SecuriFire

Product Catalogue 2011

SECURITON

For your safety

Contents

Introduction

SecuriFire is a superbly adaptable life safety system, lending itself to medium and large building applications.

Virtually “no limits”

SecuriFire is a modular system uniquely designed to easily meet the needs of standalone installations or multi-node networked systems. A single node system supports up to 16 loop controllers with up to 250 devices per loop, depending on the loop protocol used (SecuriLine extended or standard). Up to 16 alarm panels can be networked in one sub-system. Up to 64 sub-systems can be networked to a virtually unlimited installation.

Fully Redundant - Totally Failsafe – 8 Zones Extinguishing

Consistency is the hallmark of any great organization or process. When it comes to fire detection systems, consistency is not a desired goal; it is a must. SecuriFire is the only 100% failsafe system on the market. It provides redundant processing exceeding the stringent EN54 requirements. Its full hardware redundancy and wiring flexibility are not found in any other system. The full hardware redundancy allows for eight (8) extinguishing zones per panel.

SecuriFire Studio

A powerful System Definition Utility program helps define system operations in a fraction of the time required by previous methods. Virtually all SecuriFire operating features are software controlled. This gives SecuriFire unparalleled flexibility and ensures operational changes, expansions and upgrades will be possible with ease, even years after the initial setup.

Superb User Interface

The high resolution LCD colour graphics display talks your language and is designed to reduce operator interactions in critical situations and maximize design flexibility for custom systems. In addition to front panel control and annunciation, Securiton’s Universal Management System (UMS) provides desktop control and messaging in the familiar Windows environment. It gives the user access to all security installations - including fire detection, intrusion alarm, access control and CCTV – in one simple and intuitive interface.

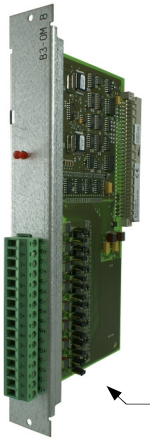
Tested & Certified

All SecuriFire system modules are tested against EN standards and certified by VdS.

Example of a typical entry for an item

Product Type & Order Code
Always use this order code for ordering.

Module for monitored outputs



B3-OM8 **4300580-0002**

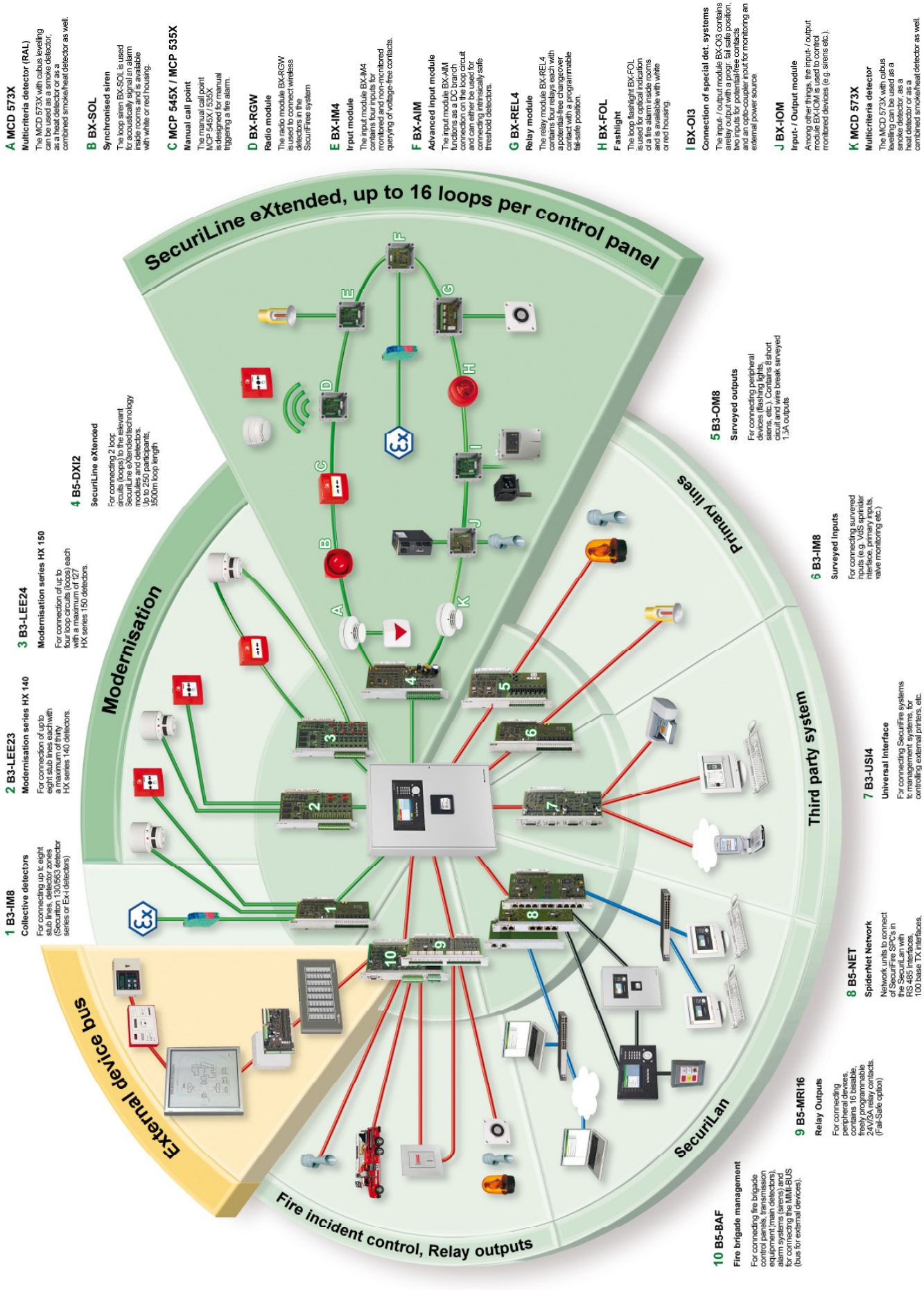
For connecting peripheral devices (flashing lights, sirens etc.); with eight 1.5 A controller outputs monitored for short circuits and wire breaks.

Technical data	
Operating voltage	20 to 30 V DC
Current consumption	60 mA
Ambient temperature	-5 °C to +45 °C
Dimensions (H x W x D)	120 x 60 x 50 mm

Illustration

Description and technical data

SecuriFire 3000 System Overview



1. System Modules

1.1. SecuriFire 3000 fire alarm control panel

Main Control Panel

3010

3020

3030

B5-SCP30XX

SecuriFire cabinet in basic configuration, consisting of:

- Sheet steel cabinet
- B5-MCB 15 main processor unit
- B5-PSU power supply unit
- Module rack with BUS backplane
- Power clips and battery cable
- Battery compartment (max. size 2 x 12 V/45 Ah)

Technical data

Mains voltage	230 VAC +15%/-20% 47-63 Hz
Input power:	max. 280 W
Output voltage:	26,3 VDC (+50°C) to 28,3 VDC (0°C)
Output current:	7,5 A
Quiescent current:	74 mA (without operating panel, without printer)
Batteries that can be used:	2 pcs. 12 V / 38...40 Ah in series
Emergency power supply with batteries:	72 h normal operation + 0.5 h alarm
Protection class (DIN 40050):	IP 30
Ambient temperature:	0° to +50°C
Rel. air humidity:	5 to 95%, without condensation
Air pressure:	≥ 80 kPa, up to 2,000 m above sea level
Case:	sheet steel, grey
Dimensions:	600 x 445 x 225 mm (HxWxD)
Weight of basic version:	23.5 kg (without batteries)

Ordering Information:

Description	Type	Art. No.
SecuriFire 3000 basic version with full door	B5-SCP3010	FG054100
SecuriFire 3000 cabinet with cutaway for built-in operating panel	B5-SCP3020	FG054101
SecuriFire 3000 cabinet with cutaway for built-in operating panel and log printer	B5-SCP3030	FG054102

1.2. Accessories for SecuriFire Control Panels

Accessories and spare parts

Description	Type	Art. No.
Blind plate for covering free slots	B3 BLIND	FG06240-9
Endless paper for printer	PD PPR	PPF-519057
Color cassette for printer	PD FRB	HG694076
SD-CARD for B5/B6-MCU	SD-CARD 2GB	FG020325
Battery current measure cable	B3 KAB PSU5	FG81720
Battery current measuring cable	KAB PSU	FG81720
Ethernet cable 3m for connection Service PC-MCB15	on demand	on demand
Ethernet cable 5m for connection Service PC-MCB15	on demand	on demand
Distance frame for additional 20mm space	on demand	on demand

1.3. Indication and operation panels, external

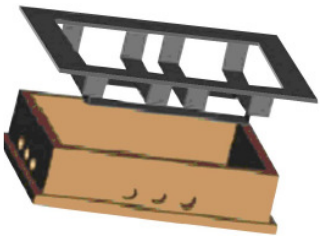
Built-in main control panel, for RS485 SCP-network connection

B5 MIC711 **FG054510**

The SecuriFire B5-MIC711 Indicator & Operating Panel are used for external indication and operation of the SecuriFire fire alarm control panel. From this panel, it is possible to send any command to the system, as well as to display the system status of all devices.

Technical data

Operating voltage:	22 to 30 V
Quiescent current:	213 mA
Ambient temperature:	-5° to +50°C
Dimensions:	276 x 170 x 52(HxWxD)
Display:	5.7” TFT colour



FME 73-1 **12-4400015-01-01**

Flush Mounting Equipment for MIC 711

Fire brigade indication Map

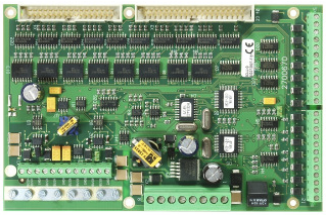
B3-MMI-FAT **FG050403**

Indicator panel conforming to the requirements of DIN 14662, including an LCD display, case and controller module with keys and LEDs. Visually displays the more important operating states of fire alarm control panels to ensure simple and uniform operation of a fire alarm system by fire brigade members. A fire brigade control panel in accordance with DIN 14661 can also be connected to the fire brigade display panel.

Technical data

Operating voltage:	22 to 30 V
Quiescent current:	21 mA
Data transmission:	MMI-BUS
Electrical:	galvanically isolated RS 485
Protocol:	serial, DIN 19244-3
Distance to subcontrol unit:	max. 1200 m
Protection class:	IP 30
Ambient temperature:	0° to +50°C
Dimensions:	185 x 255 x 65 mm (HxWxD
Dimensions without case:	180 x 240 x 40 mm (HxWxD
Case colour:	grey RAL 7032
VdS-Approval:	G206116

Mimic Panel Interface



B3-MMI-UIO **EG072827**

For controlling the floor plan and parallel display panels or as a remotely located input/output module for querying potential-free contacts (sprinkler systems), or also for controlling non-monitored horns, lamps, relays etc.

