-Power Supply, 640 mA, MDRC	40 16779 51474 3	10
GH Q631 0049 R0111	SU/S 30.640	Uninterruptible EIB-Power Supply, 640 mA, MDRC	40 16779 51477 4	10
GH Q631 0060 R0111	MT/U 2.12.1	Zone Terminal, 2-fold, FM	40 16779 51380 7	43
GH Q631 0061 R0111	ES/S 4.1.1	Electronic Switch Actuator, 4-fold, 1 A ,MDRC	40 16779 51801 7	26
GH Q631 0062 R0111	AM/S 12.1	Battery Module, 12 VDC, MDRC	40 16779 51481 1	10
GH Q713 2443 R0003	EP	Spare Paper for Emergency Call Button	40 13232 04220 1	45
GH Q713 2443 R0004	NDA/W	Cover Plate	40 13232 616907	45
GH Q713 2443 R0011	ND/W	Emergency Call Button, SM	40 13232 02540 2	45
GH Q713 2443 R0021	NDU/W	Emergency Call Button, FM	40 13232 02550 1	45
GH Q924 0001 V0011	SAK7	Sealed Lead Acid Battery, 12 V, 7Ah	40 13232 74493 8	11
GH Q924 0001 V0012	SAK12	Sealed Lead Acid Battery, 12 V, 12 Ah	40 13232 74494 5	11
GH Q924 0001 V0013	SAK17	Sealed Lead Acid Battery, 12 V, 17Ah	40 13232 74495 2	11
GH S210 1945 R0002	ST	Label carrier, snap on	40 12233 13820 3	47
GH S210 1946 R0002	ST-E	Label, blank	40 12233 13830 2	47
GH S210 1946 R0003	ST-EN	Label, numbered 1 to 100	40 12233 64530 5	47
GH S210 1946 R0004	SZ-KZS	Degisnation plate, blank	40 16779 00850 1	47
GH S210 1946 R0005	SZ-KZS/1	Degisnation plate, numbered 1 - 40	40 16779 00860 0	47
GH S210 1946 R0006	SZ-KZS/2	Degisnation plate, numbered 41 - 80	40 16779 00870 9	47

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GH S210 1946 R0007	SZ-KZS/3	Degisnation plate, numbered 81 - 120	40 16779 00880 8	47
GH S210 1946 R0008	SZ-KZS/4	Degisnation plate, numbered 121 - 160	40 16779 00890 7	47
GH S210 1946 R0009	SZ-KZS/5	Degisnation plate, pictograms	40 16779 00900 3	47
GH S210 1946 R0010	SZ-KZS/6	Degisnation plate, numbered 2 x 1 - 20	40 16779 05080 7	47
GH S210 1946 R0013	SZ-KZS/9	Degisnation plate, numbered 4 x 1 - 10	40 16779 39050 7	47
GH S210 1946 R0014	Z-KZS/10	Degisnation plate, numbered 4 x 11 -20	40 16779 39060 6	47
GH V021 1370 R0171	STL-LF 103	Light Sensor, SM	40 12233 53210 0	24
GH V780 0000 R0000	DZ-FTB	Panel Mounting Kit	40 16779 48120 5	42
GH V782 2000 R0100	DZ 2200 W E	EIB-Delta-Meter, 1x 230 V, 5(65) A	40 16779 51143 8	42
GH V782 2100 R0100	DZ 2210 W E	EIB-Delta-Meter, 1x 230 V, 2(6) A	40 16779 51128 5	42
GH V783 1100 R0100	DZ 3110 W E	EIB-Delta-Meter, 3x 110 V, 2(6) A	40 16779 51129 2	42
GH V783 4000 R0100	DZ 3400 W E	EIB-Delta-Meter, 3x 400 V, 5(65) A	40 16779 51144 5	42
GH V783 4100 R0100	DZ 3410 W E	EIB-Delta-Meter, 3x 400 V, 2(6) A	40 16779 51130 8	42
GH V783 5100 R0100	DZ 3510 W E	EIB-Delta-Meter, 3x 500 V, 2(6) A	40 16779 51131 5	42
GH V784 0000 R0100	DZ 4000 W E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	40 16779 51146 9	42
GH V784 0000 R0140	DZ 4000 WT E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	40 16779 51148 3	42
GH V784 0000 R2100	DZ 4000 K E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	40 16779 51147 6	42
GH V784 0001 R0100	DZ 4001 W E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	40 16779 51145 2	42
GH V784 0100 R0100	DZ 4010 W E	EIB-Delta-Meter, 3x 230/400 V, 2(6) A	40 16779 51133 9	42
GH V784 0100 R0140	DZ 4010 WT E	EIB-Delta-Meter, 3x 230/400 V, 2(6) A	40 16779 51135 3	42
GH V784 0100 R2100	DZ 4010 K E	EIB-Delta-Meter, 3x 230/400 V, 2(6) A	40 16779 51134 6	42
GH V784 0101 R0100	DZ 4011 W E	EIB-Delta-Meter, 3x 230/400 V, 1(6) A	40 16779 51132 2	42
GH V902 0002 V0112	KM/E 1.1	Contact Module for Home Smoke Detector	40 16779 50112 5	45
GH V902 0010 V0012	ORM2151	Optical Smoke Detector	40 13232 61570 2	45
GH V902 0010 V0112	RM/A 1.1	Home Smoke Detector	40 16779 50111 8	45
GH V921 0018 V0022	VSUE	Window Lock Monitoring Contact	40 13232 70120 7	44
GH V922 0004 V0009	SPGS/W	Glass Break Sensor, white	40 13232 61420 0	44
GH V922 0004 V0010	SPGS/B	Glass Break Sensor, brown	40 13232 61430 9	44
GH V922 0009 V0003	EMA/W	Vibration Detector, white	40 13232 57190 9	44
GH V922 0009 V0004	EMA/B	Vibration Detector, brown	40 13232 57200 5	44
GH V923 0039 V0001	IR/N	Passive Infrared Detector	40 13232 61710 2	44
GH V923 0039 V0002	IR/L	Long Range Lenses (5 pieces)	40 13232 61720 1	44
GH V923 0039 V0003	IR/V	Curtain Lenses (5 pieces)	40 13232 61730 0	44
GH V923 0039 V0010	EIM/DB	Dual Ceiling Detector	40 13232 74477 8	44
GH V923 0039 V0020	MW	Mounting Bracket	40 13232 66580 6	44
GH V925 0022 V0005	WRK/W	Lock Bolt Switching Contact	40 13232 02460 3	44
GH V927 0001 V0001	SSS	Electronic solid-state siren	40 13232 02320 0	46
GH V927 0013 V0100	RL	Reed Relay, 12V	40 13232 66560 8	45

