# SecuriFire 500/1000/2000/3000

**Product Catalogue 2015**

◉ SECURITON

For your safety

# Content

# Introduction

SecuriFire is a superbly adaptable life safety system, lending itself to small, 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 3000 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.

### Small but power-packed: tailor-made fire detection of the highest standard

SecuriFire 1000/2000 provides a cost-optimised state-of-the-art system that is always up to the task, no matter how tough the conditions. The unique principle of software redundancy ensures that the fire alarm control panel is capable of raising the alarm at all times and under all conditions. SecuriFire 1000/2000 constantly self-tests its functionality, signalling any faults immediately.

SecuriFire 1000/2000 adapts perfectly to every building and every safety requirement.

SecuriFire 500 adapts perfectly to every building and every safety requirement.

SecuriFire 500 constantly self-tests its functionality, signalling any faults immediately.

The systems are ideally suited for small-sized premises such as hotels, restaurants, guest houses, shopping malls and leisure centres, retirement homes and all kinds of other facilities. The systems are compatible with existing and future generations of detectors. The solutions implemented as a result are utterly convincing, both economically and from a safety viewpoint.

### 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.

### 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.

### Tested & Certified

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

# How to read the catalogue

**Example of a typical entry for an item**

**Type & Article Number**

Please quote this number when making an enquiry or 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 500 System Overview

# SecuriFire 1000 System Overview

# SecuriFire 2000 System Overview
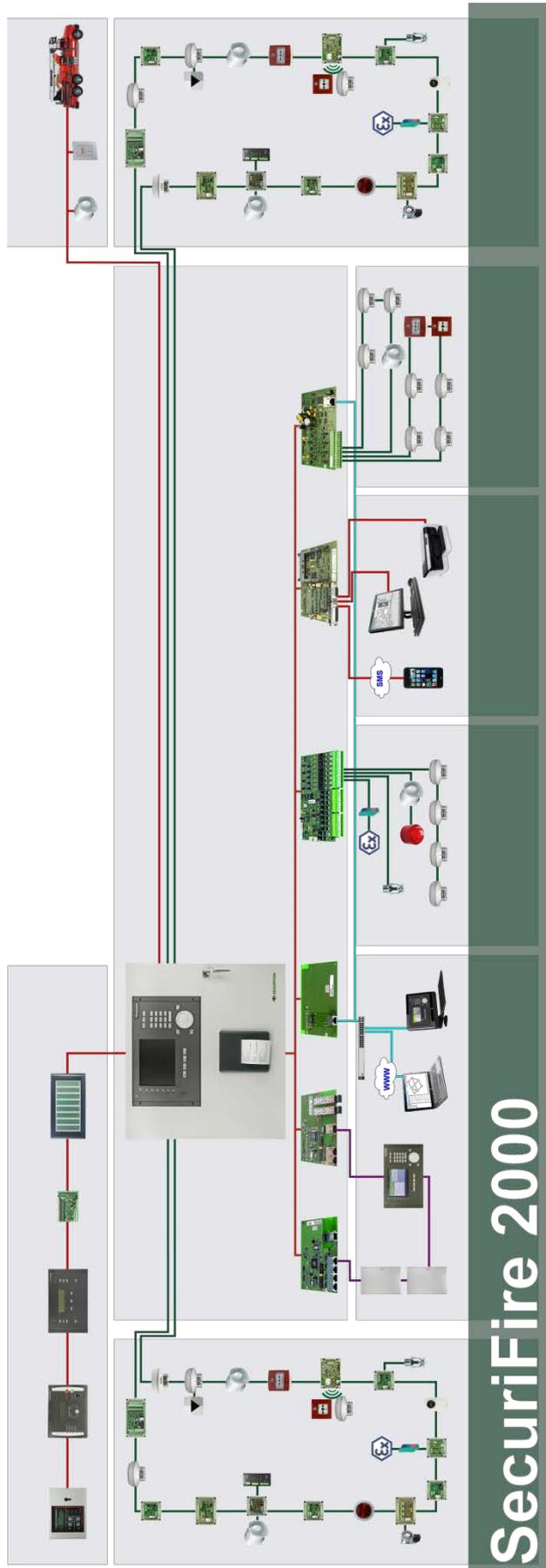
# SecuriFire 3000 System Overview
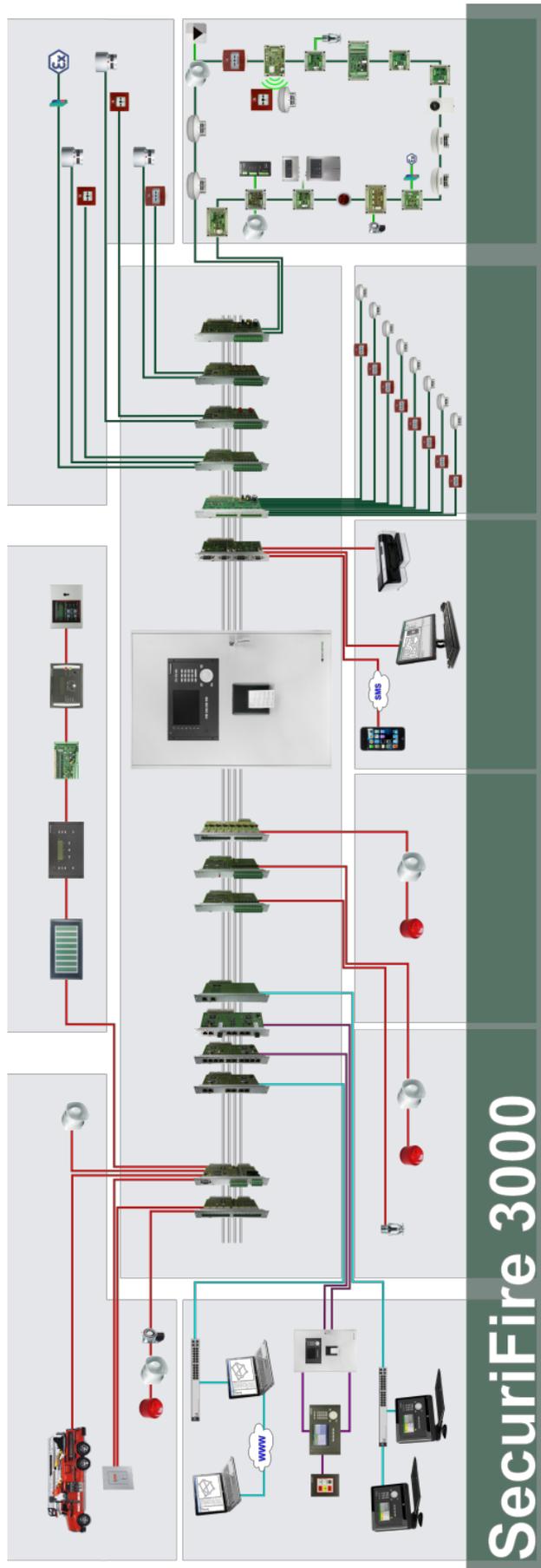
# Side-by-side comparison of
# SecuriFire 500, 1000, 2000 and 3000

| | SecuriFire 500 | SecuriFire 1000 | SecuriFire 2000 | SecuriFire 3000 |
|---|---|---|---|---|
| **Loops** | 1 | 1 | Up to 4 | Up to 16 |
| **Optional: Input / Output** | - | X | X | X |
| **Optional: 485/IP Network** | - | - | X | X |
| **Optional: collective detectors** | - | - | X | X |
| **Power supply** | 2,4 A | 4 A | 4 A | 7 A |
| **Extinguishing certified EN12094** | - | - | X | X |
| **MMI-BUS** | - | X | X | X |
| **EPI-BUS** | X | X | X | X |
| **SecuriLan** | - | - | X | X |
| **Monitored Input** | 2 | 2 | 2 | X |
| **Monitored Output** | 2 | 2 | 2 | X |
| **Relay** | 3 | 5 | 5 | X |

# 1. Cabinets variants

## 1.1. SecuriFire 500 fire alarm control panel

<div style="background:green;color:white">SCP 500 Cabinet</div>

| | | |
|---|---|---|
| **B7-SCP520** | SecuriFire 500 Basic Version, with built-in operating panel | **20-1151000-01-02** |

SecuriFire 500 basic version including:
- Polycarbonate cabinet (grey)
- B7-CPB11 Central Processor Unit
- Battery compartment (max. batt. size 2 x 12 V/ 7 Ah)

*Technical data*

| | |
|---|---|
| Mains voltage / Frequency: | |
| | 110/230 VAC +15%/-20% 47-63 Hz |
| Power Consumption: | max. 75 W |
| Output voltage: | 26,3 VDC (+50°C) to 28,3 VDC (0°C) |
| Output current: | 2,5 A |
| Max. switching voltage: | 240 VAC / 125 VDC |
| Max. switching current: | 3 A |
| Max. switching capacity: | 300 W / 2,500 VA |
| Batteries (largest): | 2 pieces. 12 V / 7 Ah in series |
| Protection class (DIN 40050): | IP 30 |
| Ambient temperature: | -5° to +50°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Cabinet: | Polycarbonate |
| Dimensions(HxWxD): | 300 x 340 x 80 mm |
| Weight of basic version: | 2,3 kg (without batteries) |
| Case colour: | grey RAL 7016 |
| VdS-Approval: | G 212112 |

# SECURITON

## 1.2. SecuriFire 1000 fire alarm control panel

**B6-SCP1020**    SecuriFire 1000 Basic Version, with        **20-1150007-01-02**
built-in operating panel

SecuriFire 1000 basic version including:
- Sheet steel cabinet (grey)
- DOM-lock
- B6-BCB12 Central Processor Unit
- B6-PSU Power supply unit
- Power clips and battery cable
- Battery compartment (max. batt. size 2 x 12 V/17 Ah)

SCP 1020

*Technical data*

| | |
|---|---|
| Mains voltage / Frequency: | 230 VAC +15%/-20% 47-63 Hz |
| Power Consumption: | max. 160 W |
| Output voltage: | 26,3 VDC (+50°C) to 28,3 VDC (0°C) |
| Output current: | 4 A |
| Max. switching voltage: | 240 VAC / 125 VDC |
| Max. switching current: | 3 A |
| Max. switching capacity: | 300 W / 2,500 VA |
| Batteries (largest): | 2 pieces. 12 V / 17 Ah in series |
| Protection class (DIN 40050): | IP 30 |
| Ambient temperature: | -5° to +50°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Cabinet: | Sheet steel |
| Dimensions(HxWxD): | 400 x 445 x 150 mm |
| Weight of basic version: | 8 kg (without batteries) |
| Case colour: | grey RAL 7035 |
| VdS-Approval: | G 209049 |

# 1.3. SecuriFire 2000 fire alarm control panel

SCP 2010

SCP 2020

SCP 2030

SCP 2040

SCP 2050

| **B6-SCP2010** | SecuriFire 2000 Basic Version | **20-1150003-01-02** |
| **B6-SCP2020** | SecuriFire 2000 Basic Version, with built-in operating panel | **20-1150004-01-02** |
| **B6-SCP2030** | SecuriFire 2000 Basic Version, with built-in operating panel and printer | **20-1150005-01-02** |
| **B6-SCP2040** | SecuriFire 2000 Basic Version, with built-in operating panel, printer and cut out for EPI devices or Ext. Zone panel | **20-1150006-01-02** |
| **B6-SCP2050** | SecuriFire 2000 Basic Version, integrated MIC11 and cut out for EPI device | **20-1150010-01-02** |

SecuriFire 2000 basic version including:
- Sheet steel cabinet (grey)
- DOM-lock
- B6-BCB13 Central Processor Unit
- B6-PSU Power supply unit
- Power clips and battery cable
- Battery compartment (max. batt. size 2 x 12 V/17 Ah)

*Technical data*

| | |
|---|---|
| Mains voltage / Frequency: | 230 VAC +15%/-20% 47-63 Hz |
| Power Consumption: | max. 160 W |
| Output voltage: | 26,3 VDC (+50°C) to 28,3 VDC (0°C) |
| Output current: | 4 A |
| Max. switching voltage: | 240 VAC / 125 VDC |
| Max. switching current: | 3 A |
| Max. switching capacity: | 300 W / 2,500 VA |
| Batteries (largest): | 2 pieces. 12 V / 17 Ah in series |
| Protection class (DIN 40050): | IP 30 |
| Ambient temperature: | -5° to +50°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Cabinet: | Sheet steel |
| Dimensions(HxWxD): | 400 x 445 x 150 mm |
| Weight of basic version: | 8 Kg(without batteries) |
| Case colour: | grey RAL 7035 |
| VdS-Approval: | G 209047 |

# 1.4. SecuriFire 3000 fire alarm control panel

## SCP 3000 Cabinet (key lock)

| | | |
|---|---|---|
| **B5-SCP3010** | Basic Version | **FG054100-B** |
| **B5-SCP3020** | with built-in operating panel | **FG054101-B** |
| **B5-SCP3030** | with built-in operating panel and printer | **FG054102-B** |
| **B5-SCP3040** | with built in panel, printer and cut out for EPI-device | **FG054103-B** |
| **B5-SCP3050** | with built in panel, printer and cut out for MMI-device | **20-1050000-01-03** |

SCP 3010

SCP 3020

Basic version including:
- Sheet steel cabinet (grey)
- DOM-lock
- B5-MCB15 Central Processor Unit
- B5-PSU power supply unit
- Module rack with BUS backplane
- Power clips and battery cable (B5 BATKAB1)
- Battery compartment
  (max. batt. size 2 x 12 V/40 Ah)

*Technical data*

| | |
|---|---|
| Mains voltage | 230 VAC(47-63 Hz) |
| Power Consumption | max. 280 W |
| Output voltage: | 26,3 VDC (min. At +50°C) |
| Output current: | 7,5 A |
| Max. switching voltage: | 230 VAC / 125 VDC |
| Max. switching current: | 3 A, both pins on terminals |
| Max. switching capacity: | 300 W /2,500 VA |
| Batteries (largest): | 2 x 12 V / 38...40 Ah |
| Protection class (DIN 40050): | IP 30 |
| Ambient temperature: | -5° to +50°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Cabinet: | Sheet steel |
| Dimensions (HxWxD): | 670 x 470 x 230 mm |
| Weight of basic version: | 23.5 kg (without batteries) |
| Case colour: | grey RAL 7035 |
| VdS-Approval: | G 209045 |