Technical data

Operating voltage:	10 to 30 V
Current consumption:	14 mA
Data transmission: Electrical: Protocol:	MMI-BUS galvanically isolated RS 485 serial, DIN 19244-3
Distance to subcontrol unit:	max. 1200 m
Connection:	Floor plan panels, parallel indicator panels, flashing lights, sirens, horns, sprinkler systems, etc.
Connection information:	64 LED outputs 2 mA max. 256 LED outputs per control panel 8 open collector outputs up to max.100 mA output voltage max. +30 V 8 inputs with 8 outputs can be interconnected as an 8 x 8 matrix input voltage +5 V input current max. 3.3 mA
Ambient temperature:	0° to +50°C
Dimensions:	160 x 105 x 20 mm
VdS-Approval:	G200116
CPD-Certificate:	0786-CPD-20422

Accessories

Description	Type	Art. No.
34 pole ribbon cable (1 m)	UIO KAB 34	FG81725
40 pole ribbon cable (1 m)	UIO KAB40	FG81726
Jumper 953R f. B3-IM8 (8 pcs.)	JUMP-IM8-953R	FG74113
Jumper 110R f. B3-IM8 (8 pcs.)	JUMP-IM8-110R	FG74114

UIO GEH **FG69041**

Plastic case for fitting the module B3-MMI-UIO.

Technical data

Protection class:	IP 66 flame resistant
Ambient temperature:	up to +70°C
Case colour:	grey RAL 7035
Case Dimensions:	182 x 180 x 90 mm (HxWxD)

UIO STP **FG05203**

The UIO STP steel mounting board consists of a zinc-plated sheet steel plate with 5 insertion pins and is used to fix the B3-MMI-UIO module in the plastic case.

Technical data

Dimensions:	150 x 173 x 1,5 mm

External LED indicator panel for 64 detector zones

B3-MMI-EAT64-2 **FG050251**

B3-MMI-EAT64 BFE (w/o housing / for panel integration) **FG81623-9**

LED indicator panel for indication of alarm, fault and disablement states for 64 detector zones. The labelling uses push-in strips (not supplied) with the device also available without a case for fitting in switching cabinets.

Technical data

Operating voltage:	10 to 30 V
Quiescent current:	2 mA per lit LED
Data transmission: Electrical: Protocol:	MMI-BUS galvanically isolated RS 485 serial, DIN 19244-3
Distance to subcontrol unit:	max. 1200 m
Protection class:	IP 30
Ambient temperature:	0° to +50°C
Dimensions:	228 x 445 x 48 mm (HxWxD)
Case colour:	gray

External LED indicator panel for 8 extinguishing zones

B3-MMI-IPEL-2 **FG051250**

B3-MMI-IPEL BFE(w/o housing / for panel integration) **FG81621-9**

External LED indicator panel for eight extinguishing zones (twelve LEDs per extinguishing zone and group indicator with nine LEDs), including case, key switch and controller module. The labelling uses push-in strips (not supplied) with the device also available without a case for fitting in switching cabinets.

Technical data

Operating voltage:	10 to 30 V
Quiescent current:	2 mA per lit LED
Data transmission: Electrical: Protocol:	MMI-BUS galvanically isolated RS 485 serial, DIN 19244-3
Distance to subcontrol unit:	max. 1200 m
Protection class:	IP 30
Ambient temperature:	0° to +50°C
Dimensions:	228 x 445 x 48 mm (HxWxD)
Case colour:	red RAL 3000

Fire brigade panel SV

B3-MMI-FPS **FG050402**

(not released yet)

Intervention panel SV

B3-MMI-IPS **FG050404**

(not released yet)

1.4. Protocol Printer, external

Built-in main control panel, for RS485 SCP-network connection

B5-MIC-PPE **20-1230002-01-01**

For logged events. In map case suitable for B5-MIC711.

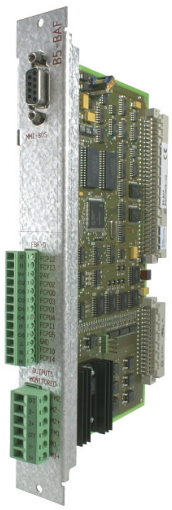
Technical data

Operating voltage:	10 to 30 V
Quiescent current:	0 mA
Power Consumption (print):	35 mA
Protection class:	IP 30
Ambient temperature:	0° to +50°C
Dimensions (with case):	170 x 138 x 62 mm
Dimensions (without case):	95 x 58 x 31 mm
Case colour:	grey

1.5. SCP 3000 Modules

All modules and components of the SecuriFire system are redundant for system availability reasons, which also guarantee in the event of a fault that indication information, signal processing and the controlling of all connected fire alarm devices is ensured.
The module rack of every SecuriFire 3000 always contains the B5-MCB 15 main processor unit connected in slot 1 whilst the B5-PSU power supply unit is always connected in slot 10. If one of the networking modules of types B5 LAN, B5-NET2-485 or B5-NET4-485 is used, then this must be connected to connection slot 2.
Slots 11 to 13 are solely for connecting relay modules of types B3-REL10/16/16E, with connection slots 3 to 9 suitable for the fitting of all other types of module as required. When using connection slots 11 to 13, then one of the modules of the type B5-BAF, B5-MRI16 or B3-LPI must be connected to connection slot 9. The connector plugs for the B3-REL10, B3-REL16(E) and B5 MRI16 relay modules must be ordered separated, with the connector plugs for all other modules being supplied.

Control Module



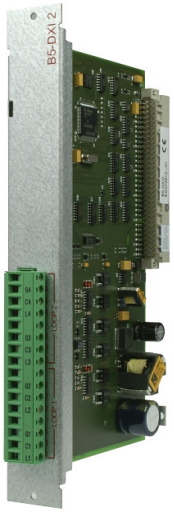
B5 BAF **EG072908**

For connecting fire brigade control panels, transmission equipment (main detectors), alarm systems (sirens) and for controlling the relay bus. The module also controls an interface for the MMI-BUS (bus for external devices) to which external operating panels and the Austrian fire brigade operating panel among other devices are connected.

Technical data

Power supply:	internally via the system BUS
Current consumption:	typically 35 mA with output controller turned on without peripheral current
Ambient temperature:	0° to +50°C
Relay bus interface:	for B3-REL10 or B3-REL16(E)
Interface FBP (DIN14661): Transmission type: Range:	12 pin connectable screw clip plug parallel, bidirectional max. 5 m
OM1 interface:	Transmission equipment or monitored output, 26 V/1.5 A
OM2 interface:	monitored output, 26 V/1.5 A
OM1 interface:	Transmission equipment or monitored max. 1200 m
MMI-BUS interface:	galvanically isolated RS 485, max. 1200 m

Module for X-LINE



B5-DXI2

EG072912

For connecting two loop circuits (loops) to the relevant detectors and SecuriLine eXtended technology modules. Alternatively one loop circuit and two stub lines or four stub lines can be connected.

- Controlling digital loop communications and backing up of data
- Detectors can be linked via modules and subcontrol units
- Alarm criteria and control criteria can be linked
- Disablement of individual detectors
- Evaluation of detector states (contamination recognition)
- Monitoring of all detectors and modules that are attached
- Localisation of wire breaks and short circuits on the loop

Technical data

Power supply:	internally via the system BUS
Current consumption:	ca. 35 mA typ.
Ambient temperature:	0° to +50°C
Elements:	2 Loop circuits, each with max. 250 devices
Logical elements:	max. 750 per B5-DXI2
Short circuit isolator:	integrated into detectors and controller modules
Individual detector identification:	integrated as standard
Cable:	1 x 2 x 0,8 mm shielded (Standard)
Loop length:	max. 3500 m
Max. line resistance:	255 Ω

Network module

B5-NET2-485 **EG072910**

For redundant networking SecuriFire control panels or for redundant connection of PC applications. The module consists of two network connectors (RS 485 interface) and two 100 Base TX interfaces. On the front side there are 6 RJ 45 sockets for connecting from the subcontrol unit network and to the Ethernet. The module can only be fitted in connection slot 2 in the module rack.

Technical data

Power supply:	internally via the system BUS
Current consumption:	120 mA
Transmission type:	TCP/IP
Physical characteristics:	6 x RJ-45 sockets - 8 pole
Direction:	bidirectional, full-duplex
LAN- interfaces:	2 x Ethernet 100 Base TX
Speed:	max. 100 Mbit/s
Distance:	max. 100 m
RS485-interfaces:	2 x RS485 with redundant cabling of which 1 galvanically isolated
Speed:	max. 2,5 Mbit/s
Distance:	max. 1200 m
Cable:	UTP Cat5

Network module

B5-NET4-485 **EG072915**

For redundant networking of SecuriFire control panels or for redundant connection of PC applications. The module consists of four network connectors (RS 485 interface) and two 100 Base TX interfaces. On the front side there are 10 RJ45 sockets for connecting from the subcontrol unit network and to the Ethernet. The module can only be fitted in connection slot 2 in the module rack.

Technical data

Power supply:	internally via the system BUS
Current consumption:	127 mA
Transmission type:	TCP/IP
Physical characteristics:	10 x RJ-45 sockets - 8 pole
Direction:	bidirectional, full-duplex
LAN- interfaces:	2 x Ethernet 100 Base TX
Speed:	max. 100 Mbit/s
Distance:	max. 100 m
RS485-interfaces:	4 x RS485 with redundant cabling of which 2 galvanically isolated
Speed:	max. 2,5 Mbit/s
Distance:	max. 1200 m
Cable:	UTP Cat5

Network module

B5-LAN **EG072903**

For non-redundant networking of SecuriFire control panels and for non-redundant connection of PC applications. Two 8 pole RJ-45 sockets can be found on the front side of the module. The module can only be fitted in connection slot 2 in the module rack.

Technical data

Power supply:	internally via the system BUS
Current consumption:	0 mA
Ambient temperature:	0° to +50°C
Transmission type:	TCP/IP
Physical characteristics:	2 x RJ-45 sockets - 8 pole
Direction:	bidirectional, full-duplex
LAN- interfaces: Speed: Distance:	Ethernet 100 Base TX max. 100 Mbit/s max. 100 m

Universal Interface Module

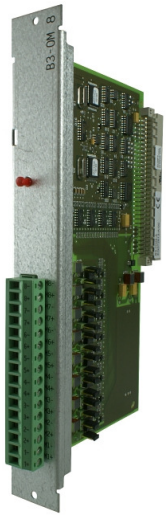
B3-USI4 **EG072815**

For connecting SecuriFire subcontrol units to control systems, for controlling external printers, pagers, ComBOX units, telephone servers etc. A total of 4 redundant, serial, asynchronous interfaces can be used as redundant RS 485 connections in half-duplex mode (for loops) or as non-redundant RS 422 connections in full-duplex mode (for lines). Furthermore, two of the four interfaces can also be operated as RS 232 in full-duplex operation (line) each with 2 control circuits. The selection of each interface's operating mode is done by programming and hardware configuration. A maximum of five B3-USI4 units can be fitted per subcontrol unit.

Technical data

Power supply:	internally via the system BUS
Current consumption:	20 mA
Ambient temperature:	0° to +50°C
Range:	RS 485 = 1200 m RS 232 = 15 m
Transmission type:	serial, asynchronous
Baud rate:	57,6 kBaud
Interfaces:	2x2 redundant half-duplex RS 485, also full-duplex operation, galvanically isolated 2 redundant RS232 interfaces, galvanically Isolated

Module for monitored outputs



B3-OM8 **EG072813**

For connecting peripheral devices (flashing lights, sirens etc.); with eight 1.5 A controller outputs monitored for short circuits and wire breaks. The maximum total output current for outputs 1 to 4, and for outputs 5 to 8 is 3A, with the total output current of the module being dependent on the capacity of the power supply unit and how the system is configured.