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1746 ZRKT-20	Intermediate Ring, platinum	1710-0-3406	40 11395 01283 3	38
1746 ZRKT-21	Intermediate Ring, bronze	1710-0-3407	40 11395 01285 7	38
1746 ZRKT-233	Intermediate Ring, bernstein	1710-0-3518	40 11395 03333 3	38
1746 ZRKT-24	Intermediate Ring, studio white matt	1710-0-3408	40 11395 01287 1	38
1746 ZRKT-24G	Intermediate Ring, studio white high gloss	1710-0-3409	40 11395 01289 5	38
1746 ZRKT-255	Intermediate Ring, obsidian	1710-0-3517	40 11395 03331 9	38
1746 ZRKT-260	Intermediate Ring, palladium	1710-0-3516	40 11395 03329 6	38
1746 ZRKT-266	Intermediate Ring, titan	1710-0-3515	40 11395 03327 2	38
1746 ZRKT-28	Intermediate Ring, hansa blue	1710-0-3412	40 11395 01294 9	38
1746 ZRKT-70	Intermediate Ring, cobalt blue	1710-0-3413	40 11395 01296 3	38
1746 ZRKT-71	Intermediate Ring, brilliant black	1710-0-3414	40 11395 01298 7	38
1746 ZRKT-74	Intermediate Ring, alpine white	1710-0-3415	40 11395 01299 4	38
1746 ZRKT-76	Intermediate Ring, light grey	1710-0-3416	40 11395 01301 4	38
1746 ZRKT-79	Intermediate Ring, champagne metallic	1710-0-3418	40 11395 01304 5	38
20 EUCKST-71	Combination Socket Outlet	6300-0-1286	40 11395 03576 4	38
20 EUJKST-24G	Socket Outlet Busch-triton, studio white high gloss	2013-0-5256	40 11395 01306 9	38
20 EUJKST-71	Socket Outlet Busch-triton, brilliant black	2013-0-5258	40 11395 01310 6	38
20 EUJKST-74	Socket Outlet Busch-triton, alpine white	2013-0-5257	40 11395 01308 3	38
2114-212	Cover Plate for Room Thermostat, Commercial, white (SI-series)	6599-0-1193	40 11395 37870 0	28
2114-214	Cover Plate for Room Thermostat, Commercial, alpine white (SI-series)	6599-0-0195	40 11395 37520 4	28
6010-25-500	IR Hand Held Transmitter	6020-0-1133	40 11395 93850 8	41
6020-20	IR Wall Mounted Transmitter, FM, platinum	6020-0-0036	40 11395 32630 5	40
6020-21	IR Wall Mounted Transmitter, FM, bronze	6020-0-0044	40 11395 32640 4	40
6020-24-500	IR Wall Mounted Transmitter, FM, studio white matt	6020-0-1281	40 11395 96630 3	40
6020-24G-500	IR Wall Mounted Transmitter, FM, studio white high gloss	6020-0-1299	40 11395 96640 2	40
6020-28	IR Wall Mounted Transmitter, FM, hansa blue	6020-0-1018	40 11395 74820 6	40
6021-20	IR Wall Mounted Transmitter, 1-channel, FM, platinum	6020-0-0754	40 11395 73250 2	41
6021-21	IR Wall Mounted Transmitter, 1-channel, FM, bronze	6020-0-0762	40 11395 73370 7	41
6021-24-500	IR Wall Mounted Transmitter, 1-channel, FM, studio white matt	6020-0-1315	40 11395 96660 0	41
6021-24G-500	IR Wall Mounted Transmitter, 1-channel, FM, studio white high gloss	6020-0-1307	40 11395 96650 1	41
6021-28	IR Wall Mounted Transmitter, 1-channel, FM, hansa blue	6020-0-0879	40 11395 73450 6	41
6100-500	TP Console EIB	6102-0-0002	40 11395 99182 4	32
6109 U-500	Binary Input, 5-fold, FM	6156-0-0056	40 11395 02411 9	28, 34
6110 U-500	Switch Actuator / Sensor, 1-fold, 6 A, FM	6151-0-0162	40 11395 00061 8	19, 34
6114 U-500	Switch/Dim Actuator / Sensor, 1-fold, 10 A, FM	6151-0-0177	40 11395 02356 3	24
6115-20-101	Switch Sensor, 1-fold, FM, platinum	6115-0-0128	40 11395 97242 7	39
6115-21-101	Switch Sensor, 1-fold, FM, bronze	6115-0-0129	40 11395 97244 1	39
6115-22G-101	Switch Sensor, 1-fold, FM, ivory	6115-0-0138	40 11395 01621 3	39
6115-233-101	Switch Sensor, 1-fold, FM, bernstein	6115-0-0139	40 11395 01623 7	39
6115-24-101-500	Switch Sensor, 1-fold, FM, studio white matt	6115-0-0135	40 11395 97253 3	39
6115-24G-101	Switch Sensor, 1-fold, FM, studio white high gloss	6115-0-0131	40 11395 97247 2	39
6115-255-101	Switch Sensor, 1-fold, FM, obsidian	6115-0-0140	40 11395 01625 1	39
6115-260-101	Switch Sensor, 1-fold, FM, palladium	6115-0-0141	40 11395 01627 5	39
6115-266-101	Switch Sensor, 1-fold, FM, titan	6115-0-0142	40 11395 01629 9	39
6115-28-101	Switch Sensor, 1-fold, FM, hansa blue	6115-0-0134	40 11395 97252 6	39
6116-20-101	Switch Sensor, 2-fold, FM, platinum	6116-0-0118	40 11395 97227 4	39
6116-21-101	Switch Sensor, 2-fold, FM, bronze	6116-0-0119	40 11395 97228 1	39
6116-22G-101	Switch Sensor, 2-fold, FM, ivory	6116-0-0128	40 11395 01830 9	39
6116-233-101	Switch Sensor, 2-fold, FM, bernstein	6116-0-0129	40 11395 01632 9	39
6116-24-101-500	Switch Sensor, 2-fold, FM, studio white matt	6116-0-0125	40 11395 97240 3	39
6116-24G-101	Switch Sensor, 2-fold, FM, studio white high gloss	6116-0-0121	40 11395 97232 8	39
6116-255-101	Switch Sensor, 2-fold, FM, obsidian	6116-0-0130	40 11395 01634 3	39
6116-260-101	Switch Sensor, 2-fold, FM, palladium	6116-0-0131	40 11395 01636 7	39
6116-266-101	Switch Sensor, 2-fold, FM, titan	6116-0-0132	40 11395 01638 1	39
6116-28-101	Switch Sensor, 2-fold, FM, hansa blue	6116-0-0124	40 11395 97238 0	39
6117-20-101	Switch Sensor, 4-fold, FM, platinum	6117-0-0116	40 11395 97213 7	39
6117-21-101	Switch Sensor, 4-fold, FM, bronze	6117-0-0117	40 11395 97215 1	39
6117-22G-101	Switch Sensor, 4-fold, FM, ivory	6117-0-0127	40 11395 01832 3	39
6117-233-101	Switch Sensor, 4-fold, FM, bernstein	6117-0-0128	40 11395 01642 8	39
6117-24-101-500	Switch Sensor, 4-fold, FM, studio white matt	6117-0-0123	40 11395 97225 0	39
6117-24G-101	Switch Sensor, 4-fold, FM, studio white high gloss	6117-0-0119	40 11395 97219 9	39
6117-255-101	Switch Sensor, 4-fold, FM, obsidian	6117-0-0129	40 11395 01644 2	39
6117-260-101	Switch Sensor, 4-fold, FM, palladium	6117-0-0130	40 11395 01646 6	39
6117-266-101	Switch Sensor, 4-fold, FM, titan	6117-0-0131	40 11395 01648 0	39
6117-28-101	Switch Sensor, 4-fold, FM, hansa blue	6117-0-0122	40 11395 97223 6	39
6120 U-101-500	Bus Coupler, FM	6120-0-0063	40 11395 03097 4	12, 34
6131-74-101-500	EIB Presence Detector	6132-0-0137	40 11395 02352 5	24, 29
6132-20-102	Watchdog Sensor, FM, platinum	6132-0-0105	40 11395 98793 3	25
6132-21-102	Watchdog Sensor, FM, bronze	6132-0-0113	40 11395 98795 7	25
6132-22G-102	Watchdog Sensor, FM, ivory	6132-0-0131	40 11395 01833 0	25
6132-233-102	Watchdog Sensor, FM, bernstein	6132-0-0132	40 11395 01652 7	25
6132-24-102-500	Watchdog Sensor, FM, studio white matt	6132-0-0124	40 11395 98818 3	25