SCP 3030

SCP 3040

SCP 3050

**Panel Accessories:**

| Description | Type | Art. Nr. |
|---|---|---|
| Battery Extension Box (key lock), max 2 x 12V/45 Ah, size like SecuriFire 3000 | B5-ADB 11 | 10-2000001-01-02 |
| Battery Extension Box, max 2 x 12V/17 Ah, size like SecuriFire 2000 | B6-ADB 10 | 10-2000002-01-01 |
| Battery current measure cable | B3 KAB PSU5 | FG81720 |
| Cable for MMI-BUS with connector (between BAF/PSU and MMI-BUS part.) | B5-STS-MMI-SUB | 20-1060040-01-01 |
| Cable for MMI-BUS with connector (between two MMI-BUS part.) | B5-STS-MMI | 20-1060041-01-01 |
| Mains connection terminals for PSU | B5-STS-KL | 20-1060045-01-01 |
| Blind plate for covering free slots | B5 BFP | FG06240-9 |
| Color cassette for printer | PD FRB | HG694076 |
| Connection unit for SecuriFire Network module | B5-AE Cat7-RJ45 | 30-6800004-01-02 |
| Connector for SecuriFire Network module | B6-AS Cat7-RJ45 | 30-6800007-01-01 |
| Distance frame for additional 20mm space | DFC21-1 | 12-4400039-01-01 |
| Endless paper for printer | PD PPR | PPF-519057 |
| Mounting rail for connection unit | B5-HS 35/216 | 30-6800005-01-01 |
| Patch cable for network module | Cat5-Kabel 0,5 m | 30-6800006-01-01 |
| Patch cable for network module | Cat5-Kabel 3 m | 30-6800006-02-01 |
| Printer cover for SecuriFire Printer | B5-PDR-CO | 20-1400202-01-01 |
| Covering Strip (2 pcs.) | COS701-1 | 12-4400051-01-01 |
| SD-CARD for B5/B6 | SD-CARD for B5/B6 | FG020325 |
| 1 key to DOM-cylinder | DOM-key | 3910099 |

**Spare Parts:**

| Description | Type | Art. Nr. |
|---|---|---|
| Basic control board for SCP520 | B7-CPB11 | 20-1151100-01-02 |
| Basic control board for SCP1000 | B6-BCB12 | 20-1150001-01-01 |
| Basic control board for SCP2000 | B6-BCB13 | 20-1150000-01-01 |
| Main control board | B5-MCB15 | EG072970-A |
| Main Indication & Control Panel, non-redundant, for SCP1000 /2000 | B6-MIC11 | FG054501 |
| B6-PSU Power Supply Unit | B6-PSU | EG072950 |
| Fuse SI 8A for battery cable | ZUB SICH8 | IS625040 |
| G-Fuse 2.5A FF 5x20 | ZUB SICH | IS625228 |
| Protocol printer device | B5-PDR-DW | FG030550 |
| Battery Cable | B6 BATKAB | EI29940 |
| B4 Service bridge | B4 SERVBR | FG78802 |
| Plugs for B4 /B6-EIO inputs, 2 pcs | ST-SET-EIO | FG74109 |
| Connector B4-OM | ST-OM | YK130293 |
| Connector B4-LOOP / DAI | ST-LOOP/DAI | YK130295 |
| Connector B4-REL6 | ST-REL6 | YK130297 |
| 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 |
| Main Indication & Control Panel, redundant, for SCP3000 | B5-MIC11 | FG054500 |
| B5-PSU power supply unit | B5-PSU | EG072918 |
| B5-BUS System bus circuit board | B5-BUS | EG072919 |
| Bus circuit board for Relay bus | B3-BSR5 | EG072820 |
| Board mounting support | B3-BGT | FG67020 |
| Internal printer I/F | B5-PIF | EG072906 |
| External printer I/F | B5-PIE-A | EG072914 |
| Battery cable set | B5 BATKAB1 | FG29910 |
| Battery cable set long | B5 BATKAB2 | FG29911 |
| B3 Service pin | B3 SERVST | FG78801 |
| Connector DAI2 / DXI2 | ST-B3 16 | YY970138 |
| Connector DCI6 | ST-DCI6 | FG74099 |
| Connector MTI8 / IM8, angulate (2 units, screwable on the side) | ST-MTI8 | FG74087 |
| Connector OM8 | ST-OM8 | FG74095 |
| Connector BAF/OM | ST-BAF-OM | FG74088 |
| Connector BAF-MMI/L | ST-BAF-MMI-L | FG74086 |
| Connector PSU5 | ST-PSU5 | FG74090 |
| Key for SCP520 | DKM SCHL | FG020015-- |

**Software Dongles and Licenses:**

| Description | Type | Art. Nr. |
|---|---|---|
| License SecuriFire including USB Dongle | D&L Studio | VE010956 |
| License SecuriFire Studio 12 Months (extension) | LIC Studio | VE010962 |
| SecuriFire Virtual MIC simulation on PC (unlimited license) | D&L MIC Sim | VE010957 |
| Remote access Upgrade (unlimited license) | LIC RA | VE010958 |
| Additional Language (check library for availability) | LIC MIC Lang | VE010959 |

*Also available upon request:*
Ethernet cable 3m or 5m for linking the Service PC-via MCB15

# 1.5. Demo and Test Equipment

<span style="background-color:green">SecuriFire 500 Democase</span>



**SF 500 DCU**                                                                    **VE010963**

The SFD500 is a demonstration case for SecuriFire
Containing B7-SCP520, 1 MCD 573X, 1 CCD 573, RAL
720X and MCP 535X.
For sales demonstration
- Compact Dimension
- Incl. power cable (swiss standard)
- Incl. LAN cable to connect the SecuriFire Studio

*Technical data*

| | |
|---|---|
| Power Consumption: | max. 75 W |
| Weight: | 9.5 kg |
| Dimensions  (HxWxD): | 395 x 422 x 242 mm |

# 2. Indication and Operating Panels

## 2.1. Built-in Indication and Operation Panels

### B4 indicator panel for 1 exting. area without housing incl. cable

**B4-EIP** (without case, for mounting in a SCP 2040/2050)          **FG81624A9**

Single-zone extinguisher display
Internal LED control panel for one extinguishing area,

Characteristics:
- Display foil with 12 LEDs for extinguishing area
- Collective display with 9 LEDs
- Key switch for maintenance, extinguishing area in revision
- Labelling is by means of insertion strips

### Built in Fire brigade panel CH    (for Switzerland)

**B5-EPI-FPC-E** (without case, for mounting in a SCPxxxx)          **20-1240001-01-01**

Fire brigade panel providing an easy man-machine-interface for the fire brigade. Features a language independent application by means of pictograms. Connects via its EPI bus (cable included).

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 1 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions (HxWxD): | 85 x 70 x 20 mm |

### Built in Fire brigade panel NL    (for Netherland)

**B5-EPI-ASP-E** (without case, for mounting in a SCPxxxx)          **20-1240110-01-02**

Fire brigade panel providing an easy man-machine-interface for the fire brigade. Features a language independent application by means of pictograms. Connects via its EPI bus(cable included).

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 1 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions (HxWxD): | 85 x 70 x 20 mm |

# SECURITON

## B3 Indicator Panel for 32 DZ w/o housing
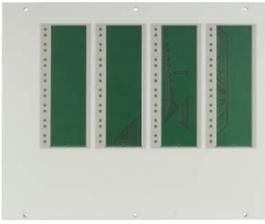
**B3-MMI-EAT32 BFE** ( w/o housing / for panel integration)          **FG81622A9F**

LED indicator panel for indication of alarm, fault and disablement states for 32 detector zones. The labelling uses push-in strips (not supplied) with the device also available without a case for fitting in switching cabinets.

## B3 Indicator Panel for 4 exting. zones w/o housing
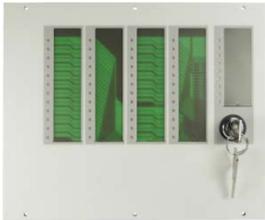
**B3-MMI-IPES BFE** ( w/o housing / for panel integration)          **FG81620A9F**

LED indicator panel for indication of alarm, fault and disablement states for 4 extinguish zones. The labelling uses push-in strips (not supplied) with the device also available without a case for fitting in switching cabinets.

## B3 External Indicator Panel for 64 DZ w/o housing
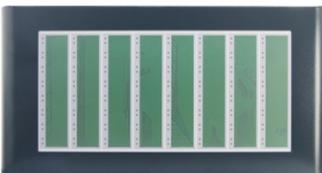
**B3-MMI-EAT64 BFE** (without housing)          **FG81623-9F**

LED indicator panel for indication of alarm, fault and disablement states for 64 detector zones. The labelling uses push-in strips (not supplied)

*Technical data*

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

## B3 External Indicator Panel for 8 exting. zones w/o housing
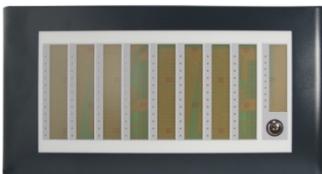
**B3-MMI-IPEL BFE** (without housing)          **FG81621-9F**

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)

*Technical data*

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

# 2.2. External Indication and Operation Panels

The SecuriFire standard indication and control maps provide well-organized, convenient, standards-compliant display and operation of a SecuriFire system and can be built into a FCP or separately mounted in their own housings.

External devices and indication and control maps can be connected to the "EPI-BUS" on each MIC. A maximum of 3 participants can be connected to this data bus at a distance of up to 1 m from the main indication and control map MIC.

| Main Indication & Control Panel |
|---|

**B5-MIC711**  (for RS485, SCP-network connection)  **20-1230006-01-01**

External main indication and control panel for SecuriFire 3000.
User-friendly full operation with "SecuriWheel" and system symbols.
Characteristics:
- In SecuriFire LAN integrable
- 5.7" TFT-Colour Display
- Customized menus (optional)
- Operation with scroll wheel or functional keys
- 4 different languages changeable online
- Up to 1200-m distance between MIC711 and central
- Redundant by double ring crosslinking
- Crosslinking with Ethernet protocol possibly (RX/TX)
- EPI-BUS- Interface
- Interface for external printer B5-MIC-PPE

*Technical data*

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

| Main Indication & Control Panel |
|---|

**B6-MIC711**  (for RS485, non redundant)  **20-1230003-01-02**

External non redundant main indication and control panel for SecuriFire 2000.
User-friendly full operation with "SecuriWheel" and system symbols.
Characteristics:
- In SecuriFire LAN integrable
- 5.7" TFT-Colour Display
- Customized menus (optional)
- Operation with scroll wheel or functional keys
- 4 different languages changeable online
- Up to 1200-m distance between MIC711 and central
- Crosslinking with Ethernet protocol possibly (RX/TX)
- EPI-BUS- Interface
- Interface for external printer B5-MIC-PPE

*Technical data*

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

# SECURITON

## Floor indication panel

**B5-MMI-FIP**                                         20-1230005-01-01

The SecuriFire floor indication panel provide well organized and convenient announcement of the conditions of the SecuriFire - system.
It contains a monochrome LCD display with 6 lines for the indication of all investment conditions in the clear text.
No inscription on housing front (only announcement elements).
Characteristics:
- Connection to MMI-BUS
- Up to 1200m distance between FIP and central possible
- EPI-BUS-Interface

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 213 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions(HxWxD): | 276 x 170 x 52 mm |
| Display: | LCD display with 6 lines |

## Empty housing with blind cover

**EHB 701-1**          (EPI panel size)               12-4400038-01-01

The EHB 701 Empty Housing with Blind cover is for the SecuFire fire alarm control panel or the SecuriSafe intrusion control panel. It can be used as a distributor box, installation box, or for similar applications.

*Technical data*

| | |
|---|---|
| Protection class: | IP 42 |
| Dimensions(HxWxD): | 137,5 x 170 x 45 mm |

**SECURITON**

**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: | MMI-BUS |
| Electrical: | galvanically isolated RS 485 |
| Protocol: | 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. | |
| LED Outputs: | 64 LED outputs 2 mA |
| LEDs per panel: | max. 256 |
| Open Collector Outputs: | 8 up to max.100 mA Output voltage max. +30 V |
| Matrix Configuration: | 8 inputs with 8 outputs in an 8 x 8 matrix |
| Supply Voltage: | +5 VDC |
| Current Draw: | max. 3.3 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions(HxWxD): | 160 x 105 x 20 mm |
| VdS-Approval: | G200116 |

**Accessories:**

| Description | Type | Art. Nr. |
|---|---|---|
| Plastic Box | UIO-GEH | FG69041 |
| Support plate | UIO STP | FG05203 |
| Ribbon cable 34 pole with plug (1m) | UIO KAB 34 | FG81725 |
| Ribbon cable 40 pole with plug (1m) | UIO KAB 40 | FG81726 |

**SECURITON**

**B3-MMI-EAT64-S**                                    20-1230119-01-01

LED indicator panel for indication of alarm, fault and disablement states for 64 detector zones. The labelling uses push-in strips (not supplied). The device is 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: | 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 (HxWxD): | 228 x 445 x 48 mm |
| Case colour: | grey RAL 7016 |

**B3-MMI-IPEL-S**                                    20-1230120-01-01

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). The device is 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: | 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 (enclosure) (HxWxD): | 228 x 445 x 48 mm |
| Case colour: | grey RAL 7016 |

## Intervention panel SV  (for Sweden )

**B5-MMI-IPS-S**  (cased version for external mounting)    **20-1230114-01-01**

Intervention panel. Displays the relevant operating states to ensure simple operation by the fire brigade. Display message and labels are in Swedish language

*Technical data*

| | |
|---|---|
| Operating voltage: | 15 to 30 V |
| Quiescent current: | 14 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions (HxWxD): | 180 x 55 x 280 mm (HxWxD) |

## Fire brigade panel SV  (for Sweden)

**B5-MMI-FPS-S** (cased version for external mounting)    **20-1230117-01-01**

Fire brigade panel. Displays the relevant operating states to ensure simple operation by the fire brigade.