Technical data

Power supply:	internally via the system BUS
Current consumption:	9 mA
Ambient temperature:	0° to +50°C
Output voltage:	22 V min. / 24 V typ. / 28 V max.
Output current:	1,5 A max.
Short circuit current:	1,77 A min. / 2,17 A Type. / 3,14 A max.

Load Range	Controlling current	Line resistance
Range 1 (354-1000 Ω)	1 mA	max. 50 Ω
Range 2 (85-354 Ω)	3 mA	max.20 Ω
Range 3 (16-85 Ω)	15 mA	
max. 5 Ω		

Module for monitored inputs

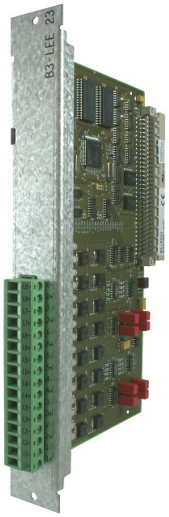
B3-IM8 **EG072855**

For connecting up to eight stub lines, which can either be configured as detector zones (130 detector series detectors) or as monitored inputs (e.g. VdS extinguishing interface, primary inputs, valve monitoring etc.). The operating mode of the individual stub lines can be set independently of one another using programming and jumper cap settings on the module.

Technical data

Power supply:	internally via the system BUS
Current consumption:	9 mA
Ambient temperature:	0° to +50°C
Connection:	8 detector zones or 8 monitored inputs

Module for 140 detector series



B3-LEE23

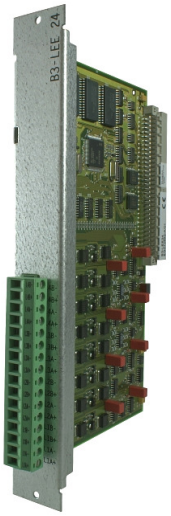
EG072851

For connecting up to eight stub lines each with a maximum of 30 series 140 detectors. A maximum of five B3-LEE23 modules can be fitted to connection slots 2 to 8 of a SecuriFire module rack, however this module is only permitted for use in cases where the system is being reconditioned due to the terms of the approvals of the module.

Technical data

Power supply:	internally via the system BUS
Current consumption:	22 mA
Ambient temperature:	0° to +50°C
Detector zones:	max. 8 logical detector zones per stub line
Addressing:	the hardware address assigned to the detector can be assigned whatever logical software address is required
Wiring length:	max. 1000 m

Module for 150 detector series



B3-LEE24

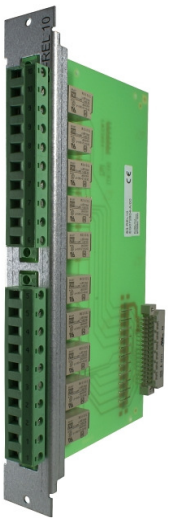
EG072852

For connecting up to four loops each with a maximum of 127 series HX 150 detectors. A maximum of five modules of type B3-LEE24 can be fitted in connection slots 2 to 8 of the module rack of an securiFire module rack. However this module is only permitted for use in cases where the system is being reconditioned due to the terms of the approvals of the module.

Technical data

Power supply:	internally via the system BUS
Current consumption:	27 mA
Ambient temperature:	0° to +50°C
Devices/Elements:	4 loop circuits each with max. 127 devices
Addressing:	the hardware address assigned to the detector can be assigned whatever logical software address is required
Range:	max. 1000 m

Relay module



B3-REL10

EG072804

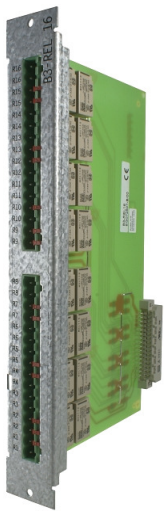
The module contains 10 bistable, freely programmable 230 V/3 A relay contacts. Whether a contact is a make contact or a break contact is ascertained by configuration using software. By programming a fail-safe position the status of every individual relay can be defined in the event of a supply voltage failure or the fire alarm control panel being switched off. A module of type B5-BAF or B5-MRI16 must be fitted to connection slot 9 of the SecuriFire module rack for controlling the relay. Module B3-REL10 can only be fitted to connection slots 11 to 13 of the module rack.

Technical data

Power supply:	internally via the system BUS/Relay BUS
Ambient temperature:	0° to +50°C
Relay construction:	bistable
Contact resistance:	30 mΩ
Maximum switching surge:	230 VAC/ 125 VDC
Max. switching current:	3A both poles routed to terminals

Caution: The connection plugs for the relay outputs are not shipped with the module and must be ordered separately

Relay module



B3-REL16

EG072807

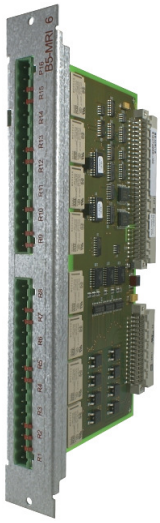
The module contains 16 bistable, freely programmable 24 V/3 A relay contacts and is used for controlling sirens, holding magnets, relays etc. Whether the contact is a make or break contact is determined by software-based programming. By programming a fail-safe position the status of every individual relay can be defined in the event of a supply voltage failure or the fire alarm control panel being switched off. A module of type B5-BAF or B5-MRI16 must be fitted to connection slot 9 of the SecuriFire module rack for controlling the relays. Module B3-REL16 can only be fitted to connection slots 11 to 13 of the module rack.

Technical data

Power supply:	internally via the system BUS/Relay BUS
Ambient temperature:	0° to +50°C
Relay construction:	bistable
Contact resistance:	30 mΩ
Maximum switching surge:	30 VAC/ 30 VDC
Max. switching current:	3A both poles routed to terminals

Caution: The connection plugs for the relay outputs are not shipped with the module and must be ordered separately

Relay module



B5-MRI16

EG072956

The module czntains 16 bistable, freely programmable 24 V/3 A relay contacts. Whether a contact is a make contact or a break contact is ascertained by configuration using software. By programming a fail-safe position the status of every individual relay can be defined in the event of a supply voltage failure or the fire alarm control panel being switched off. The B5-MRI16 can be fitted in any of connection slots 2-9 of the SecuriFire module rack and also contains an interface for controlling the relay bus. By fitting the module to connection slot 9, relay modules of type B3-REL10, B3-REL16 and B3-REL16E can also be controlled.

Technical data

Power supply:	internally via the system BUS/Relay BUS
Current consumption:	6 mA typ. (battery current)
Ambient temperature:	0° to +50°C
Relay construction:	bistable
Contact resistance:	30 mΩ
Maximum switching surge:	30 VAC/ 30 VDC
Max. switching current:	3A both poles routed to terminals

Caution: The connection plugs for the relay outputs are not shipped with the module and must be ordered separately

Relay module

B3-REL16E

EG072822

Identical to module B3-REL16 in terms of technical specifications and function, but with additional fused relay contacts (the fuses are not monitored) and resistors (3.3kΩ monitoring resistance and 680 Ω working resistance) for use as a VdS extinguishing interface. Using jumpers it is possible to choose between normal relay contacts and VdS interfaces.

Technical data

Contact protection	Micro Fuse 3,15 A SLOW

Delivery content: The connection plugs for the relay outputs are not shipped with the module and must be ordered separately (see below).

1.6. Accessories for B3/B5 Modules

Description	Type	Art. No.
Connector REL10 Terminal plug, bent (2 units, screwable on the side)	ST-SET REL10 W	FG74103
Connector REL10 Terminal plug, straight (2 units, screwable frontal)	ST-SET REL10	FG74104
Connector REL16, REL16E, MRI Terminal plug, bent (2 units, screwable on the side)	ST-SET REL16 W	FG74105
Connector REL16, REL16E, MRI Terminal plug, straight (2 units, screwable frontal)	ST-SET REL16	FG74106
PC cable RS 232/USI to SLS, 15m	PC Cabel RS232/USI	FG022047

1.7. Fibre Optic Modems

(soon to be released)

1.8. Spare Parts

Built-in main control panel

B5-MIC11 **FG054500**

Installed in SecuriFire control units of the Series 3000. User-friendly full control with “SecuriWheel” rotating wheel and clearly organised system icons.

Technical data

Operating voltage:	22 to 30 V
Quiescent current:	213 mA
Ambient temperature:	-5° to +50°C
Dimensions (HxWxD):	276 x 170 x 35
Display:	5.7” TFT colour

Main processor unit

B5-MCB15 **EG072970**

The B5-MCB15 communicates with all other modules and with the operating panel, manages configuration data and the system clock, and undertakes all processes that are necessary for the logical behaviour of the system. System states are indicated using LEDs, with the loading of software and configura-tion files, as well as system diagnostics is carried out using a PC via a Ethernet device (service) interface located on the front panel. An interface (slot) for a SD card for saving events. The B5-MCB15 is shipped as standard with all SecuriFire 3000 control panels.

Technical data

Power supply:	via system bus from B5-PSU
Quiescent current:	38 mA typ. (battery current)
Operating voltage:	Battery voltage VL+22 V .. 30 V Logic voltage VCC+5,0 V ± 5%Logic voltage VCC+3,3V ± 5%
Service interface:	Ethernet Port RJ 45
Ambient temperature:	0° to +50°C
Rel. air humidity:	5 to 95 %, without condensation

Power supply unit

B5-PSU

EG072918

The B5-PSU 7A power supply supplies the supply voltages required inter-nally by every SecuriFire control panel - 3.3V, 5 V and 27 V. It feed in standby and parallel operation two 38...40Ah rechargeable cells for supplying emergency power and also makes five separately fused 27 V outputs for external devices via connectable screw-type terminals. The rechargeable cell monitoring circuitry present on the module is controlled and evaluated by the B5-MCU main processor unit. The B5-PSU power supply unit is shipped as standard with all SecuriFire control panels.