Selection Table according to Type

Type	Description	Order Code	EAN	Page
6132-24-102M-500	Watchdog Sensor with Multilense, FM, studio white matt	6132-0-0112	40 11395 98791 9	25
6132-24G-102	Watchdog Sensor, FM, studio white high gloss	6132-0-0115	40 11395 98799 5	25
6132-24G-102M	Watchdog Sensor with Multilense, FM, studio white high gloss	6132-0-0110	40 11395 98787 2	25
6132-255-102	Watchdog Sensor, FM, obsidian	6132-0-0133	40 11395 01654 1	25
6132-260-102	Watchdog Sensor, FM, palladium	6132-0-0134	40 11395 01656 5	25
6132-266-102	Watchdog Sensor, FM, titan	6132-0-0135	40 11395 01658 9	25
6132-28-102	Watchdog Sensor, FM, hansa blue	6132-0-0118	40 11395 98804 6	25
6132-70-102	Watchdog Sensor, FM, cobalt blue	6132-0-0107	40 11395 98806 0	25
6132-71-102	Watchdog Sensor, FM, brilliant black	6132-0-0119	40 11395 98808 4	25
6132-74-102	Watchdog Sensor, FM, alpine white	6132-0-0120	40 11395 98810 7	25
6132-74-102M	Watchdog Sensor with Multilense, FM, alpine white	6132-0-0111	40 11395 98789 6	25
6132-76-102	Watchdog Sensor, FM, light grey	6132-0-0121	40 11395 98812 1	25
6132-79-102	Watchdog Sensor, FM, champagne metallic	6132-0-0123	40 11395 98816 9	25
6133-20	Interface RS 232, FM, platinum	6133-0-0011	40 11395 52490 9	12
6133-21	Interface RS 232, FM, bronze	6133-0-0029	40 11395 52520 3	12
6133-22G	Interface RS 232, FM, ivory	6133-0-0138	40 11395 01834 7	12
6133-233	Interface RS 232, FM, bernstein	6133-0-0139	40 11395 01661 9	12
6133-24-500	Interface RS 232, FM, studio white matt	6133-0-0052	40 11395 60150 1	12
6133-24G	Interface RS 232, FM, studio white high gloss	6133-0-0102	40 11395 75040 7	12
6133-255	Interface RS 232, FM, obsidian	6133-0-0140	40 11395 01663 3	12
6133-260	Interface RS 232, FM, palladium	6133-0-0141	40 11395 01665 7	12
6133-266	Interface RS 232, FM, titan	6133-0-0142	40 11395 01667 1	12
6133-28	Interface RS 232, FM, hansa blue	6133-0-0128	40 11395 75060 5	12
6134/10	Room Thermostat, Commercial, FM	6134-0-0149	40 11395 02413 3	28
6134-20-102	Room Thermostat, FM, platinum	6134-0-0135	40 11395 00159 2	27
6134-21-102	Room Thermostat, FM, bronze	6134-0-0136	40 11395 00161 5	27
6134-22G-102	Room Thermostat, FM, ivory	6134-0-0143	40 11395 01669 5	27
6134-233-102	Room Thermostat, FM, bernstein	6134-0-0144	40 11395 01670 1	27
6134-24-102-500	Room Thermostat, FM, studio white matt	6134-0-0142	40 11395 00167 7	27
6134-24G-102	Room Thermostat, FM, studio white high gloss	6134-0-0138	40 11395 00163 9	27
6134-255-102	Room Thermostat, FM, obsidian	6134-0-0145	40 11395 01672 5	27
6134-260-102	Room Thermostat, FM, palladium	6134-0-0146	40 11395 01674 9	27
6134-266-102	Room Thermostat, FM, titan	6134-0-0147	40 11395 01676 3	27
6134-28-102	Room Thermostat, FM, hansa blue	6134-0-0141	40 11395 00166 0	27
6135-20	Infrared Interface, FM, platinum	6135-0-0024	40 11395 57100 2	40
6135-21	Infrared Interface, FM, bronze	6135-0-0032	40 11395 57160 6	40
6135-22G	Infrared Interface, FM, ivory	6135-0-0111	40 11395 02233 7	40
6135-233	Infrared Interface, FM, bernstein	6135-0-0112	40 11395 02235 1	40
6135-24-500	Infrared Interface, FM, studio white matt	6135-0-0065	40 11395 60540 0	40
6135-24G	Infrared Interface, FM, studio white high gloss	6135-0-0073	40 11395 75010 0	40
6135-255	Infrared Interface, FM, obsidian	6135-0-0113	40 11395 02237 5	40
6135-260	Infrared Interface, FM, palladium	6135-0-0114	40 11395 02239 9	40
6135-266	Infrared Interface, FM, titan	6135-0-0115	40 11395 02241 2	40
6135-28	Infrared Interface, FM, hansa blue	6135-0-0099	40 11395 75030 8	40
6136-20	LCD Display, FM, platinum	6136-0-0022	40 11395 69140 3	32, 40
6136-21	LCD Display, FM, bronze	6136-0-0030	40 11395 77150 1	32, 40
6136-22G	LCD Display, FM, ivory	6136-0-0111	40 11395 01692 3	32, 40
6136-233	LCD Display, FM, bernstein	6136-0-0112	40 11395 01694 7	32, 40
6136-24-500	LCD Display, FM, studio white matt	6136-0-0097	40 11395 77200 3	32, 40
6136-24G	LCD Display, FM, studio white high gloss	6136-0-0055	40 11395 77160 0	32, 40
6136-255	LCD Display, FM, obsidian	6136-0-0113	40 11395 01695 4	32, 40
6136-260	LCD Display, FM, palladium	6136-0-0114	40 11395 01697 8	32, 40
6136-266	LCD Display, FM, titan	6136-0-0115	40 11395 01699 2	32, 40
6136-28	LCD Display, FM, hansa blue	6136-0-0089	40 11395 77190 7	32, 40
6151 EB-500	Switch Actuator, 1-fold, 10 A, LF	6151-0-0021	40 11395 60510 3	19
6152 EB-101-500	Switch Actuator, 2-fold / Shutter Actuator, 1-fold, 10 A, LF	6152-0-0029	40 11395 60480 9	19, 21
6153 EB-500	Switch/Dim Actuator, 1-fold, 10 A, LF	6153-0-0027	40 11395 60490 8	22
6155 EB-101-500	Universal Dim Actuator, 1-fold, 400 VA, LF	6155-0-0062	40 11395 74100 9	22
6156 EB-500	Binary Input, 4-fold, 230 V AC, LF	6156-0-0020	40 11395 66050 8	16
6157 EB-500	Analogue Input, 4-fold, LF	6157-0-0028	40 11395 66070 6	16
6158 EB-500	Binary Input, 4-fold, 24 V AC/DC, LF	6158-0-0026	40 11395 66060 7	16
6164 U-500	Heating Actuator, 1-fold, FM	6151-0-0168	40 11395 99041 4	26
6164/10	Thermoelectric Valve Drive, 230 V	6151-0-0169	40 11395 99184 8	26
6164/11	Thermoelectric Valve Drive, 24 V	6151-0-0174	40 11395 00453 1	26
6164/20	Valve Adapter VA 80	6151-0-0170	40 11395 99186 2	26
6164/21	Valve Adapter VA 50	6151-0-0171	40 11395 99187 9	26
6164/22	Valve Adapter VA 78	6151-0-0172	40 11395 99189 3	26
6164/23	Valve Adapter VA 02	6151-0-0173	40 11395 99193 0	26
6172 AG-101-500	Switch Actuator, 2-fold / Shutter Actuator, 1-fold, 10 A, SM	6151-0-0153	40 11395 91390 1	19, 21
6173 AG-101-500	Combi Actuator, SM	6151-0-0138	40 11395 91410 6	19, 21
6176/01AGM-204-500	Watchdog-Sensor 220 HGL Master, SM	6132-0-0126	40 11395 00491 3	25
6197/11-101-500	Control Unit for Universal Dimmer, 2-fold, MDRC	6198-0-0098	40 11395 96903 8	23