*Technical data*

| | |
|---|---|
| Operating voltage: | 15 to 30 V |
| Quiescent current: | 14 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions (HxWxD): | 276 x 170 x 52 |

## Firebrigade panel CZ  (for Czech Republic)

**B5-MMI-FPCZ** (cased version for external mounting)    **20-1240201-01-01**

Intervention panel display and indicator panel. Displays the relevant operating states to ensure simple operation by the fire brigade.

*Technical data*

| | |
|---|---|
| Operating voltage: | 15 to 30 V |
| Quiescent current: | 14 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions (HxWxD): | 185 x 255 x 65 mm |

## Fire Brigade Panel NL  (for Netherland)

**B5-EPI-ASP-GS** (cased version for external mounting)    **20-1230110-01-01**

Fire brigade panel providing an easy man-machine-interface for the fire brigade. Features a language independent application by means of pictograms. Fits neat & nice beside a MIC711 and connects via its EPI bus (cable included).

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 0 mA |
| Ambient temperature: | -5° to +50°C |

| Fire brigade panel CZ | (for Czech Republic) |
|---|---|

**B5-EPI-FPCZ**     (cased version for external mounting)     **20-1240121-01-01**

DIN 14662 compliant fire brigade panel display and indicator panel. Displays the relevant operating states to ensure simple operation by the fire brigade. Provides an interface for extending the installation by a DIN14661 compliant fire brigade control panel. Display message and labels are in Czech language.

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 21 mA |
| Data transmission: | EPI-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 (HxWxD): | 185 x 255 x 65 mm |
| Case colour: | grey RAL 7032 |

| Fire Brigade Panel SV | (for Sweden) |
|---|---|

**B5-EPI-FPS-S**     (cased version for external mounting)     **20-1230113-01-01**

SS3654 compliant fire brigade panel display and indicator panel. Displays the relevant operating states to ensure simple operation by the fire brigade. Display message and labels are in Swedish language

*Technical data*

| | |
|---|---|
| Operating voltage: | 15 to 30 V |
| Quiescent current: | 14 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions(HxWxD): | 276 x 170 x 52 |

| Fire brigade panel CH | (for Switzerland) |
|---|---|

**B5-EPI-FPC-GS** (cased version for external mounting)     **20-1230001-01-01**

Fire brigade panel providing an easy man-machine-interface for the fire brigade. Features a language independent application by means of pictograms. Fits neat & nice beside a MIC711 and connects via its EPI bus (cable included).

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 0 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions (HxWxD): | 138 x 170 x 52 |

## Partial Indication and Control Map

**B5-EPI-PCM-GS**  (cased version for external mounting)          **20-1230111-01-01**

For switching and indicating functions in a SecuriFire
system. Functions on buttons and LEDs can be configured
via software.
- 16 LEDs (8 red and 8 yellow, pair wise)
- 8 push buttons

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 0 mA |
| Ambient temperature: | -5° to +50°C |

## Partial Indication Map ( 2x16 LED red/yellow)

**B5-EPI-PIM-GS**  (cased version for external mounting)          **20-1230112-01-01**

For status indication of detectors, zones or any other
system parts. LEDs can be configured via software.
-    32 LEDs (16 red and 16 yellow, pair wise)

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30 V |
| Quiescent current: | 0 mA |
| Ambient temperature: | -5° to +50°C |

## Indication & Contr. Panel (8 Buttons, 3x16 LED, red/ylw) in a SCP 500 housing

**B7-PLB-PCM**          **20-1230116-01-01**

SCP Cabinet with built in Partial indication and Control
map (3 x16 LED red/yellow, 8 Buttons)
Characteristics:
-    EPI-BUS- Interface

*Technical data*

| | |
|---|---|
| Operating voltage: | 22 to 30V |
| Quiescent current: | 213 mA |
| Ambient temperature: | -5° to +50°C |
| Dimensions(HxWxD): | 300 x 340 x 80 mm |

## Printer for MIC711

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

Protocol printer for hard copy documentation of logged
events. Comes in a MIC size housing and with the cable to
connect it to the MIC711.

*Technical data*

| | |
|---|---|
| Operating voltage: | 10 to 30 V |
| Quiescent current: | 0 mA |
| Power Consumption (print): | 35 mA |
| Ambient temperature: | 0° to +50°C |
| Dimensions (with case) (HxWxD): | 170 x 138 x 62 mm |

**Spare parts**

| Description | Type | Art. Nr. |
|---|---|---|
| Colour cartridge for printer | PD FRB | HG694076 |
| Paper roll for protocol printer | PD PPR | PPF-519057 |

# SECURITON

## 2.3. 19'' Equipment

**19" Rack Version, incl. B5-PSU, B5-BUS, B5-MCB15, battery compartment**

**B5-STS-BGT-SF**                                                 20-1060006-02-02

SecuriFire 3000 Rack for mounting in a 19'' standing
cabinet.
Inclusive:
- B5-PSU
- B5-BUS
- B5-MCB15
- Battery compartment B5-STS-AF

**External Indicator Panel for 64 DZ 19" (5 RU)**

**B5-STS-MMI-EAT64-2**                                           20-1060011-01-01

LED indicator panel 19'' for indication of alarm, fault and
disablement states for 64 detector zones. The labelling
uses push-in strips (not supplied).The device is 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: | 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 (HxWxD): | 228 x 445 x 48 mm |
| Case colour: | grey RAL 7016 |

**External Indicator Panel for 8 exting. zones 19" (5 RU)**

**B5-STS-IPEL-2**                                                20-1060012-01-01

External LED indicator panel 19'' 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).

*Technical data*

| | |
|---|---|
| Operating voltage: | 10 to 30 V |
| Quiescent current: | 2 mA per lit LED |
| 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 (enclosure) (HxWxD): | 228 x 445 x 48 mm |
| Case colour: | grey RAL 7016 |

## Front plate for MIC711 or 2 EPI devices

**B5-STS-MIC**                                          20-1060004-01-02

Front plate for MIC711 or 2 EPI devices, for mounting in a
19" standing cabinet. (5 RU)

## Front plate for MIC711 and EPI device
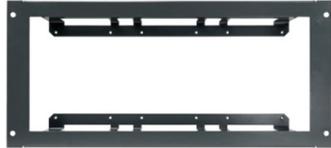
**B5-STS-MIC2**                                         20-1060015-01-01

Mounting frame for 19" standard closet with cut out for one
MIC711 and EPI device or 3 EPI devices. (5 RU)

## Battery compartment for standing cabinet

**B5-STS-AF**                                           20-1060007-01-01

Battery compartment to store batteries in a 19'' standing
cabinet.

## Printer for 19"

**B5-STS-PR-2**                                         20-1060001-01-01

Front plate for a protocol printer, for mounting in a 19"
standing cabinet.

## Blind plate small for 19" (1 RU)

**B5-STS-BFP2-2**                                       20-1060008-01-01

Blind front plate small, for mounting in a 19" standing
cabinet.

## Blind plate for 19" (5 RU)

**B5-STS-BFP-2**                                        20-1060003-01-01

Blind front plate, for mounting in a 19" standing cabinet.

# ◉ SECURITON

## 2.4. Mounting Frames

**FME 70-1**                                      12-4400004-01-01

Consists from flush mounting case with frame and attachment screw, to SecuriFire indication and control panels. Incl. plan box PLB 70-1
For 1 MIC and 1 small operating device and plan box.

*Technical data*

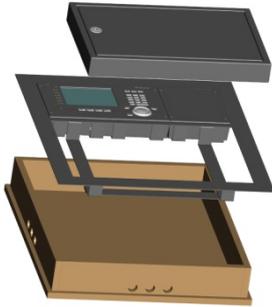| Dimensions (H x D x W): | 459x542x90 mm |
|---|---|

**Spare Parts:**

| Description | Type | Art. Nr. |
|---|---|---|
| Frame for flush mounting equip. | FFM 70-1 | 12-4400002-01-01 |
| Flush Mounting Case | FMC 70-1 | 12-4400003-01-01 |
| Plan box | PLB 70-1 | 12-4400001-01-01 |
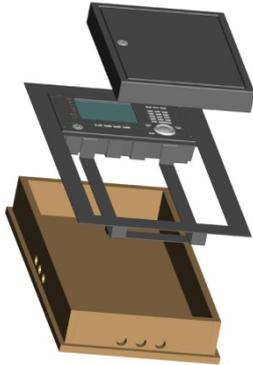
**FME 71-1**                                      12-4400013-01-01

Consists from flush mounting case with frame and attachment screw, to SecuriFire indication and control panels. Incl. plan box PLB 71-1.
For 1 MIC and 1 small operating device and plan box.

*Technical data*

| Dimensions (H x D x W): | 357x617x90 mm |
|---|---|

**Spare Parts:**

| Description | Type | Art. Nr. |
|---|---|---|
| Frame for flush mounting equip. | FFM 71-1 | 12-4400009-01-01 |
| Flush Mounting Case | FMC 71-1 | 12-4400005-01-01 |
| Plan box | PLB 71-1 | 12-4400017-01-01 |
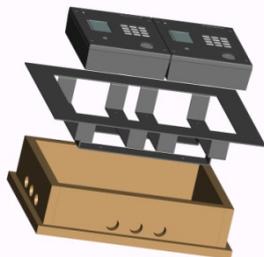
**FME 73-1**                                      12-4400015-01-01

Consists from flush mounting case with frame and attachment screw, to SecuriFire / SecuriSafe indication and control panels.
For 1 MIC and 2 small operating device.

*Technical data*

| Dimensions (H x D x W): | 357x251x90 mm |
|---|---|

**Spare Parts:**

| Description | Type | Art. Nr. |
|---|---|---|
| Frame for flush mounting equip. | FFM 73-1 | 12-4400011-01-01 |
| Flush Mounting Case | FMC 73-1 | 12-4400007-01-01 |

# 3. SecuriFire 2000 Units

Every SecuriFire 2000 basic version includes the central processor unit B6-BCB 13 and the power supply unit B6-PSU. The units B4 / B6-XXX must be equipped on the addition slot. All plugs are enclosed.

## B6-LXI2 Loop I/F, LAN I/F board

**B6-LXI2**                                                                                       **20-1100002-01-01**

For connecting a further two addressable loops with detectors and modules featuring SecuriLine eXtended addressable loop technology to the SecuriFire 2000. Alternatively one addressable loop and two stub lines or four stub lines can also be connected. The unit also has a LAN interface. This means that all the options of a LAN interface can be used even with 4 loops. The unit is fitted to the main control unit B6-BCB13.

*Technical data*

| | |
|---|---|
| Output voltage: | 30 V DC ±3% |
| Power consumption: | 150 mA |
| Transmission type: | Start-stop operation, 8 data bits |
| Transmission rate: | 4.800 bit/s |
| Direction: | bidirectional |
| Physical characteristics: | 16-pin plug-in screw terminal RM 3,81 |
| Ambient temperature: | -0 C to +50 C |

## RS 485 / 100 Base TX I/F board, 2x RS485, 1x 100Base-TX

**B6-NET2-485**                                                                                  **EG072934**

For redundant networking of SecuriFire 2000 control panels or for redundant connection of PC applications. The module consists of 2 network connectors (RS 485 interface) and one 100 Base TX interfaces. The module is connected to the B6-BCB 13 main processor unit.

*Technical data*

| | |
|---|---|
| Supply voltage: | internally via the system BUS |
| Power consumption: | 53 mA |
| Ambient temperature: | 0 °C to +50°C |
| Transmission type: | TCP / IP |
| Physical characteristics: | 5 x RJ-45 sockets - 8 pole g |
| Direction: | bidirectional, full-duplex |
| LAN- interfaces: | 1x Ethernet 100 Base TX |
| Speed: | max. 100Mbit/s |
| Distance: | max. 100m |
| RS485-interfaces: | 2 x RS485 with redundant cabling, of which 1 galvanically isolated |
| Speed: | max. 1.25 Mbit/s |
| Distance: | max. 1200m |
| Cable: | UTP Cat 5 |

# SECURITON

## LAN I/F board, 1x 100Base-TX

**B6-LAN**

**EG072940**

For non-redundant networking of SecuriFire FCP 2000 control panels for non-redundant connection of PC applications. The module is connected to the B6-BCB 13 main processor unit.

*Technical data*

| | |
|---|---|
| Supply voltage: | internally via the system BUS |
| Power consumption: | 0 mA |
| Ambient temperature: | 0 °C to +50°C |
| Transmission type: | TCP / IP |
| Physical characteristics: | 1x RJ-45 sockets, 8 pole |
| Direction: | bidirectional, full-duplex |
| LAN- interfaces: | 1x Ethernet 100 Base TX |
| Speed: | max. 100Mbit/s |
| Distance: | max. 100m |

## B4-USI Univ. Serial I/F

**B4-USI**

**EG072834**

The B4-USI is a universal communication unit and serves to connect SecuriFire 2000 to management systems and to actuate external printers, pagers, ComBOX, telephone servers, etc. The link to management systems is line type. The selection of operation mode of the interface pair parameters is performed by programming.

*Technical data*

| | |
|---|---|
| Supply voltage: | intern via System BUS |
| Power consumption: | 21 mA |
| Ambient temperature: | 0 °C to +50°C |
| Range: | RS 485, RS 422 = 1200m |
| | RS 232 = 15m |
| Transmission type: | asynchronous serial |
| Baud rate: | 57,6 kBaud |
| Interface type: | RS485, RS422 or RS232 |
| Interfaces X2 and X4 | 0A/1A (RS485, RS422 or RS232) |
| Interface X3 | PCMCIA slot (not supported) |

## RS 485 / 100 Base TX I/F board, 2x RS485 FXS, 2x 100Base-TX

### B6-NET2-FXS

**20-1100000-01-01**

For redundant networking of SecuriFire 2000 control panels or for redundant connection of PC applications. The module consists of 3 network connectors (1 x RS 485 interface, 2 x FXS) and one 100 Base TX interface. The module is connected to the B6-BCB 13 main processor unit.