Technical data

Mains supply voltage / frequency:	230VAC +15%/-20% 47-63Hz
Outputs for external devices:	5 x 27 V, 2,5 A FF
Current uptake:	max. 280 VA

Accessories and Spare Parts for SecuriFire 3000 control panels

Ordering Information:

Description	Type	Art. No.
System bus circuit board	B5-BUS	EG072919
Printer-interface for internal operation panel	B5-PIF	EG072906
Bus circuit board	B3-BSR 5	EG072820
Board mounting support	B3-BGT	FG67020
Printer-interface for external operation panel	B5-PIE-A	EG072914
Printing device for protocol printer	B5-PDR-DW	FG030550
External Indicator Panel for 64 DZ w/o housing	B3-MMI-EAT64 BFE	FG81623-9
Indicator Panel for 32 DZ without housing	B3-MMI-EAT32 BFE	FG81622A9F
External Indicator Panel for 8 exting. zones w/o housing	B3-MMI-IPEL BFE	FG81621-9
Battery cable set	B5 BATKAB1	FG29910
Battery cable set long	B5 BATKAB2	FG29911
Service pin	B3 SERVST	FG78801

Connection socket for SecuriFire 3000 modules

Description	Type	Art. No.
Connector for B5-DXI2 16 pole connector for detector zones/inputs	ST-DAI2	YY970138
Connector for B3-IM8 16 pole connector for inputs	ST-MTI8	FG74087
Connector for B3-OM8 16 pole connector for monitored outputs	ST-OM8	FG74095
Connector for B3-REL10 2 connectors for relay outputs can be connected sideways 2 connectors for relay outputs can be connected front on	ST-SET REL10W ST-SET REL10	FG74103 FG74104
Connector for B3-REL16(E) 2 connectors for relay outputs can be connected sideways 2 connectors for relay outputs can be connected front on	ST-SET REL16W ST-SET REL16	FG74105 FG74106
Connector for B5-BAF 6 pole connector for monitored outputs 9 pole solder lug connector for MMI-BUS 9 pole IDC connector for MMI-BUS	ST-BAF-OM ST-BAF-MMI-L ST-BAF-MMI-S	FG74088 FG74086 FG74085
Connector for B5-PSU 10 pole connector for external devices	ST-PSU EV	FG74090
Connector BAF/FBD	ST-BAF-FBD	YK130459
9 pin solder plug for B3-LPI/USI4/HFI	ST-LPI/USI4/HFI	FG74097
Connector USI4	ST-USI4	FG74098

2. SecuriLine® eXtended Modules

In-/Output Module

BX-OI3 **20-2100001-01-01**

Contains a relay output with a programmable fail-safe position, two inputs for monitored querying of potential-free contacts and an optocoupler input which can be used, if required, for monitoring external voltages. In addition, the voltage on the loop circuit is internally monitored for undervoltage. The BX-OI3 is particularly well-suited for connecting special detectors (flame and line detectors, smoke aspirating systems etc.) using the SecuriLine eXtended. Both the addressing of the module and the setting of parameters for connected special detectors (e.g. how they behave when there is an alarm or a fault) is carried out via the fire alarm control panel using PC software.
An IP 66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required. Shipped including 4 180 Ohm resistors for the monitored inputs.

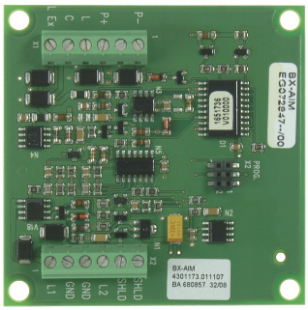
Technical data

Operating voltage:	12 bis 30 V
Power consumption:	typ. 550 µA
Signal transmission:	serial, 2 wire technology
Relay output:bistable change-over contact 230 V/2A(max. 60W)	
Monitored inputs:	for potential-free contacts
Optocoupler input:	Querying of potentially-bound signals, or external voltages from 0 to 30 VDC
Connection:	screw clips, maximum 1.5 mm²
Short circuit isolator:	integrated
Protection class:	IP 66 with case
Ambient temperature:	-20° bis +60°C
Rel. air humidity:	5 to 95% without condensation
Dimensions:	67 x 67 x 20 mm with case: 94 x 94 x 57 mm
Case:	Polystyrol, halogen-free
Colour:	grey (RAL 7035)
VdS-Approval:	applied for
CPD-Certificate:	applied for

Accessories:

Description	Type	Art. No.
IP66 case for loop module	GEH MOD IP66	FG020234
Stepped nipple M 20	MM SN M20	MM000181

Advanced Input Module



BX-AIM **20-2100005-01-01**

Can be configured as a monitored input for querying potential-free contacts or as a collectively addressable detector zone (DC technology). The monitored input can, if required, be used as a standard extinguishing interface in accordance with VdS directives, and furthermore a balancing function of the fault thresholds for the quiescent current level is also possible (pursuant to EN 54-13 or VdS 2489). By interconnecting a Zener barrier and by using intrinsically safe detectors it is also possible to monitor hazardous areas. An IP 66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required. Supplied including an alarm resistor (560 Ohm) and a terminating resistor (19k1).

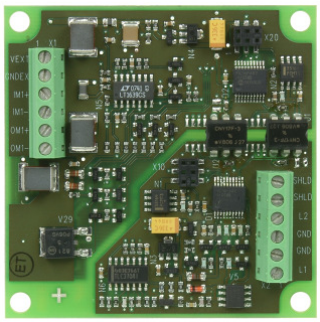
Technical data

Operating voltage:	10 bis 29 VDC (from the loop circuit)
Power consumption:	without DC branch: Type 460 µA with DC branch: Type. 1800 µA
Signal transmission:	serial, 2 wire technology
Function:	DC branch module, monitored input
Connection:	screw clips, maximum 1.5 mm²
Short circuit isolator:	integrated
Protection class:	IP 66 with case
Ambient temperature:	-20° bis +60°C
Rel. air humidity:	5 to 95%, without condensation
Dimensions:	67 x 67 x 20 mm with case: 94 x 94 x 57 mm
Case:	Polystyrol, halogen-free
Colour:	grey RAL7035
VdS-Approval:	G208138
CPD-Certificate:	0786-CPD-20601

Accessories:

Description	Type	Art. No.
IP66 case for loop module	GEH MOD IP66	FG020234
Stepped nipple M 20	MM SN M20	MM000181
Ex-i end of line resistor 19k1	EOL Ex 19k1	4301190

BX-IOM Input/output module



BX-IOM **20-2100002-01-01**

For controlling monitored devices, which are supplied with power by an external power supply (e.g. sirens etc.). The module contains a short circuit resistant monitored output (suitable for continuous operation of fur a configurable pulse emission with emission time limitation) and a galvanically isolated input which can be used either as a voltage input or for external voltage monitoring. In addition, the voltage on the loop circuit is internally monitored for undervoltage. Both the addressing of the module and the setting of its parameters, which are set separately for every input, are carried out using PC software via the fire alarm control panel.
An IP 66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required.

Technical data

Operating voltage:	12 bis 30 V
Power consumption:	430 µA
Signal transmission:	serial, 2 wire technology
Function:	1 short circuit resistant monitored output 1 optocoupler input
Connection:	screw clips, maximum 1.5 mm²
Monitored output:	Loads of 20 Ω to 1kΩ, 3 load ranges
Output current:	max. 1,3 A short circuit resistant
Quiescent current:	1 to 15 mA can be set using software
Optokoppler input:	IM1+: 20-30V VEXT: 20-30V
Short circuit isolator:	integrated
Protection class:	IP 66 with case
Ambient temperature:	-20° bis +60°C
Rel. air humidity:	5 to 95% without condensation
Dimensions:	67 x 67 x 20 mm with case: 94 x 94 x 57 mm
Case:	Polystyrol, halogen-free
Colour:	grey RAL 7035
VdS-Approval:	applied for
CPD-Certificate:	applied for

Accessories:

Description	Type	Art. No.
IP66 case for loop module	GEH MOD IP66	FG020234
Stepped nipple M 20	MM SN M20	MM000181

BX-REL4 Relay module

BX-REL4 **20-2100004-01-01**

Contains 4 relays each with a potential-free double-throw contact with a switching capacity of up to 2 A and up to 230 V. The BX-REL 4 is also suitable for emitting switching impulses. The relay outputs can be switched to a fail-safe position in the event of voltage loss on the loop circuit, and the voltage on the loop circuit is also internally monitored for under voltage. Both the addressing of the module and the setting of its parameters, which are set separately for every input, are carried out using PC software via the fire alarm control panel. An IP 66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required.

Technical data

Operating voltage:	12 bis 30 V
Power consumption:	typ. 510 µA
Signal transmission:	serial, 2 wire technology
Function:	4 potential-free relay outputs
Connection:	screw clips, maximum 1.5 mm²
Relay output connection:	screw clips, maximum 2.5 mm²
Length of wires:	max. 100 m
Short circuit isolator:	integrier
Protection class:	IP 66 with case
Ambient temperature:	-20° bis +60°C
Rel. air humidity:	5 to 95% without condensation
Relay output:	bistable change-over contact 230 V/2 A
Switching power:	60 W (230 V, 0.25 A)
Switching frequency:	max. 3.125 Hz
Pulse emission:	200 ms- 25 s in 100 ms intervals
Dimensions:	67 x 67 x 20 mm with case: 94 x 94 x 57 mm
Case:	Polystyrol, halogen-free
Colour:	grey RAL 7035
VdS-Approval:	applied for
CPD-Certificate:	applied for

Accessories:

Description	Type	Art. No.
IP66 case for loop module	GEH MOD IP66	FG020234
Stepped nipple M 20	MM SN M20	MM000181

BX-IM4 Input module

BX-IM4 **20-2100003-01-01**

For indication and monitoring of various types of acknowledgements, e.g. door contacts, fire zones, extinguishing systems, sprinkler messages, etc. The module contains 4 inputs for monitored and non-monitoring querying of potential-free contacts, which are suitable for processing switching states of longer than 330ms. Both the addressing of the module and the setting of its parameters, which are set separately for every input, are carried out using PC software via the fire alarm control panel. An IP 66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required.

Technical data

Operating voltage:	12 bis 30 V
Power consumption:	typ. 450 µA
Signal transmission:	seriell, 2-Leiter-Technik
Function:	4 inputs for monitored or non-monitored querying of potential-free contacts
Connection:	screw clips, maximum 1.5 mm²
Short circuit isolator:	integrated
Protection class:	IP 66 with case
Ambient temperature:	-20° bis +60°C
Rel. air humidity:	5 to 95%, without condensation
Dimensions:	67 x 67 x 20 mm with case: 94 x 94 x 57 mm
Case:	Polystyrol, halogen-free
Colour:	grey RAL 7035
VdS-Approval:	applied for
CPD-Certificate:	applied for

Accessories:

Description	Type	Art. No.
IP66 case for loop module	GEH MOD IP66	FG020234
Stepped nipple M 20	MM SN M20	MM000181

BX-ESL End position switch

BX-ESL **20-2100007-01**

End position switch for deployment in sprinkler monitoring and for blocking systems. The module contains an optical light barrier which measures the movement of an activation plunger. The cables are fed into the unit using PG connection joints, with connection to the loop module being via 3 screw-type terminals. Both the addressing of the module and the setting of its parameters are carried out using PC software via the fire alarm control panel. The BX-ESL is fitted in a plastic case with IP 65 protection class and is delivered incl. 2 connection joints.