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Type	Description	Order Code	EAN	Page
6198-500	Logic Unit, MDRC	6198-0-0022	40 11395 66090 4	30
6321-20	Busch-triton Switch Sensor, 1-fold, FM, platinum	6300-0-0883	40 11395 90850 1	35
6321-21	Busch-triton Switch Sensor, 1-fold, FM, bronze	6300-0-0891	40 11395 90860 0	35
6321-233	Busch-triton Switch Sensor, 1-fold, FM, bernstein	6300-0-1254	40 11395 03028 8	35
6321-24	Busch-triton Switch Sensor, 1-fold, FM, studio white matt	6300-0-0909	40 11395 90870 9	35
6321-24G	Busch-triton Switch Sensor, 1-fold, FM, studio white high gloss	6300-0-0917	40 11395 90880 8	35
6321-255	Busch-triton Switch Sensor, 1-fold, FM, obsidian	6300-0-1253	40 11395 03026 4	35
6321-260	Busch-triton Switch Sensor, 1-fold, FM, palladium	6300-0-1252	40 11395 03024 0	35
6321-266	Busch-triton Switch Sensor, 1-fold, FM, titan	6300-0-1251	40 11395 03022 6	35
6321-28	Busch-triton Switch Sensor, 1-fold, FM, hansa blue	6300-0-0933	40 11395 90900 3	35
6321-70	Busch-triton Switch Sensor, 1-fold, FM, cobalt blue	6300-0-0305	40 11395 85980 3	35
6321-71	Busch-triton Switch Sensor, 1-fold, FM, brilliant black	6300-0-0560	40 11395 87870 5	35
6321-74	Busch-triton Switch Sensor, 1-fold, FM, alpine white	6300-0-0313	40 11395 85990 2	35
6321-76	Busch-triton Switch Sensor, 1-fold, FM, light grey	6300-0-0321	40 11395 86000 7	35
6321-79	Busch-triton Switch Sensor, 1-fold, FM, champagne metallic	6300-0-0941	40 11395 90910 2	35
6322-20-101	Busch-triton Switch Sensor, 3-fold, FM, platinum	6300-0-1014	40 11395 94400 4	35
6322-21-101	Busch-triton Switch Sensor, 3-fold, FM, bronze	6300-0-1097	40 11395 94410 3	35
6322-233-101	Busch-triton Switch Sensor, 3-fold, FM, bernstein	6300-0-1259	40 11395 03038 7	35
6322-24-101	Busch-triton Switch Sensor, 3-fold, FM, studio white matt	6300-0-1113	40 11395 94420 2	35
6322-24G-101	Busch-triton Switch Sensor, 3-fold, FM, studio white high gloss	6300-0-1121	40 11395 94430 1	35
6322-255-101	Busch-triton Switch Sensor, 3-fold, FM, obsidian	6300-0-1258	40 11395 03036 3	35
6322-260-101	Busch-triton Switch Sensor, 3-fold, FM, palladium	6300-0-1257	40 11395 03034 9	35
6322-266-101	Busch-triton Switch Sensor, 3-fold, FM, titan	6300-0-1256	40 11395 03032 5	35
6322-28-101	Busch-triton Switch Sensor, 3-fold, FM, hansa blue	6300-0-1154	40 11395 94470 7	35
6322-70-101	Busch-triton Switch Sensor, 3-fold, FM, cobalt blue	6300-0-1170	40 11395 94490 5	35
6322-71-101	Busch-triton Switch Sensor, 3-fold, FM, brilliant black	6300-0-1162	40 11395 94480 6	35
6322-74-101	Busch-triton Switch Sensor, 3-fold, FM, alpine white	6300-0-1188	40 11395 94500 1	35
6322-76-101	Busch-triton Switch Sensor, 3-fold, FM, light grey	6300-0-1196	40 11395 94510 0	35
6322-79-101	Busch-triton Switch Sensor, 3-fold, FM, champagne metallic	6300-0-1212	40 11395 94530 8	35
6323-20	Busch-triton Switch Sensor, 3-fold, with Display, FM, platinum	6300-0-0958	40 11395 91460 1	36
6323-21	Busch-triton Switch Sensor, 3-fold, with Display, FM, bronze	6300-0-0966	40 11395 91470 0	36
6323-233	Busch-triton Switch Sensor, 3-fold, with Display, FM, bernstein	6300-0-1264	40 11395 03048 6	36
6323-24	Busch-triton Switch Sensor, 3-fold, with Display, FM, studio white matt	6300-0-0974	40 11395 91480 9	36
6323-24G	Busch-triton Switch Sensor, 3-fold, with Display, FM, studio white high gloss	6300-0-0982	40 11395 91490 8	36
6323-255	Busch-triton Switch Sensor, 3-fold, with Display, FM, obsidian	6300-0-1263	40 11395 03046 2	36
6323-260	Busch-triton Switch Sensor, 3-fold, with Display, FM, palladium	6300-0-1262	40 11395 03044 8	36
6323-266	Busch-triton Switch Sensor, 3-fold, with Display, FM, titan	6300-0-1261	40 11395 03042 4	36
6323-28	Busch-triton Switch Sensor, 3-fold, with Display, FM, hansa blue	6300-0-1006	40 11395 91510 3	36
6323-70	Busch-triton Switch Sensor, 3-fold, with Display, FM, cobalt blue	6300-0-0453	40 11395 85520 1	36
6323-71	Busch-triton Switch Sensor, 3-fold, with Display, FM, brilliant black	6300-0-0586	40 11395 87890 3	36
6323-74	Busch-triton Switch Sensor, 3-fold, with Display, FM, alpine white	6300-0-0461	40 11395 85530 0	36
6323-76	Busch-triton Switch Sensor, 3-fold, with Display, FM, light grey	6300-0-0479	40 11395 85540 9	36
6323-79	Busch-triton Switch Sensor, 3-fold, with Display, FM, champagne metallic	6300-0-1022	40 11395 91530 1	36
6324-20	Busch-triton Switch Sensor, 5-fold, FM, platinum	6300-0-0800	40 11395 90950 8	37
6324-21	Busch-triton Switch Sensor, 5-fold, FM, bronze	6300-0-0818	40 11395 90960 7	37
6324-233	Busch-triton Switch Sensor, 5-fold, FM, bernstein	6300-0-1269	40 11395 03058 5	37
6324-24	Busch-triton Switch Sensor, 5-fold, FM, studio white matt	6300-0-0826	40 11395 90970 6	37
6324-24G	Busch-triton Switch Sensor, 5-fold, FM, studio white high gloss	6300-0-0834	40 11395 90980 5	37
6324-255	Busch-triton Switch Sensor, 5-fold, FM, obsidian	6300-0-1268	40 11395 03056 1	37
6324-260	Busch-triton Switch Sensor, 5-fold, FM, palladium	6300-0-1267	40 11395 03054 7	37
6324-266	Busch-triton Switch Sensor, 5-fold, FM, titan	6300-0-1266	40 11395 03052 3	37
6324-28	Busch-triton Switch Sensor, 5-fold, FM, hansa blue	6300-0-0859	40 11395 91000 9	37
6324-70	Busch-triton Switch Sensor, 5-fold, FM, cobalt blue	6300-0-0404	40 11395 85450 1	37
6324-71	Busch-triton Switch Sensor, 5-fold, FM, brilliant black	6300-0-0578	40 11395 87880 4	37
6324-74	Busch-triton Switch Sensor, 5-fold, FM, alpine white	6300-0-0412	40 11395 85470 9	37
6324-76	Busch-triton Switch Sensor, 5-fold, FM, light grey	6300-0-0420	40 11395 85480 8	37
6324-79	Busch-triton Switch Sensor, 5-fold, FM, champagne metallic	6300-0-0875	40 11395 91020 7	37
6325-20	Busch-triton Switch Sensor, 5-fold, with Display, FM, platinum	6300-0-1030	40 11395 91540 0	37
6325-21	Busch-triton Switch Sensor, 5-fold, with Display, FM, bronze	6300-0-1048	40 11395 91550 9	37
6325-233	Busch-triton Switch Sensor, 5-fold, with Display, FM, bernstein	6300-0-1274	40 11395 03068 4	37
6325-24	Busch-triton Switch Sensor, 5-fold, with Display, FM, studio white matt	6300-0-1055	40 11395 91560 8	37
6325-24G	Busch-triton Switch Sensor, 5-fold, with Display, FM, studio white high gloss	6300-0-1063	40 11395 91570 7	37
6325-255	Busch-triton Switch Sensor, 5-fold, with Display, FM, obsidian	6300-0-1273	40 11395 03066 0	37
6325-260	Busch-triton Switch Sensor, 5-fold, with Display, FM, palladium	6300-0-1272	40 11395 03064 6	37
6325-266	Busch-triton Switch Sensor, 5-fold, with Display, FM, titan	6300-0-1271	40 11395 03062 2	37
6325-28	Busch-triton Switch Sensor, 5-fold, with Display, FM, hansa blue	6300-0-1089	40 11395 91590 5	37
6325-70	Busch-triton Switch Sensor, 5-fold, with Display, FM, cobalt blue	6300-0-0503	40 11395 85570 6	37
6325-71	Busch-triton Switch Sensor, 5-fold, with Display, FM, brilliant black	6300-0-0594	40 11395 87900 9	37
6325-74	Busch-triton Switch Sensor, 5-fold, with Display, FM, alpine white	6300-0-0511	40 11395 85580 5	37
6325-76	Busch-triton Switch Sensor, 5-fold, with Display, FM, light grey	6300-0-0529	40 11395 85590 4	37
6325-79	Busch-triton Switch Sensor, 5-fold, with Display, FM, champagne metallic	6300-0-1105	40 11395 91610 0	37
6326-20-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, platinum	6300-0-1215	40 11395 98557 1	27, 36