*Technical data*

| | |
|---|---|
| Supply voltage: | internally via the system BUS |
| Power consumption: | 179.5 mA |
| Ambient temperature: | -5°C to +50°C |
| Transmission type: | TCP/IP |
| Physical characteristics: | RJ-45 connector, 8-pin |
| Direction: | Bidirectional, full-duplex |
| LAN- interfaces: | Ethernet 100BASE-TX |

## RS 485 / 100 Base TX I/F board, 2x RS485 FXM, 2x 100Base-TX

### B6-NET2-FXM

**20-1100001-01-01**

For redundant networking of SecuriFire 2000 control panels or for redundant connection of PC applications. The module consists of 3 network connectors (1 x RS 485 interface, 2 x FXM) and one 100 Base TX interface. The module is connected to the B6-BCB 13 main processor unit.

*Technical data*

| | |
|---|---|
| Supply voltage: | internally via the system BUS |
| Power consumption: | 205 mA |
| Ambient temperature: | -5°C to +50°C |
| Transmission type: | TCP/IP |
| Physical characteristics: | RJ-45 connector, 8-pin |
| Direction: | Bidirectional, full-duplex |
| LAN- interfaces: | Ethernet 100BASE-TX |

## B6-EIO input/output module

### B6-EIO

**20-1100003-01-02**

The B6-EIO Unit includes 10 monitored inputs and 8 monitored outputs as well as the control electronics for the LED indication panel, which is built into the door of every SecuriFire ECP/FEP 2000.
The unit was developed for standards-compliant actuation of an extinguishing area. However, in accordance with its features, it can also be used in other ways.

*Technical data*

| | |
|---|---|
| Supply voltage: | internally via the system BUS |
| Power consumption: | 13,5 mA max. limited |
| Connection: 10 detection zones (up to 30 detectors / zone) | |
| Max. line resistance | max. 50 $\Omega$ |
| Ambient temperature: | -5° to +50°C |
| Addressable: | not possible |
| Distance: | max. 1100 m |

# 4. SecuriFire 3000 Boards

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.

**Slot Allocation**

The module rack of every SecuriFire 3000 always contains

1.  Main Control Board B5-MCB15 placed in slot 1
2.  Power Supply Unit B5-PSU in slot 10
3.  If anyone of the B5 LAN, B5-NET2-485 or B5-NET4-485 modules is used, it must be placed in slot 2
4.  Slots 11 to 13 are solely for relay modules B3-REL10/16/16E. The terminal blocks for the relay boards need to be ordered separately. Using any of the slots 11 to 13 requires that slot nine is not left free. Anyone of the boards B5-BAF or B5-MRI16 must be connected to slot 9.
5.  Slots 3 to 9 are for all other boards. Slot 9 needs to be equipped in order to enable slots 11 to 13.

## Control board

**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, a fire brigade operating panel and 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): | |
| | 12 pin connectable screw clip plug |
| Transmission type: | parallel, bidirectional |
| Range: | 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 |

### B5-DXI2

**EG072912**

For connecting two addressable loops with detectors and modules featuring SecuriLine eXtended addressable loop technology to the SecuriFire 3000. Alternatively one addressable loop and two stub lines or four stub lines can also be connected.

*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 |

### 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 sub control 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 |

## RS 485 / 100 Base TX I/F board, 4x RS485, 2x 100Base-TX

**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 sub control 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 |

## RS 485 / 100 Base TX I/F board, 2x RS485 FXS, 2x 100Base-TX

**B5-NET2-FXS**

**20-1000000-01-01**

For redundant networking of SecuriFire 3000 control panels or for redundant connection of PC applications. The module consists of 3 network connectors (1 x RS 485 interface, 2 x FXS) and one 100 Base TX interface. 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: | LC 2x5 connector |
| Direction: | bidirectional |
| LAN- interfaces: | Ethernet 100 Base TX |
| Transmission type: | TCP/IP |
| Direction: | Bidirectional, full-duplex operation |
| Protection: | EMC and ESD with high-voltage capacitors |
| Mechanical design: | RJ-45 connector, 8-pin |
| 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 |

## RS 485 / 100 Base TX I/F board, 2x RS485 FXM, 2x 100Base-TX

**B5-NET2-FXM**

**20-1000001-01-01**

For redundant networking of SecuriFire 3000 control panels or for redundant connection of PC applications. The module consists of 3 network connectors (1 x RS 485 interface, 2 x FXM) and one 100 Base TX interface. 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: | LC 2x5 connector |
| Direction: | bidirectional |
| LAN- interfaces: | Ethernet 100 Base TX |
| Transmission type: | TCP/IP |
| Direction: | Bidirectional, full duplex operation |
| Protection: | EMC and ESD with high-voltage capacitors |
| Mechanical design: | RJ-45 connector, 8-pin |
| RS485-interfaces: | RS485. Galvanic separation |
| Transmission type: | Differential signal |

## LAN I/F board

**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: | Ethernet 100 Base TX |
| Speed: | max. 100 Mbit/s |
| Distance: | max. 100 m |

**B3-USI4**                                                              **EG072815**

For connecting SecuriFire sub control 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 sub control 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<br>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<br>2 redundant RS232 interfaces, galvanically isolated |

## Monitored output board

### B5-OM8

**20-1000002-01-01**

This indicating Circuit Controller is designed for efficient, addressable control of sounders, sirens, bells and strobes. The maximum output current of 1,3 A per output and 3A per block of four lines (1 to 4 and 5 to 8) assures meeting all requirements for signaling devices. The outputs are monitored for short circuits and wire breaks.
Note: The total output current of the module depends on the capacity of the power supply unit and overall system load connected to it.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS |
| Current consumption: | 28 mA |
| Ambient temperature: | 0° to +50°C |
| Transmission Type: | serial |
| Direction: | bidirectional |
| Physical characteristics: | 96-pin connector |

## Surveyed input board, incl. connector plug

### B3-IM8

**EG072855**

The B3-IM8 is designed to provide an interface between conventional detectors and the SecuriFire panel. It enables the panel to use each of the eight channels individually to monitor the presence and operation of up to 32 conventional detectors per channel (max. 256 detectors) monitor the presence and operation of up to 10 Ex detectors in intrinsically safe applications using Z787 safety barriers monitor proper operation of an activated device such as valves, doors etc... Allows for VdS compliant monitoring of extinguishing devices.
Designed and approved for Hekatron 130 Series and specific Hochiki Ex rated detectors. Please refer to the product data sheet for related information.
The inputs are supervised for open and short circuits. Each channel / input is individually programmable and configurable using configuration software and on-board jumpers.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS |
| Current consumption: | |
| Quiescent: | 9 mA |
| Alarm Threshold: | 10mA |
| Ambient temperature: | -5° to +50°C |
| Connection: | 8 detector zones / monitored inputs |

## Alarm line board for detectors series 140

**B3-LEE23**                                                                           **EG072851**

For connecting up to 8 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 |
| Wiring length: | max. 1000 m |

## Alarm loop board for detectors series 150

**B3-LEE24**                                                                           **EG072852**

Refurbishing module for old installations based on HX 150 detectors. Provides 4 addressable loops supporting HX protocol and 127 HX 150 detectors each. A maximum of five B3-LEE24 modules can be plugged in slots 2 to 8 of the SecuriFire module rack.

*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 |

## Direct current technique board (Detector series Hochiki)

**B3-DCI6**                                                                    **EG072811**

The B3-DCI6 is used for supplying and evaluating up to 6 inputs, which can be set either as detector zones using DC technology, as monitored inputs or as extinguisher inputs (e.g. VdS extinguishing interface, primary inputs, valve monitoring etc.) via jumper caps and via programming. It is possible to differentiate between a maximum of ten detector areas by means of an optional 3 core wiring system.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS |
| Line voltage: | 22V to +30V |
| Line current: | 30 mA max. current limited |
| Terminal resistance: | 11.8 kΩ |
| Alarm resistance: | 560 Ω |
| Line resistance: | Max. 71.5 Ω per core |

## Relay I/F board

**B5-MRI16**        (delivered with connectors front screw)        **20-1000006-01-01**

The module offers 16 bi-stable, freely programmable 24 V/3 A relay contacts. Whether a contact is Normally Open (NO) or Normally Closed (NC) is software configurable. 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 the slots 2-9 of the SecuriFire module rack.
**System configuration hint**: The B5-MRI16 is able to drive the expansion bus (slots 11 to 13) when placed in slot 9. Doing so will allow you to run relay modules of type B3-REL10, B3-REL16 and B3-REL16E plugged in slot 11 to 13.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS/Relay BUS |
| Current consumption: | 6 mA typ. (battery current) |
| Ambient temperature: | -5° 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 |

**Note:** The removable terminal blocks are included..

## Relay board with 230V contacts

**B3-REL10** (delivered with connectors front screw) **20-1000003-01-02**

The module contains 10 bi-stable, 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.
**System configuration hint**: The B3-REL10 can only be used in slot 11 to 13.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS/Relay BUS |
| Ambient temperature: | -5° to +50°C |
| Relay construction: | bistable |
| Contact resistance: | 30 m$\Omega$ |
| Maximum switching surge: | 230 VAC/ 125 VDC |
| Max. switching current: | 3A both poles routed to terminals |

**Note:** The removable terminal blocks are included.

## Relay board with 24V contacts
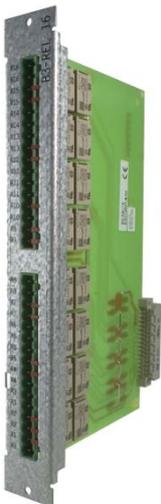
**B3-REL16** (delivered with connectors front screw) **20-1000004-01-02**

The module contains 16 bi-stable, 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.
**System configuration hint**: The B3-REL16 can only be used in slot 11 to 13.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS/Relay BUS |
| Ambient temperature: | -5° to +50°C |
| Relay construction: | bistable |
| Contact resistance: | 30 m$\Omega$ |
| Maximum switching surge: | 30 VAC/ 30 VDC |
| Max. switching current: | 3A both poles routed to terminals |

**Note:** The removable terminal blocks are included.

## Relay board with fused 24V outputs

**B3-REL16E**        (delivered with connectors front screw)        **20-1000005-01-01**

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.

**System configuration hint**: The B3-REL16E can only be used in slot 11 to 13.

*Technical data*

| | |
|---|---|
| Power supply: | internally via the system BUS/Relay BUS |
| Ambient temperature: | -5° 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 |
| Contact protection: | Micro Fuse 3,15 A SLOW |

**Note:** The removable terminal blocks are included.

## SecuriFire 3000 Plug-in Modules

**Accessories:**

| Description | Type | Art. Nr. |
|---|---|---|
| I/F converter | ADAM 4520 | FG020212 |
| Plastic box for UIO | UIO GEH | FG69041 |
| Steel plate for module UIO | UIO STP | FG05203 |
| Connection cable with connector 34 pin | B3 UIO KAB34 | FG81725 |
| Connection cable with connector 40 pin | B3 UIO KAB40 | FG81726 |
| Pluggable Terminal Block (set of 2) for REL10 front screw | ST-SET REL10 | 20-1040101-01-01 |
| Pluggable Terminal Block (set of 2) for REL16/16E, MRI, front screw | ST-SET REL16 | 20-1040100-01-01 |

# 5. SecuriLine eXtended Modules

<div style="background:green; color:white">Single Detector I/F for alarm transmission</div>

| | | |
|---|---|---|
| **SDI 82X-1** | (MCP or other contacts) | **10-1200000-01-01** |

Addressable I/O module typically connected to Manual Call points (MCP), Pull Stations, Smoke Switches or Door monitors. For SecuriLine eXtended.
Provides 3 inputs and 1 output, freely programmable

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 30 V DC |
| Current draw, constant: | 300 µA |
| Ambient temperature: | -25 °C to +70 °C |
| Colour: | white |
| Dimensions (H x W x D): | 32 x 22 x 14 mm |
| VdS-Approval: | G211046 |

<div style="background:green; color:white">Single Detector I/F</div>

| | | |
|---|---|---|
| **SDI 81X-1** | 3 Inputs 1 Output | **12-1200000-01-01** |
| **SDI 81X/1-1** | 3 Inputs 2 Outputs | **12-1200001-01-01** |
| **SDI 81X/1-2** | 3 Inputs 2 Outputs, in housing for support rail | **12-1200001-02-01** |

Addressable I/O module typically connected to Manual Call points (MCP), Pull Stations, Smoke Switches or Door monitors. For securiLine eXtended
With emergency alarm transmission.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 30 V DC |
| Current draw, constant: | 300 µA |
| Ambient temperature: | -25 °C to +70 °C |
| Colour: | white |
| Dimensions (H x W x D): | 32 x 22 x 14 mm |
| VdS-Approval: | G211046 |

**BX-OI3**                                     20-2100001-01-03

Contains a relay output with a programmable fail-safe position, two inputs for monitored querying of potential-free contacts and an optocoupler input for monitoring external voltages. In addition, the voltage on the loop circuit is internally monitored for low voltage. The BX-OI3 is particularly well-suited for connecting special detectors (flame and line detectors, smoke aspirating systems etc.). 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 to 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° to +60°C |
| Rel. air humidity: | 5 to 95% without condensation |
| Dimensions(H x W x D): | 67 x 67 x 20 mm with case: 94 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G 210133 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➔ See accessories for loop modules

**BX-AIM**                                                      **20-2100005-01-04**

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 to 29 VDC (from the loop circuit) |
| Power consumption: | without DC branch: Type 460 µA<br>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° to +60°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Dimensions(H x W x D): | 67 x 67 x 20 mm<br>with case: 94 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free, |
| Colour: | grey RAL7035 |
| VdS-Approval: | G208138 |

**Accessories:**

| Description | Type | Art. No. |
|---|---|---|
| Ex-i end of line resistor 19k1 for module AIM | EOL Ex 19k1 | 4301190 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➔ See accessories for loop modules