Technical data

Operating voltage:	12 bis 30 V
Power consumption:	without lit LED: 400 µA with lit LED: 1300 µA
Signal transmission:	serial, 2 wire technology
Function:	1 optical light barrier
Response Time:	500 ms
Connection:	screw clips, maximum 1.5 mm²
Short circuit isolator:	integrated
Protection class:	IP 65 with case
Ambient temperature:	-20° bis +60°C
Rel. air humidity:	5 to 95%, without condensation
Dimensions:	58 x 58 x 34 mm with case
Case:	PA-Taromid (Thermoplastic)
Colour:	case red (RAL 3016) cover black (RAL 9005)
VdS-Approval:	applied for
CPD-Certificate:	applied for

3. SecuriLine® Modules

In- output module, SecuriLine® (standard)

COM 81-3		**4300458-0003**
COM 81-4	(incl. Inst. box DOS 816 and cover contact access. DKZ 82)	**4300458-0004**
COM 81-5	(incl. Inst. box DOS 816)	**4300458-0005**
COM 81-6	(incl. Inst. box Rittal IP66)	**4300458-0006**

Command module for control and signal reception
Provides 1 relay output and 1 input, freely programmable
–with distance holders, no box

Technical data

Operating voltage	15 to 30 V DC
Operating current, constant	0.5 mA
Relay contact	50 VDC /1 A
Ambient temperature	-5 °C to +45 °C
Dimensions (H x W x D)	42 x 39 x 15 mm
VdS-Number	G 200029

Single detector interface module, SecuriLine®

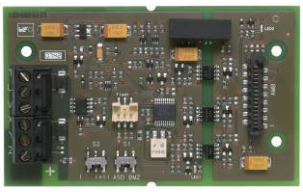
SDI 82A		**4300808-0001**
SDI 82A/1	(incl. installation box DOS 816)	**4300458-0005**

Addressing module for detectors, contacts, controls and signalling devices.
–With emergency alarm transmission.
–Provides 3 inputs and 1 open collector output, freely programmable
–**Errore. L'origine riferimento non è stata trovata.**

Technical data

Operating voltage	15 to 30 V DC
Operating current, constant	0.5 mA
Ambient temperature	-55 °C to +70 °C
Colour	red
Dimensions (H x W x D)	32 x 22 x 14 mm

SecuriLine® interface module, SecuriLine®



SLM 35		**4000286-0101**

Loop interface board for ASD 535 Aspirating Smoke. Fits into the housing of the ASD 535. Provides short circuit isolation and allows for full control of the ASD 535 by SecuriFire.

Technical data

Operating voltage (from AMB35)	5 V DC
Operating current max.	20 mA
Dimensions (H x W x D)	95 x 58 x 17 mm

3.1. Accessories for SecuriLine® Modules

Description	Type	Art. No.
Box for REL4	GEH MOD2 IP66	FG020235
Twist joint PG11 IP68	MM ANB M16	MM000185
Lock nut M16	MM GM M16	MM000186
Twist joint M12	MM ANB M12	MM000191
Twist joint M20	MM ANB M20	MM000192
Taper M20 - M12	MM RR M20 - M12	MM000193
Taper M25 - M12	MM RR M25 - M12	MM000194
Lock nut M12	MM GM M12	MM000195
Lock nut M20	MM GM M20	MM000196
Lock nut M25	MM GM M25	MM000197

4. Addressable Detectors SecuriStar®

SecuriStar fire detector (addressable)

MCD 573 **5000612-0111**

Combined smoke and heat detector with programmable detection behaviour smoke / heat or combined. Dust cap included.
–self monitoring of all detector parts
–automatic smoke alarm sensitivity through CUBUS-levelling
–constant sensitivity through dust compensation
– built-in short circuit isolator
–patented “Signature Alarm” for smoke and heat
–heat detection classes A1, A2, B and indices R&S for all classes
–100% backwards compatible to the STD531 and MTD533

Messages
–separate alarm signalisation for smoke and heat
–2 pre-warning levels 30% and 75% for smoke
–warning signal for high ambient temperature
–contamination level 1 and 2

Settings via SecuriFire
–smoke and/or heat part can be temporarily disabled.
–smoke sensitivity: 80%100%, 120%, 400%
–programmable control output
–heat class and index

Technical data

Operating voltage	16 to 30 V DC
Operating current (normal)	max. 0.25 mA
Ambient temperature	-20 °C to +60 °C
Protection class	(incl. USB 501) IP 44
Colour	white
Dimensions (D x H)	118.8 x 58.8 mm
Complies regulation	EN 54/7, EN 54/5, EN 54/17
VdS-Number	G 208195
CPD approval	0786-CPD-20605

SecuriStar fire detector

MCD 573 MC (multi colour) **5000612-0191**

Same as MCD 573, except:

Colour	available in RAL classic according to “Overview_RALcolours_deenfresitnl.xls”

SecuriStar fire detector

MCD 573 CP (coated print) **5000612-0151**

same as MCD 573, except:
–higher protection level of the electronic circuit board.
–more resistant in environments where the humidity can temporary reach a higher level.

SecuriStar fire detector

SCD 573 **5000610-0111**

Replacement for SSD531 and MSD533 in existing installations.
For new installations, the MCD573 shall be used.
Scattered light smoke detector. Optical detector for early detection of smothering and open fire.
–addressable
–self monitoring of all detector parts
–automatic smoke sensitivity through CUBUS-levelling
–Pre-warning and alarm level
–constant sensitivity through dust compensation
–100% backwards compatible to the SSD531 and MSD533

SecuriStar fire detector

TCD 573-1	**heat class A1**	**5100164-0111**
TCD 573-2	**heat class A2**	**5100164-0112**
TCD 573-3	**heat class B**	**5100164-0113**

Replacement for UTD531 and UTD533 in existing installations.
For new installations, the MCD573 shall be used.
Universal temperature detector for early detection of open fire creating a high temperature rise.
–addressable
–false alarm resistant alarm evaluation
–maximum and differential heat alarm

4.1. Conventional Detectors SecuriStar®

SecuriStar fire detector (conventional)

SCD 563 **5000611-0111**

Scattered light smoke detector. Optical detector for early detection of smothering and open fire.
–conventional
–automatic smoke alarm sensitivity through CUBUS-levelling
–self monitoring of all detector parts
–false alarm resistant alarm evaluation
–constant sensitivity through dust compensation

Technical data

Operating voltage	18 to 30 V DC
Operating current (normal)	0.12 mA
Ambient temperature	-20 °C to +60 °C
Protection class (incl. USB 501)	IP 44
Colour	white
Dimensions (D x H)	118.8 x 58.8 mm
Complies regulation	EN 54/7
VdS-Number	G 208198

SecuriStar heat detector (conventional)

TCD 563-1	**heat class A1**	**5100165-0111**
TCD 563-2	**heat class A2**	**5100165-0112**
TCD 563-3	**heat class B**	**5100165-0113**

Universal temperature detector for early detection of open fire creating a high temperature rise.
–conventional
–false alarm resistant alarm evaluation
–maximum and differential heat alarm
–100% backwards compatible to the UTD521 and UTD523
–Connection to SecuriLine via MDI module

Technical data

Operating voltage	18 to 30 V DC
Operating current (normal)	max. 0.15 mA
Ambient temperature	-20 °C to +70 °C
Protection class (incl. USB 501)	IP 44
Colour	white
Dimensions (D x H)	118.8 x 58.8 mm
Complies regulation	EN 54/5 A1 (A2, B)
VdS-Number	G 208199

4.2. Room Indication Lamps

Room indication lamp for SecuriStar® detector

RAL 720 **209708**

Detector alarm indication lamp for dry environment and surface mounting. 3 decoupled inputs for up to 3 detectors connected

Technical data

Operating voltage	6 to 30 V DC
Operating current	max. 2.7 mA
Protection class	IP 42
Colour lamp	red
Colour cover	white
Ambient temperature	-20 °C to +60 °C
Dimensions (H x W x D)	85 x 85 x 30 mm

Room indication lamp for SecuriStar® detector

RAL 721 **210056**

Detector alarm indication lamp for SecuriStar® detectors.
–**for wet environment, surface mounting**

Technical data

Operating voltage	5 to 30 V DC
Operating current	max. 4.9 mA
Protection class	IP 65
Colour lamp	red
Colour cover	white
Ambient temperature	-20 °C to +60 °C
Dimensions (H x W x D)	53 x 70 x 53 mm

4.3. Flame Detectors

IR-flame detector (conventional)

DF 1191 **6400002**

Flame detector with one infrared sensor. VdS approved, w/o base. For basic applications without interference by sunlight, halogen light or black body radiation.
–Selectable application algorithms
–Extremely high resistance to electromagnetic influence and humidity / corrosion
–Two different sensitivity and integration stages
–Large angle of vision (min. 90º)
–Large operating temperature range (-25... +70ºC)

Technical data

Detection angle:	90°
Operating temperature:	-25 °C to +70 °C
Operating voltage:	16 - 28 V DC
Operating current:	0.5 mA
Protection class:	IP 44
Colour:	white RAL9010
Dimensions (W x H x D) :	135 x 135 x 77mm
VdS-Number:	G299085

DF 1192 **6400003**

Flame detector with 3 infrared sensors and specially developed algorithms for demanding applications. VdS approved, w/o base.
–Conventional, two-wire installation
–Triple-sensor infrared flame detector
–Two sensors in various wavelengths (4...4.8µm and 5.1...6µm)
–Third sensor for increased resistance to sunlight (0.7...1.1µm)
–Microprocessor-controlled signal evaluation
–Selective evaluation of flicker frequency
–Excellent immunity to false alarms due to specially developed fuzzy algorithms and the latest wavelet diagnosis
–Selectable application algorithms
–Extremely high resistance to: electromagnetic influence, sunlight and heat radiation, humidity and corrosion
–Two different sensitivity and integration stages
–Large angle of vision (min. 90º)
–High IP protection category (IP 67)
–Large operating temperature range (-35... +70ºC)

Technical data

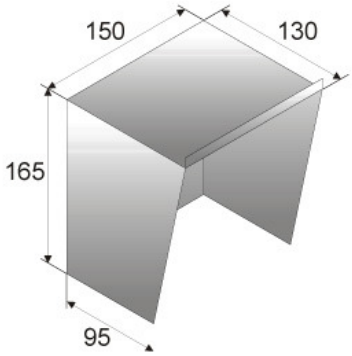
Detection angle:	90°
Operating temperature:	-35 °C to +70 °C
Operating voltage:	16 - 28 V DC
Operating current:	0.5 mA
Protection class:	IP 67
Colour:	white RAL9010
Dimensions (W x H x D):	135 x 135 x 77mm
VdS-Number:	G299085

Detector base for DF 1191 / 1192 / 1101 Ex

DFB 1190 **6800078**

Base for DF 1191, DF 1192 and DF 1101 Ex
–For indoor application, surface mounting
–for outdoor application, a rain hood is available

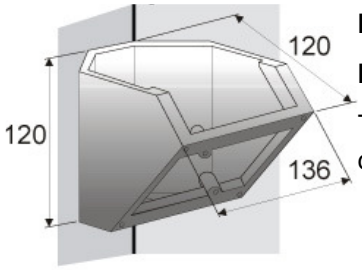
Rain hood for DF 1191 / 1192 / 1101 Ex



DFZ 1190 **6800079**

Rain hood for the infrared flame detectors for outdoor application.
Dimension (W x H x D) 150 x 165 x 130 mm

Rain hood for DF 1191 / 1192 / 1101 Ex

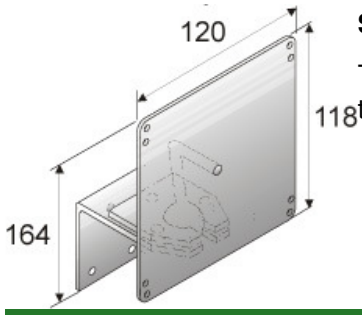


MV1 **6800080**

Mounting bracket

This mounting bracket is used to fix the flame detector at the correct angle.