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Type	Description	Order Code	EAN	Page
6326-21-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, bronze	6300-0-1216	40 11395 98559 5	27, 36
6326-233-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, bernstein	6300-0-1279	40 11395 03123 0	27, 36
6326-24-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, studio white matt	6300-0-1217	40 11395 98560 1	27, 36
6326-24G-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, studio white high gloss	6300-0-1218	40 11395 98562 5	27, 36
6326-255-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, obsidian	6300-0-1278	40 11395 03078 3	27, 36
6326-260-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, palladium	6300-0-1277	40 11395 03076 9	27, 36
6326-266-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, titan	6300-0-1276	40 11395 03073 8	27, 36
6326-28-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, hansa blue	6300-0-1221	40 11395 98567 0	27, 36
6326-70-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, cobalt blue	6300-0-1222	40 11395 98569 4	27, 36
6326-71-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, brilliant black	6300-0-1223	40 11395 98571 7	27, 36
6326-74-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, alpine white	6300-0-1224	40 11395 98573 1	27, 36
6326-76-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, light grey	6300-0-1225	40 11395 98574 8	27, 36
6326-79-101	Busch-triton Switch Sensor, 3-fold, with Thermostat, FM, champagne metallic	6300-0-1227	40 11395 98578 6	27, 36
6327-20	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, platinum	6300-0-1228	40 11395 98924 1	27, 38
6327-21	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, bronze	6300-0-1229	40 11395 98926 5	27, 38
6327-233	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, bernstein	6300-0-1284	40 11395 03091 2	27, 38
6327-24	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, studio white matt	6300-0-1230	40 11395 98928 9	27, 38
6327-24G	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, studio white high gloss	6300-0-1231	40 11395 98930 2	27, 38
6327-255	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, obsidian	6300-0-1283	40 11395 03089 9	27, 38
6327-260	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, palladium	6300-0-1282	40 11395 03087 5	27, 38
6327-266	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, titan	6300-0-1281	40 11395 03084 4	27, 38
6327-28	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, hansa blue	6300-0-1234	40 11395 98936 4	27, 38
6327-70	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, cobalt blue	6300-0-1235	40 11395 98938 8	27, 38
6327-71	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, brilliant black	6300-0-1236	40 11395 98941 8	27, 38
6327-74	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, alpine white	6300-0-1237	40 11395 98942 5	27, 38
6327-76	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, light grey	6300-0-1238	40 11395 98943 2	27, 38
6327-79	Busch-triton Switch Sensor, 5-fold, with Thermostat, FM, champagne metallic	6300-0-1240	40 11395 98947 0	27, 38
6332-24G	Busch-triton Switch Sensor, 3-fold, with socket outlet, FM, studio white high gloss	6300-0-1249	40 11395 01311 3	35
6332-74	Busch-triton Switch Sensor, 3-fold, with socket outlet, FM, alpine white	6300-0-1250	40 11395 01313 7	35
6541-22G	Cover Plate for Room Thermostat, Commercial, ivory	6599-0-2795	40 11395 91730 5	28
6541-233	Cover Plate for Room Thermostat, Commercial, bernstein	6599-0-2859	40 11395 00717 4	28
6541-24	Cover Plate for Room Thermostat, Commercial, studio white matt	6599-0-1557	40 11395 38180 9	28
6541-24G	Cover Plate for Room Thermostat, Commercial, studio white, high gloss	6599-0-2332	40 11395 70860 6	28
6541-255	Cover Plate for Room Thermostat, Commercial, obsidian	6599-0-2862	40 11395 00795 2	28
6541-28	Cover Plate for Room Thermostat, Commercial, hansa blue	6599-0-2357	40 11395 70880 4	28
6541-70	Cover Plate for Room Thermostat, Commercial, cobalt blue	6599-0-2639	40 11395 82860 1	28
6541-71	Cover Plate for Room Thermostat, Commercial, brilliant black	6599-0-2647	40 11395 82870 0	28
6541-74	Cover Plate for Room Thermostat, Commercial, alpine white	6599-0-2076	40 11395 54180 7	28
6541-76	Cover Plate for Room Thermostat, Commercial, light grey	6599-0-2654	40 11395 82880 9	28
6541-79	Cover Plate for Room Thermostat, Commercial, champagne metallic	6599-0-2142	40 11395 55810 2	28
6541-82	Cover Plate for Room Thermostat, Commercial, savanne/ivory	6599-0-2832	40 11395 99569 3	28
6541-84	Cover Plate for Room Thermostat, Commercial, davos/studio white	6599-0-2835	40 11395 99663 8	28
6541-85	Cover Plate for Room Thermostat, Commercial, manhattan/graphite	6599-0-2838	40 11395 99753 6	28
6541-86	Cover Plate for Room Thermostat, Commercial, samoa/light green	6599-0-2841	40 11395 99839 7	28
6541-87	Cover Plate for Room Thermostat, Commercial, toscana/crimson	6599-0-2844	40 11395 99917 2	28
6541-88	Cover Plate for Room Thermostat, Commercial, attica/deaf-blue	6599-0-2847	40 11395 99997 4	28
6541-89	Cover Plate for Room Thermostat, Commercial, stone/light grey	6599-0-2866	40 11395 01806 4	28
6593-102-500	Universal Dimmer, 500 VA, MDRC	6590-0-0161	40 11395 01394 6	23
6594-102-500	Extension for Universal Dimmer, 420 VA, MDRC	6590-0-0151	40 11395 98878 7	23
6885-500	Surface Mounting Base for Presence Detector	6899-0-0282	40 11395 00468 5	25, 29
AA/S 2.1	Analogue Actuator, 2-fold, MDRC	GH Q605 0055 R0001	40 16779 40420 4	19
AB/S 1.1	Application Unit, MDRC	GH Q631 0030 R0111	40 16779 39220 4	30
ABDECK	Cover Strip	GH Q600 1927 R0001	40 12233 80220 3	13
AE/S 4.1	Analogue Input, 4-fold, MDRC	GH Q605 0054 R0001	40 16779 40410 5	16
AK/S 1.1	Application Controller, MDRC	GH Q631 0004 R0111	40 16779 03960 4	30
AM/S 12.1	Battery Module, 12 VDC, MDRC	GH Q631 0062 R0111	40 16779 51481 1	10
AT/S 2.6.5	Switch Actuator, 2-fold, 6 A, MDRC	GH Q631 0042 R0111	40 16779 49070 2	18
AT/S 4.16.1	Switch Actuator, 4-fold, 16 A, MDRC	GH Q631 0021 R0111	40 16779 25360 4	18
AT/S 4.16.5	Switch Actuator, 4-fold, 16 A, C-Load, MDRC	GH Q631 0028 R0111	40 16779 35650 3	18
AT/S 4.6.2	Switch Actuator, 4-fold, 6 A, MDRC	GH Q631 0033 R0111	40 16779 45570 1	18
AT/S 6.6.1	Switch Actuator, 6-fold, 6 A, MDRC	GH Q631 0023 R0111	40 16779 25880 7	18
AT/S 8.16.5	Switch Actuator, 8-fold, 16 A, C-Load, MDRC	GH Q631 0047 R0111	40 16779 50837 7	18
AT/S 8.4.1	Switch Actuator, 8-fold, 4 A, MDRC	GH Q631 0041 R0111	40 16779 49010 8	18
B412NL	Detector Base	GH Q305 0001 R0001	40 16779 51682 2	45
BUSKLEMMER	Bus Connection Terminal	GH Q630 1901 R0001	40 12233 80230 2	14
DB/S 1.1	Diagnosis Unit, 2-pole, MDRC	GH Q631 0013 R0111	40 16779 25370 3	13
DM/S 1.1	Twilight Switch, 1-channel, MDRC	GH Q605 0032 R0001	40 16779 15210 5	24
DR/S 2.2	Choke, MDRC	GH Q605 0012 R0001	40 12233 80170 1	11
DS/E 214	Data Rail, 214 mm	GH Q600 1926 R0001	40 12233 80190 9	13
DS/E 243	Data Rail, 243 mm	GH Q600 1926 R0002	40 12233 80200 5	13
DS/E 277	Data Rail, 277 mm	GH Q600 1926 R0003	40 12233 80210 4	13
DZ 2200 W E	EIB-Delta-Meter, 1x 230 V, 5(65) A	GH V782 2000 R0100	40 16779 51143 8	42