**BX-IOM**

**20-2100002-01-06**

For controlling monitored devices, which are supplied with power by an external power supply (e.g. sirens etc.). The module contains a short circuite resistant monitored output (suitable for continuous operation of fur a configurable pulse emmision with emission time limitation) and galvanically isolated input which can be used either as a voltage on the loop circuite is internally monitored for undervoltage. Both the addressing of the module an the setting of its parameters, which are set seperatly for every input, are carried out using PC software via the fire alarm control panel.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 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 $\Omega$ to 1k$\Omega$, 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° to +60°C |
| Rel. air humidity: | 5 to 95% without condensation |
| Dimensions(H x W x D): | 67 x 67 x 20 mm with case: 94 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G210132 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➔ See accessories for loop modules

**BX-REL4**

20-2100004-01-03

Provides for four potential free relay outputs with a contact rating of 2A @ 230V. Each relay allows for COMMON, NORMALLY OPEN and NORMALLY CLOSED contacts. Each input is freely programmable using SecuriFire Studio. The module 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. It fits nicely in the IP 66 rated enclosure listed below which allows for different cable inlets.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 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: | integrated |
| Protection class: | IP 66 with case |
| Ambient temperature: | -20° to +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(H x W x D): | 67 x 67 x 20 mm |
| | with case: 130 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G210134 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➔ See accessories for loop modules

## Monitored Input Module

**BX-IM4**                                          **20-2100003-01-03**

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 to 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° to +60°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Dimensions(H x W x D): | 67 x 67 x 20 mm with case: 94 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G210131 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➔ See accessories for loop modules

**BX-ESL**                                          20-2100007-01-03

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 to 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° to +60°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Dimensions(H x W x D): | 58 x 58 x 34 mm with case |
| Case: | PA-Taromid (Thermoplastic) |
| Colour: | case red RAL 3016 |
| | cover black RAL 9005 |
| VdS-Approval: | G210130 |

### BX-O2I4

20-2100014-01-03

The BX-O2I4 has two relay outputs and four monitored inputs for polling potential-free contacts.
The individual I/O functions can be configured differently and combined so that this module can be used, for example, for the integration of fire protection flaps with feedback.
Addressing and parameter assignment for the BX-O2I4 is performed with PC software via the fire alarm control panel.
The module includes a short-circuit isolator. In the event of wire breakage or a short-circuit, this functionality ensures that the fault is localised and at the same time maintains the full operability of the addressable loop.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 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° to +60°C |
| Rel. air humidity: | 5 to 95% without condensation |
| Dimensions(H x W x D): | 67 x 67 x 20 mm |
| | with case: 130 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G 211050 |

**Note:**
The box GEH MOD2 IP66 must be ordered separately
➔ See accessories for loop modules

**BX-O1**                                              **20-2100015-01-02**

Provides one potential free relay outputs with a contact rating of 2A @ 230V. Each input is freely programmable using SecuriFire Studio.
The module is also suitable for emitting switching impulses. The relay output 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. It fits nicely in the IP 66 rated enclosure listed below which allows for different cable inlets.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 30 V |
| Power consumption: | typ. 510 µA |
| Signal transmission: | serial, 2 wire technology |
| Function: | 1 potential-free relay output |
| 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: | integrated |
| Protection class: | IP 66 with case |
| Ambient temperature: | -20° to +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(H x W x D): | 67 x 67 x 20 mm |
| | with case: 130 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G 212024 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➜ See accessories for loop modules

**BX-I2**                                                 **20-2100016-01-02**

For indication and monitoring of various types of
acknowledgements, e.g. door contacts, fire zones,
extinguishing systems, sprinkler messages, etc. The
module contains 2 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 to 30 V |
| Power consumption: | typ. 450 µA |
| Signal transmission: | serial, 2 wire technology |
| Function: | 2 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° to +60°C |
| Rel. air humidity: | 5 to 95%, without condensation |
| Dimensions(H x W x D): | 67 x 67 x 20 mm with case: 94 x 94 x 57 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G212023 |

**Note:**
The box GEH MOD IP66 must be ordered separately
➔ See accessories for loop modules

BX-RGW



SPU 6002

**BX-RGW** **(loop interface incl. housing)** **20-2100006-01-04**

**SPU 6002** **(radio interface)** **FG030171**

Communications interface between the fire alarm control panel and the DOW 1171 and SMF 6120 radio controlled smoke detectors. Up to 30 radio controlled smoke detectors can be connected to one gateway. If the radio connection between the detector and the gateway is briefly interrupted, then a diversion via the neighboring detector will be automatically established to the next gateway. Both the addressing of the module and the setting of its parameters are carried out via the fire alarm control panel. The radio gateway is supplied via the loop. The additional 9 V battery guarantees the operation during commissioning or when the detector bus is dead. In normal operating condition the battery is switched off which leads to a service life of well over 5 years.

The radio interface board SPU 6002 plugs into the BX-RGW. Please order both assemblies for completing a radio base unit.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 30 V |
| Power consumption: | typ. 950 µA |
| Wireless module interface: | 20 pin 2 rowed multipoint connector |
| Buffer battery: | 9V Lithium/ Manganese (lifespan>5 years) |
| Frequency range: | 868 to 870 MHz |
| Transmission strength: | max. 5 mW |
| No. of connectible detectors: | max. 30 |
| Range in buildings: | up to 40 metre where there is intervisibility |
| Aerial: | integrated, separate transmitter and receiver aerials |
| Protection class: | IP 54 with case |
| Ambient temperature: | -10° to +55°C |
| Rel. air humidity: | 5 to 95% without condensation |
| Dimensions(H x W x D): | 93 x 70 x 24 mm with case: 120 x 80 x 24 mm |
| Case: | Polystyrol, halogen-free |
| Colour: | grey RAL 7035 |
| VdS-Approval: | G212117 |

**Accessories:**

| Description | Type | Art. No. |
|---|---|---|
| Battery for Radio Transmitter | BATT FM | FG030173 |

## Magnetic Door holder with Door magnet support AFS 55

**BX-MDH**          (delivered without Battery)          **20-2100050-01-01**

The BX-MDH is an electronically triggered magnetic door holder for connection to the SecuriLine eXtended. It has a permanent magnet which fixes the fire protection doors in the open state in normal operation without requiring electrical energy.
If there is a fire alarm or a fault, a brief current pulse neutralises the magnetic field and the fire protection doors close.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12–30 V DC |
| Operating current Quiescent (max.): | 550 µA |
| Power consumption: | 2,1 W |
| Fault: Door is open | 340 µA |
| Door is closed | 120 µA |
| Magnetic holding area: | Ø 48 mm |
| Max. Holding strength: | 200 N |
| Buffer battery: Lithium (lifespan > 5 years) | 9 V |
| Protection class: | IP 42 |
| Ambient temperature: | -20°C to +60°C |
| Dimensions(H x W x D) : | 85 x 142 x 40 mm |
| Colour: | grey RAL 7035 |
| Weight: | 0,6 Kg |
| VdS-Approval: | not available |

**Accessories:**

| Description | Type | Art. No. |
|---|---|---|
| Door magnet support BX-MDH | ASS 55 | 6500023 |
| Adjustable door magnet support for BX-MDH | AFS 55 | 6500102 |
| Lithium Battery 9V | Battery U9 VL-J | 2320044 |

## Multiple Detector I/F

**BX-MDI8**                                                  **20-2100017-01-03**

The   has 8 monitored inputs for connecting detection zones or for polling potential-free contacts.
The module requires a redundant, external power supply for operation
Addressing and parameter assignment for the   is performed with PC software via the fire alarm control panel.
The module includes a short-circuit isolator. In the event of wire breakage or a short-circuit, this functionality ensures that the fault is localized and at the same time maintains the full operability of the addressable loop.

*Technical data*

| | |
|---|---|
| Operating voltage:: | 12 to 30 V-DC |
| Power consumption: | 6 mA |
| Signal transmission: | |
| | Serial data transmission, 2-line technology |
| Connection: | Screw terminals max. 1.5 mm2 |
| Protection type: | 66 IP with map case |
| Ambient temperature: | -20 °C to +60 °C |
| Humidity ambient condition: | |
| | 5 to 95 %, without condensation |
| Dimensions (H x W x D): | 80 x 151 x 20mm |
| | with case: 94 x 180 x 57mm |
| Weight: | 125g |
| VdS-Approval: | in process |

**Note:**
The box GEH MOD3 IP66 must be ordered separately
➔ See accessories for loop modules

## Loop I/F for ASD 535
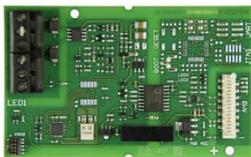
**XLM 35**                    SecuriLine eXtended              **11-2200003-01-01**

With the installation of an XLM 35, the ASD aspirating smoke detector can be ideally connected via the addressable loop to the SecuriFire fire alarm systems. The normative alarm transmission to the superordinate FACP is then accomplished via the XLM 35. The board comes with mounting brackets, screws and ribbon cable.

*Technical data*

| | |
|---|---|
| Operating voltage from AMB: | 5 VDC |
| Maximum power consumption: | 20 mA |
| Dimensions (H x W x D): | 95 x 58 x 17mm |
| Weight: | 56 g |

## 5.1. Accessoires for Loop Modules

| Accessoires for SecuriLine Modules | | |
| --- | --- | --- |
| **Description** | **Type** | **Art. Nr.** |
| Box for MDI8 | GEH MOD3 IP66 | 20-4000550-01-01 |
| Box for REL4, O2I4 | GEH MOD2 IP66 | FG020235 |
| Box for Line Modules (except REL4, O2I4) | GEH MOD IP66 | FG020234 |
| Stepped nipple M20 | MM SN M20 | MM000181 |
| 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 |

# 6. Addressable Detectors SecuriStar

## 6.1. SecuriStar SecuriLine eXtended

Carbon Monoxide Multicriteria Detector

**CCD 573X**                                    **30-5000006-02-02**

**CCD 573X MC**        (coloured to RAL)        **30-5000006-92-02**

The temperature- and CO-supported smoke sensor provides early detection of smouldering, glowing and open fires with smoke development.

- Combined smoke, heat and carbon monoxide (CO) detector according EN 54-5/7/26/29/30
- Optimal sensitivity
- False-alarm security through temperature and carbon monoxide-supported smoke alarm evaluation
- (2 different Cubus Adaptations)
- Technical CO alarm according EN 50291-1
- Adjustable technical CO pre-signal

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls

*Technical data*

| | |
|---|---|
| Operating voltage: | 7 to 31 V DC |
| Current consumption quiescent: | 150 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 5V/ 1mA |
| Ambient temperature: | −25 °C to +50 °C |
| Protection class: | IP 44 |
| Colour: | white |
| Weight: | 125 g |
| Dimensions with base Ø x H: | 118.8 x 67.5 mm |
| VdS-Approval: | G 212183 |

## Multiple sensor detector, smoke and heat

| | |
|---|---|
| **MCD 573X** | **30-5000003-02-02** |
| **MCD 573X CP** (coated print, for temporarily humid areas) | **30-5000003-52-03** |
| **MCD 573X MC** (coloured to RAL) | **30-5000003-92-02** |

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-leveling
- 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 MCD 573

**Messages**
- separate alarm signalisation for smoke and heat
- 2 pre-warning levels 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
- programmable control output
- heat class and index

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls"

*Technical data*

| | |
|---|---|
| Operating voltage: | 7 to 31 V DC |
| Current consumption quiescent: | 150 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 5V/ 1mA |
| Ambient temperature: | −25 °C to +60 °C |
| Protection class: | IP 44 |
| Colour: | white |
| Weight: | 125 g |
| Dimensions with base Ø x H: | 118.8 x 67.5mm |
| VdS-Approval: | G210152 |

# SECURITON

**MCD 573X-S**                                              **30-5000003-02-01**

**MCD 573X-S MC**    (coloured to RAL)                       **30-5000003-52-01**

Multiple sensor detector acoustic
For early detection of smouldering and open fires with and
without smoke development. Single addressable
- Multiple standard use on two parallel channels
  (smoke/heat) according to EN 54-5, -7 and EN 54-29
- Cubus levelling for automatique adaptation to the
  environment conditions
- Signature alarm for smoke and heat
- Smoke pre-signal
- Alarm threshold tracing
- Selection of heat classes according to EN 54-5; Class
  A1, A2, B inclusive index R and S for all 3 heat classes
- Acustic according EN 54-3, Tonality adjustable in three
  variable volumes

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 31 V DC |
| Current consumption quiescent: | 150 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 5V/ 1mA |
| Sounder volume: | 92/81/69 dB(A) |
| Ambient temperature: | −25 °C to +60 °C |
| Colour: | white |
| Weight: | 133 g |
| Dimensions with base Ø x H: | 118.8 x 67.5mm |
| VdS-Approval: | G213053 |

Multiple sensor detector, smoke and heat, with integrated sounder for voice

| **MCD 573X-SP** | **30-5000010-02-01** |
| **MCD 573X-SP MC**  (coloured to RAL) | **30-5000010-92-01** |

Multiple sensor detector speech
For early detection of smouldering and open fires with and without smoke development. Single addressable
- Multiple standard use on two parallel channels (smoke/heat) according to EN 54-5, -7 and EN 54-29
- Cubus levelling for automatique adaptations to the environment conditions
- Signature alarm for smoke and heat
- Smoke pre-signal
- Alarm threshold tracing
- Selection of heat classes according to EN 54-5; Class A1, A2, B inclusive index R and S for all 3 heat classes
- Acustic according EN 54-3, Tonality adjustable in three variable volumes
- Three different vocal and text messages in four languages

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls

| Technical data | |
| --- | --- |
| Operating voltage: | 12 to 31 V DC |
| Current consumption quiescent: | 150 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 5V/ 1mA |
| Sounder volume: | 92/81/69 dB(A) |
| Ambient temperature: | −25 °C to +60 °C |
| Colour: | white |
| Weight: | 133 g |
| Dimensions with base Ø x H: | 118.8 x 67.5mm |
| VdS-Approval: | G213053 |

# 6.2. SecuriStar SecuriLine Standard / Not Extended

**SCD 573**                                                    **5000610-0111**

Smoke Criteria Detector equivalent to MCD 573 but factory set to "smoke only". Intended for replacing SSD531 and MSD533 in existing installations. For new installations, the MCD573 shall used and field programmed after installation.
- 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

*Technical data*

| | |
|---|---|
| Operating voltage: | 16 to 30 V DC |
| Current consumption quiescent: | 460 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 6,8 V/5 mA |
| Ambient temperature: | −25 °C to +60 °C |
| Protection class: | IP 44 |
| Colour: | white |
| Weight: | 125 g |
| Dimensions with base Ø x H: | 118 x 67.5mm |
| VdS-Approval: | G208196 |

## Temperature Criteria 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** |

Temperature Criteria Detector equivalent to MCD 573 but factory set to "heat only" and to a specific heat class. Intended for replacing UTD531 in existing installations. For new installations, the MCD573 shall used and field *programmed* after installation.