Ball and socket joint for DF 1191 / 1192 / 1101 Ex



SJ 1190 **6800081**

The ball and socket joint is used to line up the flame detector with the object to be monitored.

Test lamp for DF 1191 / 1192 / 1101 Ex

Stabex HF **6900442**

For testing of the flame detector series DF.
Suitable also in explosion hazard areas.

4.4. Ventilation Duct Detector

SecuriStar ventilation duct detector

LKM 531 **5000616-0201**

Ventilation duct smoke detector.
Complete detector unit containing the addressable smoke detector SSD531 K, the box, the detector socket USB501-1, sampling pipe and blow out pipe
–Applicable on round and square air ducts
–Simple and easy installation
–Alarm LED visible through transparent cap
–Addressable smoke detector SSD531K
–VdS approved, according to EN54-7

Technical data

Protection class:	IP 54
External dimensions (without pipes):	247 x 135 x 95.3 mm
Ventilation duct diameter (❍):	20 to 100 cm
Ventilation duct side length (☐):	15 to 100 cm
Air flow speed:	1 to 20 m/s
VdS-Number:	G206086

4.5. Spare Parts for LKM 531

SecuriStar ventilation duct detector, spare parts

SSD531 K **5000617-0201**

SecuriStar smoke detector for ventilation ducts

LKS 517 **5000589-0201**

Detector box for ventilation ducts, including
–Box with transparent cover
–Ventilating pipe (length 415 mm, depth 345 mm)
–air flow adapter for SSD531K
–socket USB501for SSD531K
–2 sets screwed cable cland metric
–plugs and sealings

4.6. Conventional Ex-proof Detectors and Accessories

IR-flame detector Ex-I / IP67, only in combination with GTW

DF 1101 Ex **6400004**

–Flame detector for explosion-hazard areas zone 1 & 2 with 3 infrared sensors and special algorithms for demanding applications. Two sensors for detection in various wavelengths (4...4.8µm and 5.1...6µm). Third sensor for increased resistance to sunlight (0.7...1.1µm). VdS approved, without base.
–Excellent immunity to false alarms due to specially developed fuzzy algorithms and the latest wavelet diagnosis
–Selectable application algorithms
–Extremely high resistance to: electromagnetic influence, sunlight, heat radiation, humidity and corrosion
–Two different sensitivity and integration stages
–Large angle of vision (min. 90º)
–Large operating temperature range (-35... +70ºC)
–Max. 3 detectors per GTW-line allowed

Technical data

Detection angle:	90°
Operating temperature:	-35 °C to +70 °C
Operating voltage:	16 - 28 V DC
Operating current:	0.5 mA
Protection class:	IP 67
Colour:	white RAL9010
Dimensions (W x H x D):	135 x 135 x 77mm
Flammability protection cat:	EEx ib IIC T4
VdS-Number:	G299085

DC isolating converter, for detector series 130 Ex-i

GTW 01 **5700080**

Barrier between safe area and hazardous area for the connection of one conventional detector line.
–Max 10 conventional detectors per line
–For ORM 130 Ex-i,WDM Ex-i,WMM Ex-i
–Limitation of voltage and current
–Galvanic decoupling of intrinsically safe fire detectors
–Mounted outside of the hazardous area

Technical data

Ex-zone	IIA, IIB, IIC
Input voltage	20 to 30 V DC
Rated current	0 mA to 35 mA
Output voltage	min. 15.5 V DC
	max. 21.5 V DC
Signal transmission	Current increase
Protection class	IP 54 CW
Dimensions (H x W x D)	159 x 167 x 82 mm
Flammability protection cat.	EEx ia
VdS-Number	G 297052

DC isolating converter, for detector series 130 Ex-i

GTW 02 **5700081**

same as GTW 01, except:
Barrier between safe area and hazardous area for the connection of two conventional detector line.

Safety barrier Z787

Z787 **FG020121**

The safety barriers for intrinsically safe detector zones prevent too high an energy level from entering a hazardous area, which could cause ignition sparks if discharged there. The barrier is connected in series into the wiring of the detector zone, and is tested and approved in accordance with the requirements of ATEX 100a for use in hazardous areas.

Technical data

Rated operational voltage:	max. 28 V
End-to-end resistance:	285 Ω, max. 340 Ω
Operating current:	35 mA
Total cabling length:	max. 700 m
Max. short circuit current:	93 mA
Max. external capacity:	0,07 µF / 0,5 µF (IIC/IIB)
Max. external inductance:	4 mH / 15 mH (IIC/IIB)
Ambient temperature:	-20° to +60°C
Marking:	EX II 3 G EEx n A II T4
Approval	TÜV 99 ATEX 1484 X; BAS 01 ATEX 7005

Accessories

Description	Type	Art. No.
G fuse 50 mA F 5x20 for Z787.F (replacement)	Z787F SI	FG020431

Safety barrier Z787F

Z787F **FG020430**

Identical in function and construction to the Z787 safety barrier, but contains an integrated series fuse carrier in the safe part. The barrier is intended for use in exposed surroundings, where over-voltages, lightning strikes, voltage changes etc. could lead to the ex barrier being destroyed. The selective series fuses prevent the internal fuses from being destroyed and can be replaced.

Technical data

Rated operational voltage:	max. 28 V
End-to-end resistance:	327 Ω, max. 363 Ω
Operating current:	35 mA
Total cabling length:	max. 350 m
Max. short circuit current:	93 mA
Max. external capacity:	0,07 µF / 0,5 µF (IIC/IIB)
Max. external inductance:	4 mH / 15 mH (IIC/IIB)
Marking:	EX II 3 G EEx n A II T4
Approval	TÜV 99 ATEX 1484 X; BAS 01 ATEX 7005

Accessories

Description	Type	Art. No.
G fuse 50 mA F 5x20 for Z787.F (replacement)	Z787F SI	FG020431

IP55/65 case for safety barrier

GEH EXB **FG020432**

Case with a built-in 35mm fitting bracket for fitting up to 3 Z787 or Z787F safety barriers. When fitting only one safety barrier, the protective conductor terminal needed can also be fitted in the case. Shipped including three M 32 stoppers. The case contains ten M32/40 cable inlets, and the fastening bracket and two screws must be ordered separately.

Technical data

Installation type:	Surface mounting
Number of inlets:	10
Nominal diameter:	25 mm²
Measured isolating voltage Ui:	690 V
Can be sealed with leads:	yes
Ambient temperature:	-40 to +70° C
Protection class:	IP 65 / IP 55 with M40 stoppers
Halogen-free:	no
Colour:	light grey (RAL 7035)
Material:	plastic
Dimensions (LxWxH):	200 x 160 x 98 mm (LxWxH)

Accessories

Description	Type	Art. No.
Mounting bracket for GEH-EXB	GEH EXBW	FG020433

4.7. Sockets and Accessories for SecuriStar® Detectors

SecuriStar detector socket

USB 501-1 **5000547-0001**

Base for addressable and conventional SecuriStar detectors
–**For dry rooms, surface mounting**
–integrated 6 wire terminal
–detector fixing by means of bayonet connection

Technical data

Ambient temperature	-20 °C to +70 °C
Protection class	IP 44
Colour	white
Dimensions (D x H)	118 x 25 mm

SecuriStar fire detector

USB 501-6 **5000547-0006**

Same as USB 501-1, except:

–without integrated loop contact

SecuriStar detector socket

USB 501-2 **5000547-0002**

Base for addressable and conventional
SecuriStar detectors
–**For hollow ceilings, flush mounting**
–integrated 6 wire terminal
–detector fixing by means of bayonet connection
–Optional extra large cover ring 177mm available (3110470)

Technical data

Ambient temperature	-20 °C to +70 °C
Protection class	IP 44
Colour	white
Dimensions (D x H)	visible 118 x 4.5 mm

SecuriStar detector socket

USB 501-3 **5000547-0003**

Base for addressable and conventional
SecuriStar detectors
–**For dump rooms, surface mounting**
–integrated 6 wire terminal
–detector fixing by means of bayonet connection

Technical data

Ambient temperature	-20 °C to +70 °C
Protection class	IP 54
Colour	white
Dimensions (D x H)	118 x 50 mm

SecuriStar detector socket

USB 501-4 **5000547-0004**

Base for addressable and conventional
SecuriStar detectors
–**For concrete mounting**
–integrated 6 wire terminal
–detector fixing by means of bayonet connection
–Optional extra large cover ring 177mm available (3110470)

Technical data

Ambient temperature	-20 °C to +70 °C
Protection class	IP 44
Colour	white
Dimensions (D x H)	visible 118 x 4.5 mm

SecuriStar detector socket

USB 501-5 **5000547-0005**

Base for addressable and conventional
SecuriStar detectors
–**For mounting in cable shafts and raised floors**
–integrated 6 wire terminal
–detector fixing by means of bayonet connection
–pipe clamp support

Technical data

Ambient temperature	-20 °C to +70 °C
Protection class	IP 44
Colour	white

SecuriStar fire detector

USB 501 MC **5000547-0291**

Same as USB 501-1, except:

Colour	according to RAL classis numbers

SecuriStar fire detector

USB 501-6 MC **5000547-0091**

Same as USB 501-6, except:

Colour	according to RAL classis numbers

Cover ring

RING 158 MC **3110464**

Cover ring for USB501-2 and USB501-4, personalized colour
Extra large cover ring, diameter 177mm.
–For detector base USB501-2 and USB501-4
–Existing white ring has to be removed and replaced by this coloured ring.
–Available in any RAL-number colour

Detector socket Ex-i

143 Ex-i **5000515**

Base for explosion proofed detectors ORM 130 Ex-i, WDM 215 Ex-i and WMM 216 Ex-I in explosion zones 1 and 2.
–For dry and dump rooms, surface mounting

Technical data

Colour	white
Dimensions (D x H)	80 x 32 mm
Protection class	IP 42
VdS-Number	G 297056

Siren, for mounting in detector socket USB501

SIR 715 **218847**

Electronic siren for mounting into the detector socket base USB501-x. The siren is driven directly from the fire alarm detector. At the socket terminal, either a socket siren or a room indication lamp can be connected.
–1 signal tone, 4 Hz modulation

Technical data

Volume	ca. 60 dB (A) in 1 m distance
Operating voltage	+6 to +10 V DC
Operating current	max. 5 mA
Ambient temperature	0 °C to +60 °C
Protection class	mounted in USB 501
Dimensions (H x W x D)	35 x 152 x 10 mm

Detector protection basket

SRS 01 **5000586**

Protective cage. To protect the detector from damage. Suitable for all SecuriStar detector series, as well for the HX detector series.

Technical data

Material	Steel, nickel-plated

Detector protection basket

SRS 02 **5000634**

Protective cage. To protect the detector from damage. Suitable for SecuriStar detectors with the socket IP67 or socket siren SBL501.

Technical data

Material	Steel, nickel-plated

Detector mounting console

MMK200/350 **FG020520**

The detector mounting console MMK 200/350 is used for the horizontal installation of detectors when they are mounted on sloped roofs or ceilings. The console is vertically adjustable within an angle of 0 to 90° and also the height can be adjusted from 200 to 350 mm. The detector base is mounted by means of 2 screws M4. On the console can be used USB 501.