Selection Table according to Type

Type	Description	Order Code	EAN	Page
DZ 2210 W E	EIB-Delta-Meter, 1x 230 V, 2(6) A	GH V782 2100 R0100	40 16779 51128 5	42
DZ 3110 W E	EIB-Delta-Meter, 3x 110 V, 2(6) A	GH V783 1100 R0100	40 16779 51129 2	42
DZ 3400 W E	EIB-Delta-Meter, 3x 400 V, 5(65) A	GH V783 4000 R0100	40 16779 51144 5	42
DZ 3410 W E	EIB-Delta-Meter, 3x 400 V, 2(6) A	GH V783 4100 R0100	40 16779 51130 8	42
DZ 3510 W E	EIB-Delta-Meter, 3x 500 V, 2(6) A	GH V783 5100 R0100	40 16779 51131 5	42
DZ 4000 K E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	GH V784 0000 R2100	40 16779 51147 6	42
DZ 4000 W E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	GH V784 0000 R0100	40 16779 51146 9	42
DZ 4000 WT E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	GH V784 0000 R0140	40 16779 51148 3	42
DZ 4001 W E	EIB-Delta-Meter, 3x 230/400 V, 5(65) A	GH V784 0001 R0100	40 16779 51145 2	42
DZ 4010 K E	EIB-Delta-Meter, 3x 230/400 V, 2(6) A	GH V784 0100 R2100	40 16779 51134 6	42
DZ 4010 W E	EIB-Delta-Meter, 3x 230/400 V, 2(6) A	GH V784 0100 R0100	40 16779 51133 9	42
DZ 4010 WT E	EIB-Delta-Meter, 3x 230/400 V, 2(6) A	GH V784 0100 R0140	40 16779 51135 3	42
DZ 4011 W E	EIB-Delta-Meter, 3x 230/400 V, 1(6) A	GH V784 0101 R0100	40 16779 51132 2	42
DZ-FTB	Panel Mounting Kit	GH V780 0000 R0000	40 16779 48120 5	42
EA/S 232.5	Interface RS 232, 2-fold, MDRC	GH Q631 0043 R0111	40 16779 50405 8	12
EIM/DB	Dual Ceiling Detector	GH V923 0039 V0010	40 13232 74477 8	44
EMA/B	Vibration Detector, brown	GH V922 0009 V0004	40 13232 57200 5	44
EMA/W	Vibration Detector, white	GH V922 0009 V0003	40 13232 57190 9	44
EP	Spare Paper for Emergency Call Button	GH Q713 2443 R0003	40 13232 04220 1	45
ER/U 1.1	Electronic Relay, 1-fold, FM	GH Q631 0044 R0111	40 16779 49725 1	26
ES/S 4.1.1	Electronic Switch Actuator, 4-fold, 1 A ,MDRC	GH Q631 0061 R0111	40 16779 51801 7	26
ET/S 4.230	Binary Input, 4-fold, 230 V, MDRC	GH Q605 0010 R0001	40 12233 80250 0	15
ET/S 6.230.1	Binary Input, 6-fold, 230 V, MDRC	GH Q631 0024 R0111	40 16779 31120 5	15
ET/S 6.24.1	Binary Input, 6-fold, 24 V, MDRC	GH Q631 0025 R0111	40 16779 31130 4	15
ET/S 6.24.5	Binary Input, 6-fold, Contact Scanning, MDRC	GH Q631 0035 R0111	40 16779 48650 7	15
FA/A 2.1	Antenna for Radio Time Switch, SM	GH Q605 0031 R0021	40 16779 51237 4	31
FW/S 4.5	Radio Time Switch, 4-channel, MDRC	GH Q605 0060 R0001	40 16779 50093 7	31
HS/S 3.1	Brightness Sensor, 3-channel, MDRC	GH Q605 0063 R0001	40 16779 50098 2	24
IN/S 1.1	Internet Gateway, ISDN	GH Q605 0064 R0001	40 16779 55311 7	33
IN/S 2.1	Internet Gateway, analog	GH Q605 0065 R0001	40 16779 55312 4	33
IR/L	Long Range Lenses (5 pieces)	GH V923 0039 V0002	40 13232 61720 1	44
IR/N	Passive Infrared Detector	GH V923 0039 V0001	40 13232 61710 2	44
IR/V	Curtain Lenses (5 pieces)	GH V923 0039 V0003	40 13232 61730 0	44
JA/S 2.6.1	Shutter Actuator, 2-fold, 6 A, MDRC	GH Q631 0022 R0111	40 16779 25870 8	21
JA/S 4.6.1	Shutter Actuator, 4-fold, 6 A, MDRC	GH Q631 0037 R0111	40 16779 48970 6	21
JA/S 4.6.5	Shutter Actuator, 4-fold, 6 A, 24 VDC, MDRC	GH Q631 0040 R0111	40 16779 48990 4	21
KLEMME	Connection Terminal	GH Q630 1902 R0001	40 16779 07930 3	14
KM/E 1.1	Contact Module for Home Smoke Detector	GH V902 0002 V0112	40 16779 50112 5	45
KS/K 2.1	Cable Set, Extension	GH Q630 1910 R0011	40 16779 52893 1	10
KS/K 4.1	Cable Set, Basic	GH Q630 1910 R0001	40 16779 51725 6	10
LF/U 1.1	Light Sensor, FM	GH Q631 0039 R0111	40 16779 49240 9	22
LK/S 2.1	Line Coupler, MDRC	GH Q605 0019 R0001	40 12233 80460 3	12
LKS	Loctite Adhesive	GH Q400 1906 R0001	40 13232 39280 1	44
LL/S 1.1	Optical Fibre Interface, MDRC	GH Q605 0053 R0001	40 16779 39210 5	12
LR/S 2.2.1	Light Controller / Switch/Dim Actuator, 2-fold, 16 A, MDRC	GH Q631 0036 R0111	40 16779 49230 4	22
LW/S 3.1	Light Level Sensor, 3-channel, MDRC	GH Q631 0010 R0001	40 16779 13950 2	24
MRS/B	Magnet Reed Contact Set, brown	GH Q320 1972 R0002	40 16779 50659 5	43
MRS/W	Magnet Reed Contact Set, white	GH Q320 1972 R0001	40 16779 50660 1	43
MT/S 4.12.1	Zone Terminal, 4-fold, MDRC	GH Q631 0027 R0111	40 16779 37830 2	43
MT/U 2.12.1	Zone Terminal, 2-fold, FM	GH Q631 0060 R0111	40 16779 51380 7	43
MW	Mounting Bracket	GH V923 0039 V0020	40 13232 66580 6	44
ND/W	Emergency Call Button, SM	GH Q713 2443 R0011	40 13232 02540 2	45
NDA/W	Cover Plate	GH Q713 2443 R0004	40 13232 616907	45
NDU/W	Emergency Call Button, FM	GH Q713 2443 R0021	40 13232 02550 1	45
NT/S 12.1600	Power Supply, 12 VDC, 1.6 A, MDRC	GH Q605 0056 R0002	40 16779 51467 5	11
NT/S 24.800	Power Supply, 24 VDC, 0.8 A, MDRC	GH Q605 0057 R0002	40 16779 51468 2	11
ORM2151	Optical Smoke Detector	GH V902 0010 V0012	40 13232 61570 2	45
PAK	Programming Software for the Application Controller, English	GH Q630 1906 R0010		30
PAK V 1.6	Programming Software for the Application Controller	GH Q630 1906 R0001	40 16779 12760 8	30
PK/E 1.1	Memory Card	GH Q600 1943 R0001	40 16779 50105 7	31
PS/E 1.1	Programming Set	GH Q600 1942 R0001	40 16779 50104 0	31
RL	Reed Relay, 12V	GH V927 0013 V0100	40 13232 66560 8	45
RM/A 1.1	Home Smoke Detector	GH V902 0010 V0112	40 16779 50111 8	45
SAK12	Sealed Lead Acid Battery, 12 V, 12 Ah	GH Q924 0001 V0012	40 13232 74494 5	11
SAK17	Sealed Lead Acid Battery, 12 V, 17Ah	GH Q924 0001 V0013	40 13232 74495 2	11
SAK7	Sealed Lead Acid Battery, 12 V, 7Ah	GH Q924 0001 V0011	40 13232 74493 8	11
SGL	Gas Detector	GH Q305 0008 R0001	40 13232 53313 3	45
SL/E 50.1	Control Unit for LUXCONTROL, LF	GH Q605 0050 R0001	40 16779 36570 3	23
SL/S 50.1	Control Unit for LUXCONTROL, MDRC	GH Q605 0051 R0001	40 16779 36580 2	23
SM/S 3.16.30	Current Sensor, 3-channel, MDRC	GH Q631 0034 R0111	40 16779 48040 6	43
SPGS/B	Glass Break Sensor, brown	GH V922 0004 V0010	40 13232 61430 9	44
SPGS/W	Glass Break Sensor, white	GH V922 0004 V0009	40 13232 61420 0	44