- addressable
- false alarm resistant alarm evaluation
- fixed threshold and rate-of-rise capabilities

*Technical data*

| | |
|---|---|
| Operating voltage: | 16 to 30 V DC |
| Current consumption quiescent: | 430 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 6,8 V/5 mA |
| Ambient temperature: | -25 ... +60 °C |
| Protection class: | IP 44 |
| Colour: | white |
| Weight: | 135g |
| Dimensions with base Ø x H: | 118 x 67,5 mm |
| VdS-Approval: | G208197 |

# 7. Conventional Detectors SecuriStar

**SCD 563**                                                                 **5000611-0111**

**SCD 563 MC**            (coloured to RAL)                                   **5000611-0191**

Smoke Criteria Detector
- conventional
- automatic smoke alarm sensitivity through CUBUS-levelling
- self monitoring of all detector parts
- false alarm resistant alarm evaluation
- constant sensitivity through dust compensation

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls"

*Technical data*

| | |
|---|---|
| Operating voltage: | 18 to 30 V DC |
| Current consumption quiescent: | 120 µA |
| Current consumption: | 22.5 mA |
| Alarm indicator: | LED red |
| External indication: | 6,8 V/5 mA |
| Ambient temperature: | -25 ... +60 °C |
| Protection class: | IP 44 |
| Colour: | white |
| Weight: | 135g |
| Dimensions with base Ø x H: | 118.8 x 67.5 mm |
| VdS-Approval: | G 208198 |

## Temperature Criteria Detector

| | | |
|---|---|---|
| **TCD 563-1** | Heat Class A1 | **5100165-0111** |
| **TCD 563-2** | Heat Class A2 | **5100165-0112** |
| **TCD 563-3** | Heat Class B | **5100165-0113** |

Temperature Criteria Detector, preset to level and/or rate-of-rise according to Class A1, A2 or B.

- conventional
- highly resistant to false alarm
- fixed threshold and / or rate-of-rise capabilities
- 100% backwards compatible to the UTD521 and UTD523

*Technical data*

| | |
|---|---|
| Operating voltage: | 18 to 30 V DC |
| Current consumption quiescent: | 120 µA |
| Current consumption: | 20 mA |
| Alarm indicator: | LED red |
| External indication: | 6,8 V/5 mA |
| Ambient temperature: | -25 ... +70 °C |
| Protection class: | IP 44 |
| Colour: | white |
| Weight: | 125g |
| Dimensions with base Ø x H: | 118 x 67,5 mm |
| VdS-Approval: | G208199 |

# 8. Flame Detectors

## 8.1. Conventional

**Flame detector  triple sensor, w/o base**

FDF 241-9

**FDF 241-9**                                                  **30-6400005-01-01**

Flame detector with 3 infrared sensors and specially developed algorithms for demanding applications. Without base.

- 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*

| | |
|---|---|
| Operating voltage: | 14 to 28 VDC |
| Current consumption quiescent: | 500 µA |
| Detection angle: | 90° |
| Detection distance: | 27 m with 0° viewing angle (standard) 46 m with 0° viewing angle (increased) |
| Protection class: | IP 67 |
| Operating temperature: | -35° to +70°C |
| Rel. air humidity: | 95% (without condensation) |
| Case: | aluminum |
| Colour: | white |
| Dimensions (W x H x D) : | 135 x 135 x 77 mm |
| Weight with base: | 750g |
| VdS-Approval: | G299085 |

**Note:** The base FDFB 291 must be ordered separately
➔ See accessories for flame detectors

## Flame detector DF 1101 Ex, triple sensor, w/o base

DF 1101Ex

**DF 1101Ex**                                                              **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). 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
- Max. 3 detectors per GTW-line allowed

*Technical data*

| | |
|---|---|
| Operating voltage: | 16 to 28 VDC |
| Current consumption quiescent: | 500 µA |
| Detection angle: | 90° |
| Protection class: | IP 67 |
| Operating temperature: | -25° to +70°C |
| Rel. air humidity: | 95% (without condensation) |
| Colour: | white |
| Dimensions (W x H x D) : | 135 x 135 x 77 mm |
| Standard for explosion-hazard areas: | EEx ib IIC T4 |
| Approval: | PTB 02 ATEX 2161 |
| VdS-Approval: | G299085 |
| CPD-Certificate: | 0786-CPD-20497 |

**Note:** The base DFB 1190 must be ordered separately
➔ See accessories for flame detectors

## 8.2. Accessories for Flame Detectors

| Detector base for FDF Series | | |
| --- | --- | --- |
| | **FDFB 291**<br><br>Base for FDF Series<br>For indoor application, surface mounting<br>for outdoor application, a rain hood is available | **30-6800049-01-01** |

| Detector base for DF Series | | |
| --- | --- | --- |
| | **DFB 1190**<br><br>Base for DF 1101 Ex<br>For indoor application, surface mounting<br>for outdoor application, a rain hood is available | **6800078** |

| Rain Hood | | |
| --- | --- | --- |
| | **RH 1190**<br><br>Rain hood for the infrared flame detectors for outdoor application for FDF Series and 1101 Ex.<br>Dimension (W x H x D)  150 x 165 x 130 mm | **6800079** |

| Mounting bracket | | |
| --- | --- | --- |
| | **MB 1190**<br><br>This mounting bracket is used to fix the flame detector at the correct angle for FDF Series and 1101 Ex. | **6800080** |

| Ball and socket joint | | |
| --- | --- | --- |
| | **SJ 1190**<br><br>The ball and socket joint is used to line up the flame detector with the object to be monitored for FDF Series and 1101 Ex. | **6800081** |

| Test lamp for DF flame detectors (also for explosion hazard areas) | | |
| --- | --- | --- |
| | **Stabex HF**<br><br>For testing of the flame detector series DF.<br>Suitable also in explosion hazard areas. | **6900442** |

# 9. Ventilation Duct Detector

## 9.1. Addressable Ventilation Duct Detectors SecuriLine eXtended

| Air duct detector base set, without detector | |
|---|---|

**LKM-Set**　　　　　　　　　　　　　　　　　　　30-5500005-01-01

Housing with transparent cover. For mounting ventilation duct detectors :LKM593X, LKM140, LKM150, and LKM583 on round or rectangular ventilation ducts. Including inlet and outlet pipe.
Airflow up to maximum 20 m/s.

*Technical data*

| | |
|---|---|
| Protection class: | IP 54 |
| External dimensions (without pipes): | 247 x 135 x 95 mm |
| Ventilation duct diameter (○ ): | 20 to 100 cm |
| Ventilation duct side length ( □ ): | 15 to 100 cm |
| Air flow speed: | 1 to 20 m/s |
| Weight: | 485 g |

## 9.2. Accessories for Ventilation Duct Detector

| Duct Smoke detector SecuriLine eXtended | |
|---|---|

**LKM 593X**　　　　　　　　　　　　　　　　　　30-5500001-01-01

For early detection of smouldering and open fires with smoke development. For mounting in the LKM-Set, for ventilation ducts. Individually addressable and backwards compatible to SSD 531K.
- Signature alarm for smoke
- Smoke pre-signal
- Alarm threshold trackin

*Technical data*

| | |
|---|---|
| Operating voltage: | 7 to 31 V DC |
| Current consumption quiescent: | max. 150 µA |
| Operating temperature: | −15° C – +60° C |
| Colour: | white RAL9003 |
| Material: | PC /ABS |
| Weight: | 125 g |

# SECURITON

# 10. Conventional Ex/Atex approved Detectors

## Multicriteria Detector, Ex-proof, ATEX100a

**MMD 130 Ex-i**                                                                         **30-5000005-01-01**

An intrinsically safe smoke detector for use in hazardous areas of zone 1 and zone 2 and certified to classification II 2 G Ex ib IIC T4. The MMD 130 Ex-i works in accordance with the scattered light principle and detects smouldering, glowing and open fires with smoke development at an early stage.

*Technical data*

| | |
|---|---|
| Operating voltage: | 10 to 28 V DC |
| Current consumption quiescent: | max. 150 µA |
| Protection class: | IP 54 |
| Operating temperature: | −20° C – +70° C |
| Dimensions with base Ø x H: | 118.8 x 58.1 mm |
| Standard for explosion-hazard areas: | II 2 G Ex ib IIC T4 |
| Ex Approval: | EPS 11 ATEX 1 346 X |
| VdS-Approval: | G 211094 |

# 10.1. Accessories for Ex/Atex approved Detectors

## DC isolating converter used for "Ex-i" detectors/ 1 channel, ATEX100a

**GTW 01**                                                                  **5700080**

Barrier between safe area and hazardous area for the
connection of <u>one</u> conventional detector line.
- Max 10 conventional detectors per line
- For DF 1101 Ex, 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 VDC / max. 21.5VDC |
| 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 |

## DC isolating converter used for "Ex-i" detectors/ 2 channel, ATEX100a

**GTW 02**                                                                  **5700081**

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

## Ex-i end of line resistor 2k7 for modules MTI 8 / IM 8 or B4 EIO

**EOL Ex 2k7**                                                              **4301189**

For the termination of the alarm unit's line in connection
with the SecuriLine board IM8 or EIO

## Ex-i end of line resistor 19k1 for module AIM

**EOL Ex 19k1**                                                             **4301190**

For the termination of the alarm unit's line in connection
with the SecuriLine eXtended module BX-AIM

# SECURITON

**EXBAR 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. The device is ATEX 100a approved.

*Technical data*

| | |
|---|---|
| Rated operational voltage: | max. 28 V |
| End-to-end resistance: | 285 Ώ, max. 340 |
| 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 |

**EXBAR Z787F**                                                                                  **FG020430**

Identical to the Z787 safety barrier, but with replaceable fuse. The barrier is intended for use in exposed surroundings, where overvoltage, lightning strikes, voltage changes etc. could damage the ex barrier.

*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 |

**Spare Parts:**

| Description | Type | Art. No. |
|---|---|---|
| G-fuse 50 mA F  5x20 | G SICH Z787F | FG020431 |

**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 (H x W x D): | 200 x 160 x 98 mm |

**Accessories:**

| Description | Type | Art. No. |
|---|---|---|
| Mounting bracket for GEH-EXB | GEH EXBW | FG020433 |
| Earth conductor terminal 10mm2 | TERMINAL 10MM2 | 975052 |

# 11. Modernisation Detectors and Modules for SecuriFire 3000

## Universal Alarm & Control Module

**UAC 150**　　　　　　　　　　　　　　　　　　　　　　**30-5700010-01-02**

The UAC 150 is a Universal Alarm and Control Module of fire detection technology. It is an addressable module which can be used both as a signal receiver for devices with switching contacts (detector) and as a control module for self-powered external devices (actuator).

*Technical data*

| | |
|---|---|
| Operating voltage: | 18 - 30 V DC |
| Current consumption quiescent: | 120 µA @ 30 V |
| Signal transmission: | 2-wire loop addressable |
| Dimensions (W x H x D) : | 60 x 46 x 15 mm |
| Degree of protection: | IP 20 |
| in connection with housing (GEH MOD) | IP 66 |
| Adm. ambient temperature: | -20 … +60 °C |
| VdS-Approval: | G211002 |

### **Spare Parts:**

| Description | Type | Art. No. |
|---|---|---|
| Housing for loop module IP66 | GEH MOD | FG020234-A |

## Multicriteria Modernisation Detector

**MMD 140**　　　　　　　　　　　　　　　　　　　　　　**30-5000001-01-02**

**MMD 140 MC**　　　　　(coloured to RAL)　　　　　　**30-5000001-91-02**

The MMD 140 is an automatic detector for smoke or heat, selectable via DIL-switch. It is individual addressable and operates via the fire detector line technique 140 on the Securiton fire alarm system SecuriFire, SecuriPro and BMZ.

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls

*Technical data*

| | |
|---|---|
| Operating voltage: | 14 to 30 V DC |
| Operating current (normal): | max. 110 µA |
| Ambient temperature: | -25 ... +60 °C |
| Protection class (incl. USB 501): | IP 44 |
| Colour: | white |
| Dimensions with base (Ø x H) : | 118,8 x 67,5 mm |
| VdS-Approval: | G209219 |

Multicriteria Modernisation Detector

| **MMD 150** | | **30-5000002-01-02** |
| --- | --- | --- |
| **MMD 150 MC** | (coloured to RAL) | **30-5000002-91-02** |

The MMD 150 is an automatic detector for smoke or heat, selectable via DIL-switch. It is individual addressable and operates via the fire detector line technique 150 on the Securiton fire alarm system SecuriFire and BMZ.

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls

*Technical data*

| | |
| --- | --- |
| Operating voltage: | 18 to 30 V DC |
| Operating current (normal): | max. 110 µA |
| Ambient temperature: | -25 ... +60 °C |
| Protection class (incl. USB 501): | IP 44 |
| Colour: | white |
| Dimensions with base Ø x H: | 118,8 x 67,5 mm |
| VdS-Approval: | G209219 |

# 12. Bases and Accessories for SecuriStar Detectors

| Detector Bases | (for all SecuriStar Detectors) | |
|---|---|---|

**USB 501-1** (surface mounting) **5000547-0001**

**USB 501-1 MC** (USB 501-1 coloured to RAL) **5000547-0291**

**USB-501-2** (flush mounting) **5000547-0002**

**USB 501-3** (surf. mount., for humid areas) **5000547-0003**

**USB 501-4** (flush mount. In concrete) **5000547-0004**

**USB 501-5** (Socket for mounting on pipes,) **5000547-0005**

**USB 501-6** (surface mounting, w/o loop contact) **5000547-0006**

**USB 501-6 MC** (USB 501-6 coloured to RAL) **5000547-0091**

USB 501-1

USB 501-2

USB 501-3

USB 501-4

USB 501-5
(USB 501-1 with pipe clamp)

USB 501-6

Base for addressable and conventional SecuriStar detectors with integrated 6 wire terminal and detector fixing by means of bayonet coupling.