Technical data

Material	Sheet steel, powder-coated
Colour	Light gray (RAL 7035)

Inscription plate for SecuriStar detectors

DNP **3110320**

Detector numbering plate for SecuriStar detectors

Additional terminal block for SecuriStar detector socket

USB Term **2510802**

Optional reserve terminal block for cross-connections

Cover ring

RING 177 **3110470**

Extra large cover ring, diameter 177mm.
–For detector base USB501-2 and USB501-4
–For replacement of older detector sockets, which cover ring was bigger than the USB standard cover ring

Rubber cap for base USB501-1

GKAPPE 501 **FG020189**

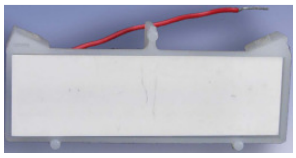
Transparent rubber cap in order to prevent moisture from getting into the base. Can be used for SecuriStar but only for the socket type USB501-1.

Fitting set USB

MON SET GK **MM000250**

The detector can be mounted distant from the ceiling via distance bushes. This allows the detector a better adoption to the environment temperature and therefore less chance for development of condensation.

Detector heating for MCD573CD



DBZ1190A-AC **FG020480**
MM KBH KL (50 units) **MM000047**

The detector heating DBZ1190A-AC can be mounted into the detector socket USB501 using the holder for cable binder holder MM KBH KL and a suitable cable binder.
Shall be used for the detector type MCD573CP only.

Dust cover for SecuriStar detectors

DDC 533 **2870513**

Detector Dust Cap to cover a detector for protection against dust during construction work. For SecuriStar detectors series 523/533, 563/573.

Technical data

Colour	orange
Delivery unit	1 piece

4.8. Addressable Manual Call Points

Manual call point, EN54-11, IP 24

MCP 545-1N **237973**

Single action break glass, according to EN54-11. Delivered with transparent plastic cover and with test key.
–for dry rooms
–surface mounting
–Integrated status LED

Technical data

Operating voltage	15 to 30 V DC
Operating current (norm)	0.5 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 24
Colour	red, RAL 3001
Dimensions (W x H x D)	89 x 93 x 61.5 mm

Manual call point, EN54-11, IP 24

MCP 545-2N **237990**

Same as MCP 545-1N, except:
–flush mounting

Manual Call Point, red, EN54-11, IP 24, surface mounting, AJAX

MCP 545-1AN **237981**

Same as MCP 545-1N, except:
–for AJAX-Glass

Manual call point, EN54-11, IP 67

MCP 545-4N **238007**

Single action break glass, according to EN54-11. Delivered with transparent plastic cover and with test key.
–for high humidity environment conditions
–Integrated status LED

Technical data

Operating voltage	15 to 30 V DC
Operating current (norm)	0.5 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 67
Colour	red, RAL 3001
Dimensions (W x H x D)	97.5 x 93 x 73 mm

Manual call point, Vds, EN54-11, IP 52

MCP 535-7 (red) **6200146-0007**

MCP 535-11 (blue) **6200146-0009**

MCP 535-11(yellow) **6200146-0011**

Double action break glass, according to VdS and EN54-11. Delivered without inscription label and key, to be ordered separately.
–for dry rooms
–surface or flush mounting
–key protected
–integrated status LED
–blue and yellow versions available
–IP54 versions available

Technical data

Operating voltage	15 to 30 V DC
Operating current (norm)	max. 0.25 mA
Ambient temperature	-20 °C to +50 °C
Protection class	IP 52
Colour	red, RAL 3000
Dimensions (H x W x D)	135 x 135 x 37 mm

VdS-Number	G 299036

Manual call point, VdS, EN54-11, IP 54

MCP 535-8(red) **6200146-0008**

MCP 535-14 (blue, non-latching) **6200146-0014**

Same as MCP 535-7, except:
–Protection class IP 54

4.9. Conventional Manual Call Points

Manual call point, EN54-11, IP 24

MCP 521-1N **238023**

Single action break glass, according to EN54-11. Delivered with transparent plastic cover and with test key.
–for dry rooms
–surface mounting

Technical data

Operating voltage	max. 30 V DC
Operating current (normal)	0 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 24
Colour	red, RAL 3001
Dimensions (W x H x D)	89 x 93 x 73 mm

Manual call point, EN54-11, IP 24

MCP 521-2N **238031**

Same as MCP 521-1N, except:
–flush mounting

Manual call point, EN54-11, IP 24

MCP 521-1EN **238058**

Single action break glass, according to EN54-11. Delivered with transparent plastic cover and with test key.
–for dry rooms
–surface mounting

Technical data

Operating voltage	max. 30 V DC
Operating current (normal)	0 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 24
Colour	yellow
Dimensions (W x H x D)	89 x 93 x 73 mm

Manual call point, EN54-11, IP 67

MCP 521-4N **238040**

Single action break glass, according to EN54-11.
The detector offers IP67 class protection (waterproof). Delivered with transparent plastic cover and with test key.
–outdoor rooms, waterproof
–surface mounting

Technical data

Operating voltage	max. 30 V DC
Operating current (normal)	0 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 67
Colour	red, RAL 3001
Dimensions (W x H x D)	97.5 x 93 x 73 mm

Manual call point, EN54-11, IP 24, Ex proof

MCP 521N Exi **238074**

Intrinsically safe single action break glass, according to EN54-11, for hazardous areas. Delivered with transparent plastic cover and with test key. The alarm resistor, surface mounting box or flush mounting adapter plate have to be ordered separately
–surface or flush mounting
–to be connected via zener barrier
–alarm resistor 680Ω / 0.5W

Technical data

Operating voltage	max. 30 V DC
Operating current (normal)	0 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 24
Colour	red, RAL 3001
Dimensions (W x H x D)	89 x 93 x 61.5 mm
Ex protection class	ATEX Ex II 1G EEx ia IIC T4

Manual call point, EN54-11, IP 67, Ex proof

MCP 521-4N Exi **238082**

Intrinsically safe single action break glass, according to EN54-11, for hazardous areas. The detector offers IP67 class protection. Delivered with transparent plastic cover and with test key.
–surface mounting
–to be connected via zener barrier
–alarm resistor 680Ω / 0.5W

Technical data

Operating voltage	max. 30 V DC
Operating current (normal)	0 mA
Ambient temperature	-10 °C to +55 °C
Protection class	IP 67
Colour	red, RAL 3001
Dimensions (W x H x D)	97.5 x 93 x 73 mm
Ex protection class	ATEX Ex II 1G EEx ia IIC T4

Manual call point, Vds, EN54-11, IP 52

MCP 525-7 (red) **6200149-0007**

MCP 525-9 (blue) **6200149-0009**

MCP 525-11 (yellow) **6200149-0011**

Double action break glass, according to VdS. Delivered without inscription label and key, to be ordered separately.
–for dry rooms
–surface or flush mounting
–key protected
–integrated status LED
–blue and yellow versions available

Technical data

Operating voltage	15 to 30 V DC
Operating current (normal)	0 mA
Ambient temperature	-20 °C to +50 °C
Protection class	IP 52
Flammability protection cat.	EEx n l IIB T6
Colour	red, RAL 3000
Dimensions (H x W x D)	135 x 135 x 37 mm
VdS-Number	G 299102

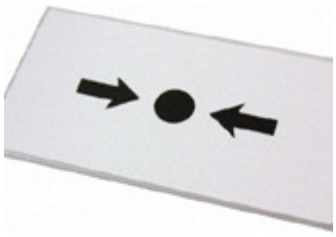
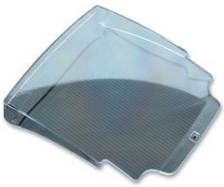
Manual call point, VdS, EN54-11, IP 54

MCP 525-8 (red) **6200149-0008**

MCP 525-14 (blue, non-latching) **6200149-0014**

Same as MCP 525-7, except:
–Protection class IP 54

4.10. Accessories for MCP

Accessory for MCP		
	**CPG 845** Spare break glass for MCP. –MCP 545, MCP521, ECP521 –Delivery unit 1 pcs.	**225797**
	GLASS MCP Spare break glass for MCP VdS types. –MCP 525-7,-14, MCP 535-7,-14	**6200289**
	SEALING MCP Sealing red for MCP 525 and 535 to be IP54	**3610328**
	**KEY MCP** Key to open the MCP. –MCP 525, MCP 535	**6200147**
	Inscription label MCP525/535 Inlay label for the MCP 525/535, with Logo Securiton.	**3740835-0001**
	**CPS 845N** Seal for locking the MCP series 521N and 545N. –MCP 545-xN,MCP521-1N,ECP521-1EN –Delivery unit 5 pcs.	**238198**
	**THC 845N** Flap transparent, for MCP series 521N and 545N	**238104**
	**AP Set MCP** Mounting box for surface mounting, red for MCP521 and 545 series	**173061**
	**UP Set MCP** Fastener plate for flush mounting, red for MCP521 and 545 series	**193801**
	WID 680 Alarm resistor 680Ω for MCP 521N Ex-i and MCP 521-4 N Ex-i	**26514**

4.11. Alarm Indication Modules

Siren, 24V

BSE 128, IP54 **red** **6300138-0204**
BSE 128, IP54 **white** **6300138-0203**

Acoustical alarm device for fire alarm systems. Surface mounting. Robust construction, High reliable, high protection class, low power consumption
–28 signal tones
–Fulfils EN 54-3
–2nd tone can be activated via separate input
–IP 54 , flat profile socket
–Red and white type available

Technical data

Volume (DIN tone)	up to 115dB (98dB) in 1 m distance
Operating voltage	24 V DC
Operating current	max. 27 mA
Ambient temperature	-40 °C to +80 °C
Protection class	IP 54 (IP65)
Dimensions	101 x 81 mm
Colour	red (RAL 3001) or white (RAL 9010)

Siren, 24V

BSE 128, IP65 **red** **6300138-0202**
BSE 128, IP65 **white** **6300138-0201**

Same as BSE 128, IP54, except:
–IP 65 , high profile socket

Dimensions	101 x 100 mm

Siren, 24V

BSE 128 UP **red** **Not available**
BSE 128 UP **white** **6300177**

Same as BSE 128, IP54, except:
–flush mounting
–only in white colour available

Dimensions	170 x 70.5 mm

Siren, for mounting in detector socket USB501

SIR 715 **218847**

Electronic siren for mounting into the detector socket base USB501-x. The siren is driven directly from the fire alarm detector. At the socket terminal, either a socket siren or a room indication lamp can be connected.
–1 signal tone, 4 Hz modulation

Technical data

Volume	ca. 60 dB (A) in 1 m distance
Operating voltage	+6 to +10 V DC
Operating current	max. 5 mA
Ambient temperature	0 °C to +60 °C
Protection class	mounted in USB 501
Dimensions (H x W x D)	35 x 152 x 10 mm

Loop siren red, IP42

LSW 750 **4300873-0201**

Loop Siren red, IP42

Siren on the loop

BA-SOL-R **red** **FG030450**
BA-SOL-W **white** **FG030451**

For use in a SecuriFire Fire alarm system. This low power siren is designed to connect directly to SecuriLine via 2 wire without any further power supply line.
–3 signal tones (DIN 33404, Slow Whoop and 990Hz pulsed)
–Signal tone controlled from the FACP depending on the event
–Configurable volume high/low