Selection Table according to Type

Type	Description	Order Code	EAN	Page
SSF/GB	Combination Signalling Device	GH Q305 0017 R0001	40 16779 53447 3	46
SSS	Electronic solid-state siren	GH V927 0001 V0001	40 13232 02320 0	46
ST	Label carrier, snap on	GH S210 1945 R0002	40 12233 13820 3	47
ST-E	Label, blank	GH S210 1946 R0002	40 12233 13830 2	47
ST-EN	Label, numbered 1 to 100	GH S210 1946 R0003	40 12233 64530 5	47
STL-LF 103	Light Sensor, SM	GH V021 1370 R0171	40 12233 53210 0	24
SU/S 30.640	Uninterruptible EIB-Power Supply, 640 mA, MDRC	GH Q631 0049 R0111	40 16779 51477 4	10
SV/S 30.320.5	EIB-Power Supply, 320 mA, MDRC	GH Q631 0038 R0111	40 16779 49090 0	10
SV/S 30.640	EIB-Power Supply, 640 mA, MDRC	GH Q631 0001 R0001	40 12233 98350 6	10
SV/S 30.640.5	EIB-Power Supply, 640 mA, MDRC	GH Q631 0048 R0111	40 16779 51474 3	10
SW/S 2.5	Time Switch, 2-channel, MDRC	GH Q605 0062 R0001	40 16779 50067 5	31
SW/S 4.5	Time Switch, 4-channel, MDRC	GH Q605 0061 R0001	40 16779 50096 8	31
SWM4	Water Detector	GH Q403 0001 R0004	40 13232 05740 3	45
SZ-KZS	Designation plate, blank	GH S210 1946 R0004	40 16779 00850 1	47
SZ-KZS/1	Designation plate, numbered 1 - 40	GH S210 1946 R0005	40 16779 00860 0	47
SZ-KZS/2	Designation plate, numbered 41 - 80	GH S210 1946 R0006	40 16779 00870 9	47
SZ-KZS/3	Designation plate, numbered 81 - 120	GH S210 1946 R0007	40 16779 00880 8	47
SZ-KZS/4	Designation plate, numbered 121 - 160	GH S210 1946 R0008	40 16779 00890 7	47
SZ-KZS/5	Designation plate, pictograms	GH S210 1946 R0009	40 16779 00900 3	47
SZ-KZS/6	Designation plate, numbered 2 x 1 - 20	GH S210 1946 R0010	40 16779 05080 7	47
SZ-KZS/9	Designation plate, numbered 4 x 1 - 10	GH S210 1946 R0013	40 16779 39050 7	47
TS/U 4.2	Push Button Interface, 4-fold, FM	GH Q605 0025 R0002	40 16779 50641 0	16, 34
UD/S 2.300.1	Universal Dim Actuator, 2-fold, 300 VA, MDRC	GH Q631 0045 R0111	40 16779 50167 5	22
UK/S 32.1	Universal Concentrator, 32-fold, MDRC	GH Q631 0026 R0111	40 16779 37870 3	32
US/E 1	Surge Arrester	GH Q631 0009 R0001	40 16779 00570 8	14
US/U 4.1	Universal Interface, 4-fold, FM	GH Q631 0031 R0111	40 16779 39980 7	16, 26, 34
US/V 10.320.2	Uninterruptible Power Supply, 320 mA, MDRC	GH Q631 0016 R0002	40 16779 50231 3	11
VB/K 100.1	Wiring Jumper, horizontal, 100 mm	GH Q630 1908 R0003	40 16779 50103 3	13
VB/K 200.1	Wiring Jumper, horizontal, 200 mm	GH Q630 1908 R0001	40 16779 46980 7	13
VB/K 270.1	Wiring Jumper, vertical, 270 mm	GH Q630 1908 R0002	40 16779 46990 6	13
VB/S 2.2.2	Connector, 2-pole, MDRC	GH Q605 0017 R0002	40 16779 50642 7	13
VB/S 4.4	Connector, 4-pole, MDRC	GH Q605 0024 R0001	40 16779 07950 1	13
VM/S 1.1	Video Module	GH Q605 0066 R0001	40 16779 55313 1	33
VMRS/B	Magnet Reed Contact Saver Set, brown	GH Q320 1972 R0012	40 16779 50657 1	43
VMRS/W	Magnet Reed Contact Saver Set, white	GH Q320 1972 R0011	40 16779 50658 8	43
VSUE	Window Lock Monitoring Contact	GH V921 0018 V0022	40 13232 70120 7	44
WRK/W	Lock Bolt Switching Contact	GH V925 0022 V0005	40 13232 02460 3	44
Z-KZS/10	Designation plate, numbered 4 x 11 -20	GH S210 1946 R0014	40 16779 39060 6	47