**Available in different RAL colours**
Please ask for our table
"Overview_RALcolours_deenfresitnl.xls

*Technical data*

| | |
|---|---|
| Ambient temperature: | -25 °C to +70 °C |
| Protection class: | |
| USB 501-1, 2, 4, 5 and 6 | IP 44 |
| USB 501-3 | IP 54 |
| Colour: | white |
| Dimensions (Ø x Height above surface): | |
| USB 501-1 or 6 | 118 x 25 mm |
| USB 501-2 or 4 | 118 x 4.5 mm |
| USB 501-3 | 118 x 50 mm |

**Accessories:**

| Description | Type | Art. No. |
|---|---|---|
| Cover Ring "extra large"<br>- Ø 177 mm<br>- for USB 501-2 or 4.<br>Used when replacing an older detector base with cover ring bigger than the USB standard | Ring 177 | 110470 |
| Cover Ring (extra large)<br>- Ø 177 mm<br>- coloured to RAL<br>- for USB 501-2 or 4 | Ring 158 MC | 3110464 |

## Detector Base, surface mounting (w/o loop cont. switch) with illuminated ring

**USB 502-20**   (surface mounting, white)   **20-2100019-01-01**

Universal base with illuminated ring
For addressable SecuriStar detectors with uniform 6-pin terminal block. Surface mounting, without loop contact. The detector is locked into place with a bayonet catch.
Illuminated ring:
- Fixed flash rate
- Low power consumption
- Can be actuated individually

*Technical data*

| | |
|---|---|
| Colour: | white |
| Dimensions (Ø x H): | 118.5 x 25 mm |
| Protection class: | IP 44 |
| VdS-Approval: | G 210152 |

## Ex-mounting socket for surface mounting of MMD 130 EX-i

**USB 501-7 Ex-i**   (surface mounting, white)   **5000547-0007**

Along with the MMD 130 Ex-i optical- and heat detectors, the  is suitable for use in Ex zones 1 and 2.
It has no loop contact.

*Technical data*

| | |
|---|---|
| Colour: | white |
| Dimensions (Ø x H): | 117 x 52.5 mm |
| Protection class: | IP 44 |
| VdS-Approval: | G 211094 |

# SECURITON

## Protection basket

**SRS 01**     (for all SecuriStar detector series and ORM130)                    **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 |
| Dimensions (ØxH): | 148 x 90mm |

## Protection basket, large

**SRS 02**     (for detectors on IP67 base or SBL 501)                    **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 |
| Dimensions (ØxH): | 148 x 122mm |

## Detector mounting console

**MMK200/350**     (for USB501, w/o socket and detector)                    **FG020520**

For horizontal installation of detectors on steep roofs or
ceilings. Vertically adjustable in a range of 0 to 90° and
expandable from 200 to 350 mm. It is ideally suited for the
detector base USB 501-xx, which is mounted by means of
two size M4 screws.

*Technical data*

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

## Detector numbering plate

**DNP 521/ 531**     (label max. 45x75mm or P Touch label)                    **3110320**

Detector numbering plate for SecuriStar detectors

## Optional reserve terminal block for cross-connections

**USB Term**                    **2510802**

Optional terminal block for cross-connections for
SecuriStar detector base USB 501-xx

## Terminal Block for Detector Base, without loop cont. switch

**STE 01-BK PU10**                    **30-4100002-01-01**

No loop switch for SecuriStar detector base USB 501-xx
(10 pcs.)

## Rubber cap for base USB 501-1

**GKAPPE 501**                    **FG020189**

Transparent rubber cap to protect the base against
moisture. Fits to USB501-1 or USB 501-6 only..

## Fitting set USB

**MONT SET GK**　　　　　　　　　　　　　　　　　　**MM000250**

Kit for suspended mounting of the detector base USB 501-xx by means of spacer bolts. Provides for a better adoption to the environment temperature and reduces the probability of condensation.

## Detector heating for MCD 573 CP
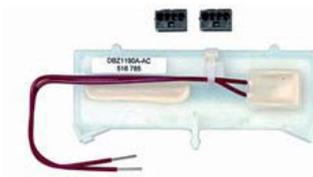
**DBZ 1190A-AC**　　　　　　　　　　　　　　　　　　**FG020480**

**MM KBH KL**　　　　　　　　　　　　　　　　　　　**MM000047**

Detector heating for USB501-xx. Needs cable binders and the respective holder (MM KBH KL). For detector MCD 573X CP only.

## Detector dust cover for MCD, SCD or TCD

**DDC 533**　　　　　　　　　　　　　　　　　　　　**2870513**

Detector Dust Cap for protection against dust during construction work. For SecuriStar detectors series 523/533, 563/573. (1000 pcs)

*Technical data*

| | |
|---|---|
| Colour: | orange |
| Delivery unit: | 1 piece |

# 13. Room Indication Lamps

| Room Indication Lamp | | | |
|---|---|---|---|

RAL 720 /RAL 720X

RAL 721

RAL 722

RAL 723

RAL 728 Ex

| | | | |
|---|---|---|---|
| **RAL 720X** | (IP 42) | | **246336** |
| **RAL 721** | (IP 65) | | **210056** |
| **RAL 722** | (IP 42) | | **210064** |
| **RAL 723** | (IP 40) | | **246565** |
| **RAL 728 Ex** | (IP 66) | | **249696** |
| **RAL RHE** | | | **201820** |

Alarm indication of fire detectors which are not directly visible e.g. behind doors or which are mounted in a hidden place e.g. false ceiling.
Activation from detector output or via appropriate output module.

*Technical data*

| | |
|---|---|
| Ambient temperature: | - 20°C to + 60°C |
| Protection class: RAL 720X | IP 42 |
| RAL 721 | IP 65 |
| RAL 722 | IP 42 |
| RAL 723 | IP 40 |
| RAL 728 Ex | IP 66 |
| Colour: | white |
| Dimensions (D x H): RAL 720X | 85 x 85 x 30 mm |
| RAL 721 | 53 x 70 x 53 mm |
| RAL 722 | 20 x 68 mm |
| RAL 723 | 48,5 x 20 x 16 mm |
| RAL 728 Ex | 80 x 93 x 92 mm |

**Accessories:**

| Description | Type | Art. No. |
|---|---|---|
| Cover plate for RAL 722 | RAL 718/722 | 192198 |
| Raised floor console for RAL 722 | HKS 718 | 144223 |
| Perspex cover PRH 718 | PRH 718 | 144231 |

# 14. Manual Call Points

## 14.1. Addressable Manual call points SecuriLine eXtended

| Manual Call Point | IP 24 / IP 67 | | |
|---|---|---|---|
|  | **MCP 545X-1 N** | (surface mounting) | **248800** |
| | **MCP 545X-2 N** | (flush mounting) | **248355** |
| | **MCP 545X-4 N** | (IP 67) | **248363** |
| | **MCP 545X-1AN** | (surface mounting, Ajax glass) | **244252** |
| | **MCP 545X-1SN** | ( surface mounting, with Swedish labeling) | **248805** |

The manual call point MCP 545X N is a non automatic detector for fire alarm systems for direct connection to the SecuriLine / eXtended. An alarm is triggered directly when the glass panel is broken. The alarm persists until the glass panel is replaced with a new one.
Alarm triggering is indicated by means of a red LED.
For test purposes, an alarm can be triggered by means of a test key without breaking the glass panel.
To increase the security with respect to false alarms, the MCP 545X N can additionally be provided with a sealable hinged cover.

*Technical data*

| | |
|---|---|
| Operating voltage: | 7-31 V DC |
| Current consumption quiescent: | 120 µA |
| Operating temperature: | - 10 to +55°C |
| Protection class: MCP 545X-1 N, MCP 545X-1 AN and MCP 545X-2 N | IP 24 |
| MCP 545X-4 N | IP 67 |
| Colour: | red, RAL 3001 |
| Dimensions (W x H x D) : MCP 545X-1 N, MCP 545X-1 AN | 89 x 93 x 61.5 mm |
| MCP 545X-2 N | 89 x 93 x 33.5 mm |
| MCP 545X-4 N | 97.5 x 93 x 73 mm |
| VdS-Approval: | G 210094 |

| Manual Call Point | IP 52 / IP 54 |
|---|---|

| **MCP 535X-1** | (red) | **30-5700007-01-02** |
|---|---|---|
| **MCP 535X-3** | (blue) | **30-5700007-03-02** |
| **MCP 535X-5** | (yellow) | **30-5700007-05-02** |
| **MCP 535X-7** | (Stop button, blue) | **30-5700007-07-02** |
| **MCP 535X-15** | (green) | **30-5700007-15-01** |

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

*Technical data*

| | |
|---|---|
| Operating: | 7-31 V DC |
| Current consumption quiescent: | 120 µA |
| Operating temperature: | - 20 to +50°C |
| Protection class:<br>MCP 535X-1, MCP 535X-3, MCP 535X-5 und<br>MCP 535X-15<br>MCP 535X-7 | <br><br>IP 52<br>IP 54 |
| Dimensions (W x H x D) : | 134 x 134 x 36 mm |
| VdS-Approval:<br>MCP 535X-1<br>MCP 535X-5<br>MCP 535X-3, MCP 535X-7 | <br>G210095<br>G210096<br>G210097 |

## 14.2.  Conventional Manual Call Points

| Manual Call Point | IP 24 / IP 67 | | |
|---|---|---|---|
| | **MCP 521-1 N** | (red, surface mounting) | **238023** |
| | **MCP 521-2 N** | (red, flush mounting) | **238031** |
| | **MCP 521-4 N** | (IP67) | **238040** |
| | **ECP 521-1EN** | (yellow, surface mounting) | **238058** |
| | **MCP 521 N Ex-i** | | **238074** |
| | **MCP 521-4 N Ex-i** | | **238082** |

The manual call point MCP 521 N is a non-automatic detector for fire alarm systems with current amplification line evaluation. An alarm is triggered directly by breaking the glass panel.

*Technical data*

| | |
|---|---|
| Operating voltage: | 30 V-DC |
| Protection class: | |
| MCP 521-1 N und MCP 521-2 N | IP 24 |
| MCP 521-4 N | IP 67 |
| Ambient temperature: | -10° to +55°C |
| Dimensions (W x H x D) : | |
| MCP 521-1 N | 89 x 93 x 61.5 mm |
| MCP 521-2 N | 89 x 93 x 33.5 mm |
| MCP 521-4 N | 97.5 x 93 x 71 mm |
| Material: | plastic, glass fibre-reinforced |
| CPD-Certificate: | |
| MCP 521-1 N and MCP 521-2 N | 0832-CPD-0648 |
| MCP 521-4 N | 0832-CPD-0659 |

| **MCP 525-7** | (Manual Call Points red, IP52) | **6200149-0007** |
|---|---|---|
| **MCP 525-9** | (Manual Call Points blue, IP52) | **6200149-0009** |
| **MCP 525-11** | (Manual Call Points yellow, IP52) | **6200149-0011** |
| **MCP 525-14** | (Stop button blue, IP 54) | **6200149-0014** |
| **MCP 525-15** | (Flooding green, IP52) | **30-5700014-01-01** |

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

*Technical data*

| | |
|---|---|
| Operating voltage: | 19.6 to 30 V DC |
| Operating current (normal): | 0 mA |
| Ambient temperature: | -20 °C to +50 °C |
| Dimensions (H x W x D): | 135 x 135 x 37 mm |
| VdS-Approval: | |
| MCP 525-7 | G 207007 |
| MCP 525-11 | G 208106 |
| MCP 525-14 / MCP 525-15 | G 208107 |

## 14.3. Accessories for MCP

| Spare glass for manual call point, (MCP/ECP/FTN/FTX) | |
|---|---|
| **CPG 845** | **225797** |
| Spare glass for MCP.<br>MCP 545, MCP521, ECP521<br>Delivery unit 1 pcs. | |

| Spare glass for MCP 525-7, -14, MCP 535-7, -14, MCP 140 / 150 | |
|---|---|
| **GLASS MCP** | **6200289** |
| Spare glass for MCP VdS types.<br>MCP 525-7,-14, MCP 535-7,-14 | |

| Sealing Set for MCP 525, 535 and MCP 140/150 to be IP54 | |
|---|---|
| **SEALING MCP IP54** | **30-4100001-01-01** |
| Sealing red for MCP 525 and 535 to be IP54 | |

| Key for MCP 520-1, 530-1 and 535 X | |
|---|---|
| **KEY MCP 5xx** | **6200147** |
| Key to open the MCP.<br>MCP 525, MCP 535 | |

| Label "Securiton" for MCP 525/535 | |
|---|---|
| **Label MCP525/535** | **3740835-0101** |
| Inlay label for the MCP 525/535, with Logo Securiton. | |

| Breakable Seal for Manual Call Points | |
|---|---|
| **CPS 845N** | **238198** |
| Seal for locking the MCP series 521N and 545N.<br>MCP 545-xN,MCP521-1N,ECP521-1EN<br>Delivery unit 1 pcs. | |

| Flap, transparent, for Manual Call Point series 521 and 545 | |
|---|---|
| **THC 845N** | **238104** |
| Flap transparent, for MCP series 521N and 545N | |

| Base for MCP, surface mounting, red for MCP 521 / 545 | |
|---|---|
| **Z FT 513** | **173061** |
| Mounting box for surface mounting, red for MCP521 and<br>545 series | |

| Base (plate) for MCP, flush mounting, red for MCP 521 / 545 | |
|---|---|
| **FT513 uP** | **193801** |
| Fastener plate for flush mounting, red for MCP521 and 545<br>series | |

**SECURITON**

| Test key for Manual Call Point 521 / 545 |
|---|

**Z MCP**                                                                    **214337**

Test key to test MCP 521/ 545 without braking the glass.

| Alarm resistor 680Ω for MCP 521N Ex-i and MCP 521-4 N Ex-i |
|---|

**WID 680**                                                                  **26514**

Alarm resistor 680Ω for MCP 521N Ex-i and MCP 521-4 N
Ex-i

# 15. Special Detectors

**Water sensor 12/24 VDC**

### WS 61 A                                                            133981

The water detector WS 61 is sensitive to smallest amounts of water. Two sensors just above the floor activate a potential free change-over contact as soon as they get in contact with water and will thus release an alarm.
- Detects not only water but also other conductive liquids
- Completely waterproof housing
- Low current consumption
- Suitable for remote testing

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 24 V DC |
| Operating current (normal): | 10 mA |
| Ambient temperature: | -20 °C to +60 °C |
| Protection class: | IP 65 |
| Dimensions (H x W x D) : | 48 x 112 x 25 mm |

**Heat detector Industat**

### WMI 51                                                            121657

The WMI 51 can be installed where an installation of normal fire detectors is impossible due to environmental Influences such as rooms with high ambient temperatures, humid rooms, etc. The WMI51 can be connected to any input module.