Technical data

Volume	89 dB / 99 dB (low / high volume)
Operating voltage	15 to 30 V DC
Operating current	2.4 mA / 4.8 mA (low / high volume)
Ambient temperature	-10 °C to +55 °C
Protection class	IP 21
Dimensions (D x H)	108 x 96 mm
Material	ABS
Colour	red and white

Siren on the loop

SBL501

SBL501-DB

SBL501 **white** **5700150-0201**
SBL501-DB **white, deep base** **5700150-0202**

Acoustic alarm unit, to be mounted between the detector socket USB501and the ceiling or on the wall, for use in a SecuriFire fire alarm system. This low power siren is designed to connect directly to SecuriLine via 2 wire without any further power supply line. The deep base version (DB) is for a side wise cable installation.
–3 signal tones (DIN 33404, Slow Whoop and 880Hz pulsed)
–Signal tone controlled from the FACP depending on the event
–Configurable volume high/low

Technical data

Volume	80 dB / 90 dB(A) (low / high volume)
Operating voltage	15 to 30 V DC
Operating current	1.3 mA / 3.9 mA (low / high volume)
Ambient temperature	-10 °C to +55 °C
Protection class	IP 31d
Dimensions (D x H) Version DB	117 x 41 mm 117 x 45 mm
Material	PC/ABS
Colour	white (RAL 9003)

Siren on the loop for

Available in red and white

SBL502

SBL502-DB

SBL502 **white** **5700151-0201**
SBL502-R **red** **5700151-0202**
SBL502-DB **white, deep base** **5700151-0203**
SBL502-DBR **red, deep base** **5700151-0204**

Acoustic alarm unit, to be mounted directly on the ceiling or on the wall, for use in a SecuriFire alarm system. This low power siren is designed to connect directly to SecuriLine via 2 wire without any further power supply line. The deep base version (DB) is for a side wise cable installation.
–3 signal tones (DIN 33404, Slow Whoop and 880Hz pulsed)
–Signal tone controlled from the FACP depending on the event
–Configurable volume high/low

Technical data

Volume	80 dB / 90 dB(A) (low / high volume)
Operating voltage	15 to 30 V DC
Operating current	1.3 mA / 3.9 mA (low / high volume)
Ambient temperature	-10 °C to +55 °C
Protection class	IP 31d
Dimensions (D x H) Version DB	114 x 32 mm 114 x 36 mm
Material	PC/ABS

Flash light, 24V

Solex R/SR/10C	lens red, socket red	**6300170**
Solex A/SW/10C	lens amber, socket white	**6300171**
Solex G/SW/10C	lens green, socket white	**6300172**
Solex B/SW/10C	lens blue, socket white	**6300173**
Solex CL/SW/10C	lens clear, socket white	**6300174**

Optical xenon alarm medium in a robust design for indoor and outdoor installation. The Solex series is available in 5 different lens colours: red, amber, blue, green and clear. The version red is delivered with a red base, the other colour variants with a white base.

Options:
– Deep socket IP65
– Deep socket IP65 230V:
conversion into 24DC from 230Vac for all types

Technical data

Operating voltage	9 to 60 V DC
Operating current	80 … 380 mA
Switch on current	40.5mA for 4ms
Light intensity red/amber, green, blue and clear	4.8/8.4/7/2.8/14 cd
Flash frequency	1 Hz
Protection class (with special socket)	IP 54 (65)
Operation temperature	-25 °C … +70 °C
Dimensions (D x H)	93 x 63 mm
Housing	ABS / Polycarbonate
VdS-Number	G 207018

Socket IP65 for flash light solex

SO/D/R	red	**6800145**
SO/D/W	white	**6800146**

Socket base for Solex flash light when used in outdoor applications.
–IP65

Socket IP65, 230V for flash light solex

SO/D/R/230	red	**6800147**
SO/D/W/230	white	**6800148**

Socket base for Solex flash light for 230Vac applications.
–230V AC
–IP65

Flash light on the loop for SecuriFire

Available in red and white

BA-FOL-R	red	**FG030452**
BA-FOL-W	white	**FG030453**

For use in a SecuriFire alarm system, designed to be connected directly to SecuriLine via 2 wire. No further power supply line is necessary. It is activated and powered from SecuriLine.
–2 flashing frequency fast/slow

Technical data

Operating voltage	15 to 30 V DC
Operating current	6.5 mA
Ambient temperature	-10 °C to +50 °C
Protection class	IP 21
Dimensions (H x W x D)	93 x 93 x 54 mm
Material	ABS
Colour	red and white

4.12. Radio Detectors

5. Power Supplies

5.1. Batteries

Battery

Battery 2.2 Ah **2310052**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D) / Weight	69 x 36 x 180 mm / 1kg
Capacity	2.2 Ah

Battery 7 Ah **2310030**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D) / Weight	153 x 67 x 102 mm / 2.2kg
Capacity	7 Ah

Battery 12 Ah **2310021**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D) / Weight	153 x 92 x 102 mm / 4kg
Capacity	12 Ah

Battery 18 Ah **2310034**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D) / Weight	183 x 78 x 169 mm / 6kg
Capacity	18 Ah

Battery 26 Ah **2310002**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D) / Weight	168 x 177 x 127 mm / 8.2kg
Capacity	26 Ah

Battery 45 Ah **2310003**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D) / Weight	199 x 167 x 172 mm / 17kg
Capacity	45 Ah

Battery 65 Ah **2310006**

Battery, Pb, 12V, VdS approved

Technical data

Dimensions (H x W x D)	392 x 168 x 176 mm / 20kg
Capacity	65 Ah

6. Installation and Commissioning Tools

6.1. SecuriStar® Detector Test Equipment

Detector removal tool, for SecuriStar detectors

UDR 533 S **5600095-0201**

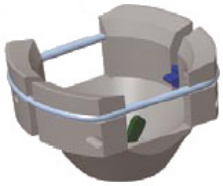
Removal and insertion of SecuriStar detector series 521/531, 523/533, 563/573.
–solid version
–Pluggable on telescopic pole series UTP

Detector removal tool, for SecuriStar detectors

UDR 533 K **5600096-0201**

Removal and insertion of SecuriStar detector series 521/531, 523/533, 563/573.
–With cardan joint
–Pluggable on telescopic pole series UTP

Detector removal tool, for SecuriStar detectors



UDR 533 A **5600094-0201**

The UDR 533 A serves as exchangeable adaptor and can be inserted into the UDR 521/531 K, detector removers for SecuriStar detector series, 523/533, 563/573.

Detector removal tool, for SecuriStar detectors

UDR 521/531 **5600075**

The UDR 521/ 531 serves as exchangeable adaptor and can be inserted into the UDR 521/531 K, detector removers for SecuriStar detector series STD, SSD, UTD 5x1
with gum links

Detector removal tool, for SecuriStar detectors

UDR 521/531 K **5600076**

The UDR 521/ 531 serves as exchangeable adaptor and can be inserted into the UDR 521/531 K, detector removers for SecuriStar detector series STD, SSD, UTD 5x1
with cardanic mounting

Smoke detector test device, for SecuriStar detectors

FDT 533 **5600097-0201**

Fire Detector Test equipment.
For SecuriStar detector series 523/533, 563/573 (smoke and heat) and for the SecuriStar detector series 521/531 (only smoke).
–Pluggable on telescopic pole series UTP
–For using with 918/5 test gas can

Adapter

ASU 533 **5600099-0201**

Adapter Solo test pole to UDR533.

Adapter

UTP SOL **FG030281**

Adapter UTP test pole to Testifire head.

Telescopic pole

UTP 6 **5600072**

Pole for various detector removal and test devices.

Technical data

extendable from	1.7 to 3.0 m

Telescopic pole

UTP 7 **5600073**

Pole for various detector removal and test devices.

Technical data

extendable from	2.2 to 4.0 m

Telescopic pole extension

UTP 5 **3330253**

Extension piece 1.35 m for the telescopic pole types UTP 6 and UTP 7.

Technical data

Working height up to	6.0 m / 7,00 m

Smoke test aerosol

918/5 test gas can **6900124**

For function test of approx. 200 smoke detector in maintenance mode.
Free of halogenated hydrocarbons.

Smoke detector test device, for SecuriStar detectors

Testifire 1001 **6900451-0201**

Fire Detector Test equipment.
For SecuriStar detector series 521/531, 523/533, 563/573, smoke detectors, heat detectors and combined detectors (smoke and heat) as well for the HX detector series.
–Creates smoke and heat from the same unit
–Integrated ventilator for rapid air cleaning inside the tester
–Activation via infrared sensor, no mechanical contact necessary
–Multilanguage user menu on the display
–Battery powered, free movable device

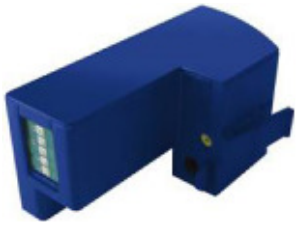
Complete set including
–Test device smoke and heat
–two battery batons
–battery charger

Smoke detector test device, for SecuriStar detectors

Testifire 2001 **6900452-0201**

Same as Testifire 1001, except:
Including carbon monoxide release for testing of CO-detectors

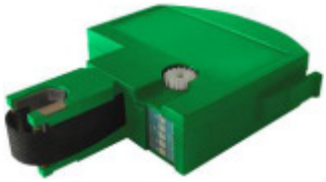
Smoke capsule, for Testifire



Smoke Capsule TS3 **6900453-0201**

For Testifire 1001 and 2001 tester.

CO capsule, for Testifire



CO Capsule TC3 **6900454-0201**

For Testifire 2001 tester.

Battery baton, for Testifire

Solo 720 **6900455-0201**

For Testifire 1001 and 2001 tester.

Battery charger, for Testifire

Solo 725 **6900456-0201**

For Testifire 1001 and 2001 tester.
Input voltage 110 to 230VDC or 12VDC

Protective Carrying / Storage Bag for Testifire

Solo 610 **6900457-0201**

Bag for tester and access poles

Protective Carrying / Storage Bag for access poles

Solo 620 **6900458-0201**

Separate Pole Carrying / Storage Bag for access poles

Telescopic Pole, 4.5m

Solo 100 **6900459-0201**

Fibreglass 4 section telescopic pole
–Extends from 1.26m to 4.5m
–Enables access to detectors fitted up to 6m
–Accepts three Solo 101 to reach 9m

Telescopic Pole, 2.5m

Solo 108 **6900460-0201**

Fibreglass 2 section telescopic pole
–Extends from 1.26m to 2.5m
–Enables access to detectors fitted up to 4m
–Accepts additional Solo 101's for greater heights

Extension Pole, 1.13m

Solo 101 **6900461-0201**

Fibreglass single section pole
–Extends from 1.13m
–Enables access to detectors fitted up to 2.5m
–Connects to Solo 100, Solo 108 or additional Solo 101s for greater heights

6.2. SecuriLine® Loop Tester

SecuriLine tester

STB 01 A **6900376**

Hand held control device for testing and trouble shooting of the SecuriLine installation and their participants. Includes the power supply adapter (100-240VAC/24VDC) and an RS232 serial interface to a PC.

7. Product Type Index

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