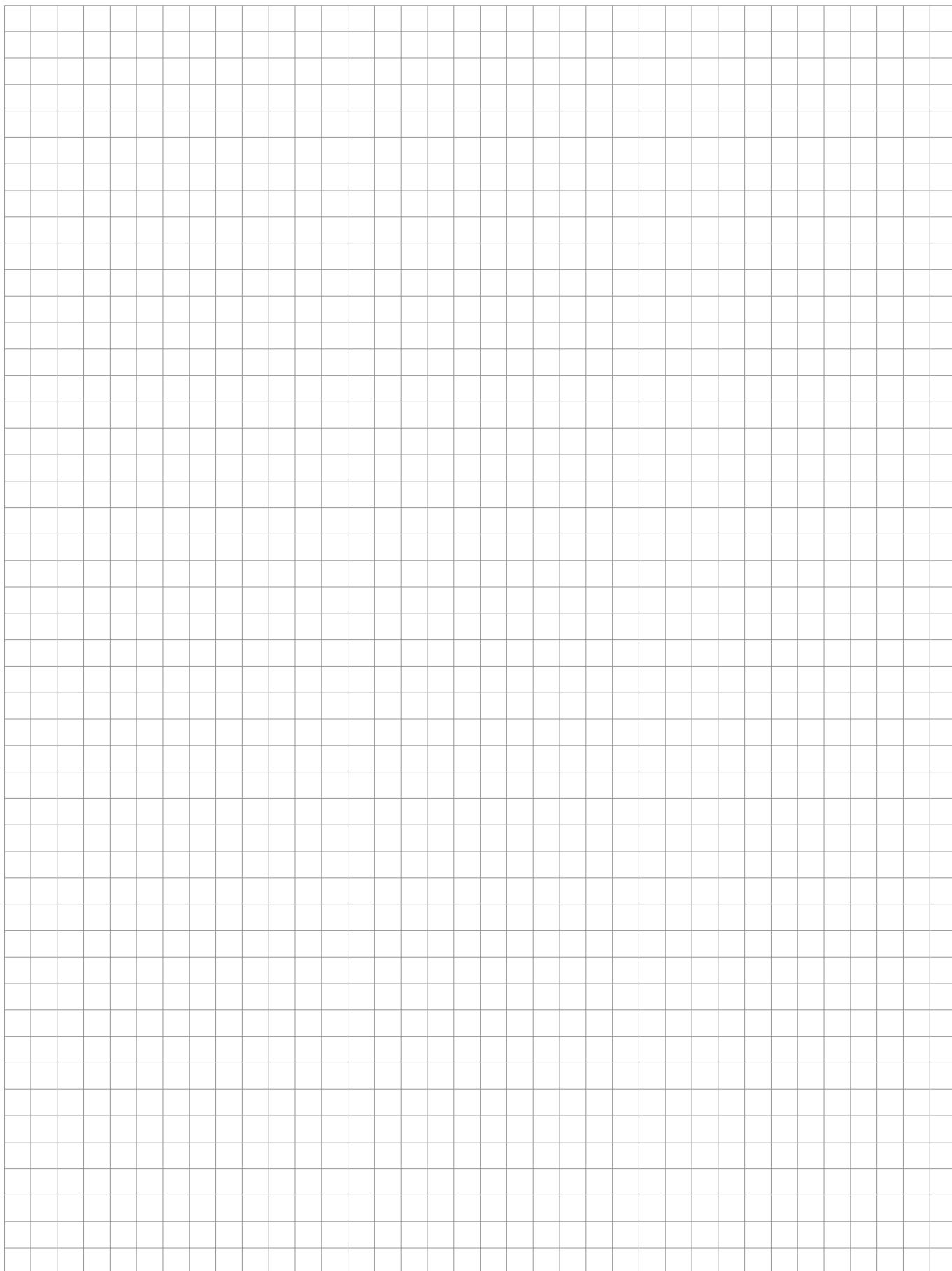
Permitted switching of loads for MDRC-Components**Switch Actuators:** AT/S 2.6.5, AT/S 4.6.2, AT/S 6.6.1, AT/S 8.4.1, AT/S 4.16.1, AT/S 4.16.5.**Light Controller:** LR/S 2.2.1

The following table shows the load, respective the number of luminaries, which can be connected to each output at 230V/50 Hz. The values are valid for a lifespan of > 25.000 switching actions.

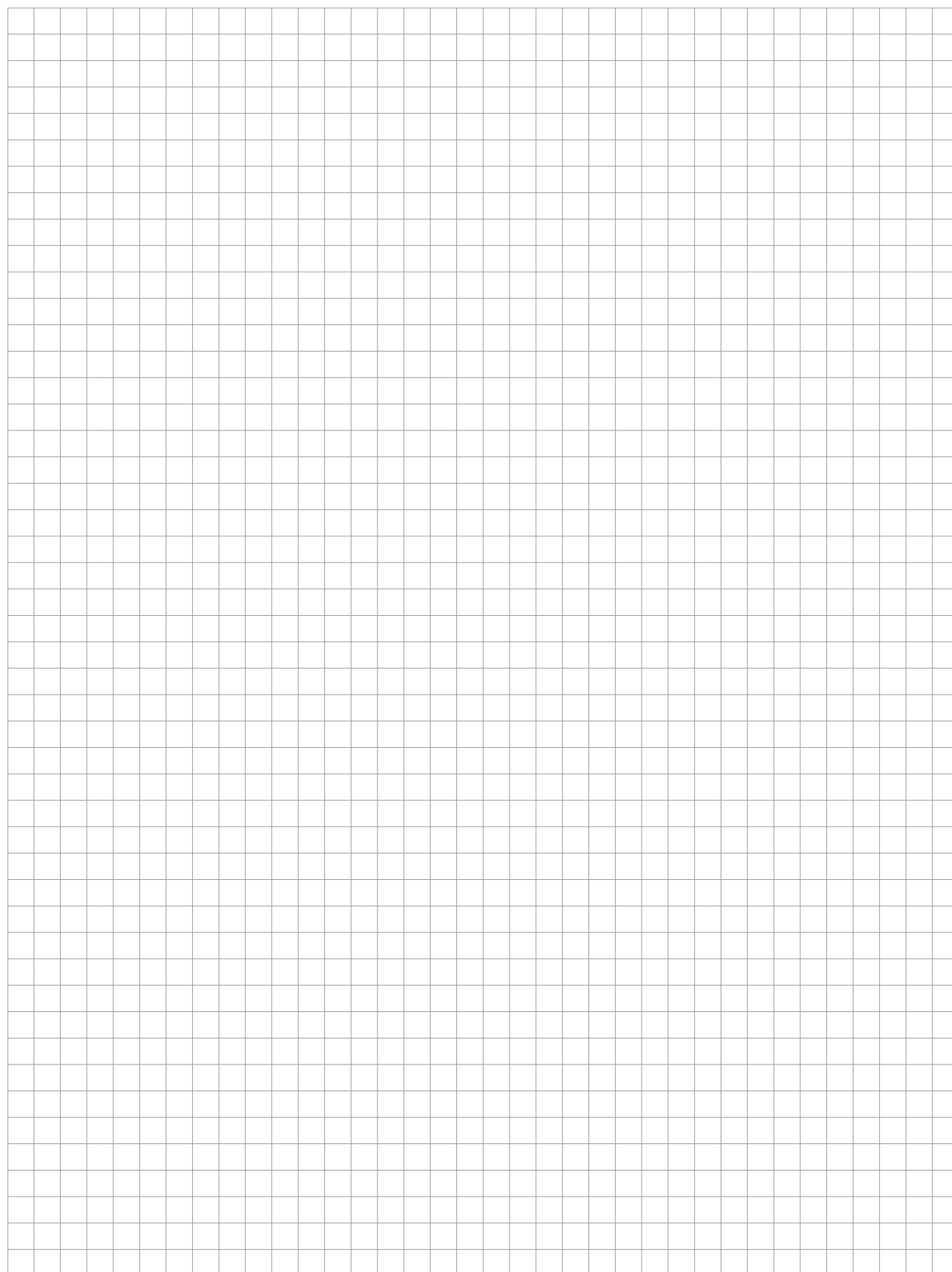
Device	AT/S 2.6.5 AT/S 4.6.2 AT/S 6.6.1	AT/S 8.4.1	AT/S 4.16.1 LR/S 2.2.1	AT/S 4.16.5
Incandescent bulbs	1200 W	920 W	2500 W	3680 W
Fluorescent lamps				
uncompensated	800 W	800 W	2500 W	3680 W
parallel compensated	800 W	800 W	1300 W	2500 W
duo-connection	800 W	800 W	2 x 2500 W	2 x 3680 W
NV halogen lamps				
inductive transformers	500 VA	500 VA	500 VA	2000 VA
electronic transformers	1000 W	920 W	1500 W	2000 W
Halogen lamps (230 VAC)	1000 W	920 W	2500 W	3680 W
Duluxlampen (Energy saving lamps)				
uncompensated	800 W	800 W	1600 W	3680 W
parallel compensated	800 W	800 W	1100 W	3000 W
	35 µF	35 µF	70 µF	200 µF
Mercury vapour lamps	1000 W	920 W	2000 W	3680 W
Sodium vapour lamps	1000 W	920 W	2000 W	3680 W
Maximum capacitive load µF				
Parallel compensated	35 µF	35 µF	70 µF	200 µF
DC-Load at 24 V (ohmic Load)	6 A	4 A	10 A	16 A
AC3-Operation	6 A	4 A	10 A	16 A
Electronic ballasts				
18 W (e.g. ABB EVG 1x18/23 SF-B8)	15 EVG	15 EVG	18 EVG 1*	18 EVG 1*
36 W (e.g. ABB EVG 1x36/23 SF-B8)	15 EVG	15 EVG	18 EVG 1*	18 EVG 1*
58 W (e.g. ABB EVG 1x58/23 SF-B8)	10 EVG	10 EVG	18 EVG 1*	18 EVG 1*

* limited by the circuit protection device, e.g. B16 MCB

Notes



Notes





Your EIB-Partner

Pub. No.: 2CDC 500 007 B0201
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0001-0-0066