*Technical data*

| | |
|---|---|
| Operating voltage: | 10 to 220 V DC |
| Operating current (normal): | 0 mA |
| Ambient temperature: | -20 °C to +90 °C |
| Protection class: | IP 65 |
| Dimensions (H x W x D) : | 100 x 100 x 280 mm |

# 16. Alarm Indication Modules

## 16.1. Acoustical Alarm Medium

| Loop Siren | IP 21 |
|---|---|

**BX-SOL-R**     (red)      **20-2100008-01-08**

**BX-SOL-W**     (white)      **20-2100008-02-08**

Loop powered and controlled sounder for SecuriLine eXtended.
- 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: | 12 to 30 V DC |
| Operating current: | 2.3 mA / 4.7 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 |
| VdS-Approval: | G210086 |

| Siren | 24V |
|---|---|

**BSE 128 red**     (surface mounting, IP54)      **6300138-0204**

**BSE 128 white**     (surface mounting, IP54)      **6300138-0203**

**BSE 128 red**     (surface mounting, IP65)      **6300138-0202**

**BSE 128 white**     (surface mounting, IP65)      **6300138-0201**

**BSE 128 UP**     (flush mounting, only available in white)      **6300177**

BSE 128
(surface mounting)

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

BSE 128
(flush mounting)

*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 or IP65 |
| Dimensions: | 101 x 81 mm |
| Regulation compliance: | EN 54-3 |

## Sounder Base USB 501 on the Loop

**BX-SBL 501-W**   (white)                          20-2100011-02-08

**BX-SBL 501-WDB**   (deep base, white)             20-2100011-01-08

BX-SBL 501

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. Connects directly to SecuriLine eXtended 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

BX-SBL 501

*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): | 117 x 41 mm |
| Version DB: | 117 x 45 mm |
| Material: | PC/ABS |
| Colour: | white RAL 9003 |

## Loop ceiling siren

**BX-SBL 502-W**   (white)                          20-2100012-04-08

**BX-SBL 502-WDB**   (deep base, white)            20-2100012-02-08

**BX-SBL 502-RDB**   (deep base, red)              20-2100012-01-08

Acoustic alarm unit, to be mounted directly on the ceiling or on the wall. Connects directly to SecuriLine eXtended 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 (Ø x H): | 114 x 32 mm |
| Version DB: | 114 x 36 mm |
| Material: | PC/ABS |
| VdS-Approval | G 211029 |

# 16.2. Optical Alarm Medium

**Beacon wall mounted**

| | | |
|---|---|---|
| **BW ESDA1000RRS** | (lens red, socket red, small) | **30-6300007-01-01** |
| **BW ESDA1000RRD** | (lens red, socket red, deep IP65) | **30-6300007-02-01** |
| **BW ESBA4000WWS** | (lens clear, socket white, small) | **30-6300007-03-01** |
| **BW ESBA4000WWD** | (lens clear, socket white, deep IP65) | **30-6300007-04-01** |

The beacon visually signals an alarm according EN54-23. Two flash sequences can be set. The housing is made of plastic. The Beacons can be connected to SecuriFire via B3/B5-OM8, B4/B6-EIO, and BX-IOM.

*Technical data*

| | |
|---|---|
| Operating voltage: | 17 to 60V DC |
| Power consumption typically 24 V: | |
| @ 0,5 Hz | 20 mA |
| @ 1 Hz | 40mA |
| Switch on current: | 720 mA for 3,6 µs |
| Flashing frequency: | 0,5 or 1 Hz |
| Ambient temperature: | -25 °C to +70°C |
| Protection class: | |
| Flat base | IP21C |
| Deep base | IP65 |
| Dimensions (Ø x H): | |
| Flat base | 100 x 100 mm |
| Deep base | 100 x 122 mm |
| Weight: | |
| Flat base | 170 g |
| Deep base | 220 g |
| VdS-Approval: | ESDA G214107 |
| | ESBA G214105 |

## Beacon ceiling mounted

| | | |
|---|---|---|
| **BC ESDA2000RRS** | (lens red, socket red, small) | **30-6300008-01-01** |
| **BC ESDA2000RRD** | (lens red, socket red , deep IP65) | **30-6300008-02-01** |
| **BC ESBA3000WWS** | (lens clear, socket white, small) | **30-6300008-03-01** |
| **BC ESBA3000WWD** | (lens clear, socket white, deep IP65) | **30-6300008-04-01** |

The beacon visually signals an alarm according EN54-23. Two flash sequences can be set. The housing is made of plastic. The Beacons can be connected to SecuriFire via B3/B5-OM8, B4/B6-EIO, and BX-IOM.

*Technical data*

| | |
|---|---|
| Operating voltage: | 17 to 60V DC |
| Power consumption typically 24 V: | |
| @ 0,5 Hz | 20 mA |
| @ 1 Hz | 40mA |
| Switch on current: | 650 mA for 3,6 µs |
| Flashing frequency: | 0,5 or 1 Hz |
| Ambient temperature: | -25 °C to +70°C |
| Protection class: | |
| Flat base | IP21C |
| Deep base | IP65 |
| Dimensions (Ø x H): | |
| Flat base | 100 x 94 mm |
| Deep base | 100 x 117 mm |
| Weight: | |
| Flat base | 170 g |
| Deep base | 220 g |
| VdS-Approval: | ESDA G214107 |
| | ESBA G214105 |

## Loop flashlight

| | | |
|---|---|---|
| **BX-FOL-RR** | (red base, red) | **20-2100009-01-06** |
| **BX-FOL-WR** | (white base, white) | **20-2100009-02-06** |
| **BX-FOL-RO** | (red base, orange) | **20-2100009-03-06** |
| **BX-FOL-WO** | (white base, orange) | **20-2100009-04-06** |

Powered and driven by the loop. 2 flash frequencies (fast/slow), connectable to SecuriLine eXtended.

*Technical data*

| | |
|---|---|
| Operating voltage: | 12 to 30 V DC |
| Operating current: | 6.5 mA |
| Ambient temperature: | -10 °C to +55 °C |
| Protection class: | IP 21 |
| Dimensions (H x W x D) : | 93 x 93 x 54 mm |
| Material: | ABS |
| VdS-Approval: | G 210085 |

# SECURITON

| Flash Light | 24V |
|---|---|

**Solex R/SR/10C**   (lens red, base red)   **6300170**

**Solex A/SW/10C**   (lens amber, base white)   **6300171**

**Solex G/SW/10C**   (lens green, base white)   **6300172**

**Solex B/SW/10C**   (lens blue, base white)   **6300173**

**Solex CL/SW/10C**   (lens clear, base white)   **6300174**

Optical xenon alarm medium in a robust design for indoor and outdoor application, available in 5 different lens colours. The red lens comes with red base only, other colours with white base only.

*Technical data*

| | |
|---|---|
| Operating voltage: | 9 to 60 V DC |
| Operating current: | 80 … 380 mA |
| Switch on current: | 40.5mA for 4ms |
| Light intensity:<br>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-Approval: | G 207018 |

**Accessories:**

| Description | Type | Art. Nr. |
|---|---|---|
| Socket deep, red, IP 65 | SO/D/R | 6800145 |
| Socket deep, white, IP 65 | SO/D/W | 6800146 |
| Socket deep, red, IP 65, 230V | SO/D/R/230 | 6800147 |
| Socket deep, white, IP 65, 230V | SO/D/W/230 | 6800148 |

# 16.3. Combined Siren /Beacon

## Combined Siren/Beacon wall mounted

| | | |
|---|---|---|
| **SBW ESFA1000RRS** | ( lens red, socket red, small) | 30-6300009-01-01 |
| **SBW ESFA1000RRD** | ( lens red, socket red, deep IP65) | 30-6300009-02-01 |
| **SBW ESCA4000WWS** | ( lens clear, socket white, small) | 30-6300009-03-01 |
| **SBW ESCA4000WWD** | ( lens clear, socket white, deep IP65) | 30-6300009-04-01 |

The audible/optical signal transmitter is compliant with EN 54-23 and serves to signal a fire alarm audibly and optically in buildings; with an additional IP65 base it can also be used outdoors.
The signal transmitter can be mounted on the wall (category W)

*Technical data*

| | |
|---|---|
| Operating voltage: | 17 to 60 V DC |
| Power consumption typically 24 V | |
| @ 0.5 Hz | 25 mA |
| @ 1 Hz | 45 mA |
| Switch on current: | 520 mA for 3.6 µs |
| Flash frequency: | 0.5 or 1 Hz |
| Protection class Flat base (Deep base): | IP21C (IP65) |
| Operation temperature: | -10 °C … +70 °C |
| Dimensions (D x H): | |
| Flat base | 100x100 mm |
| Deep base | 100x122 mm |
| Weight | |
| Flat base | 220 g |
| Deep base | 270 g |
| Housing: | Polycarbonate |
| VdS-Approval: | G 214108 |

| | | |
|---|---|---|
| **SBC ESFA2000RRS** | (lens red, socket red, small) | **30-6300010-01-01** |
| **SBC ESFA2000RRD** | (lens red, socket red , deep IP65) | **30-6300010-02-01** |
| **SBC ESCA3000WWS** | (lens clear, socket white, small) | **30-6300010-03-01** |
| **SBC ESCA3000WWD** | (lens clear, socket white, deep IP65) | **30-6300010-04-01** |

The audible/optical signal transmitter is compliant with EN 54-23 and serves to signal a fire alarm audibly and optically in buildings; with an additional IP65 base it can also be used outdoors.
The signal transmitter can be mounted on the ceiling (category C).

*Technical data*

| | |
|---|---|
| Operating voltage: | 17 to 60 V DC |
| Power consumption typically 24 V | |
| @ 0.5 Hz | 25 mA |
| @ 1 Hz | 45 mA |
| Switch on current: | 510 mA for 3.6 µs |
| Flash frequency: | 0.5 or 1 Hz |
| Protection class Flat base (Deep base): | IP21C (IP65) |
| Operation temperature: | -10 °C … +70 °C |
| Dimensions     (D x H): | |
| Flat base | 100x95 mm |
| Deep base | 100x117 mm |
| Weight | |
| Flat base | 220 g |
| Deep base | 270 g |
| Housing: | Polycarbonate |
| VdS-Approval: | G 214106 |

# 17. Radio Detectors

## Wireless Detector

**DOW 1171**                                                                **FG030290--**

Wireless smoke detector operating in the new
868-870 MHz SRD (Short Range Devices) band, released
exclusively for security technology. The SRD band does
not interfere with long-range industrial, scientific and
medical applications with high transmission power. Up to
30 radio-linked smoke detectors can communicate with a
single wireless module. Key features are:
- Highly efficient installation, easy expandable
- High operational reliability
- Outstanding interference immunity

Requires a radio base unit BX-RGW equipped with the
radio interface BA-RFM to communicate with the fire alarm
panel.

*Technical data*

| | |
|---|---|
| Operating voltage: | 2 Stk. 9V- lithium batteries |
| Average current consumption: | 68 µA |
| Battery operating life: | > 5 years in normal use |
| Frequency range: | 868 to 870 MHz (SRD band) |
| Channel spacing: | 25 kHz |
| Transmission strength: | max. 5 mW |
| Range in buildings: | up to 40 m where there is indivisibility |
| Aerials: | double integrated aerials |
| Protection class: | IP 44 |
| Ambient temperature: | -10° to +55°C |
| Rel. air humidity: | max. 95% at 34°C |
| Dimensions (D x H): | 119 x 73 mm |
| Case material: | PC / ABS plastic |
| Colour: | white, similar to RAL 9010 |
| Weight: | 195 g |
| Radio approval: | CE 0123 |
| VdS-Approval | G 211065 |

**Accessories:**

| Description | Type | Art. Nr. |
|---|---|---|
| Detector Base for Wireless Detector | DBW 1171 | FG030291-- |
| Battery for Wireless Detector (2 pcs. per detector needed) | U9VL-J-P | FG030292-- |

**Note:**
Detector base and two 9V batteries must be ordered
separately.

**Note:**
Labeled in German
Language only!

**SMF 6120**                                                                           **FG030176**

For manually triggering a fire alarm in areas, where
architectural aspects or particular operating processes
mean that cables can only be laid with difficulty, or not at
all. The alarm is triggered by smashing the glass panel and
pressing the button. The detector communicates bi-
directionally with the BX-RGW radio gateway over the 868-
870 MHz. Short Range Device frequency band. Power is
supplied by 2 batteries (not supplied).
Requires a radio base unit BX-RGW equipped with the
radio interface BA-RFM to communicate with the fire alarm
panel.

*Technical data*

| | |
|---|---|
| Power supply: | 2 Stk. 3,6V-lithium batteries |
| Average current consumption: | 60 µA |
| Battery life: | at least 5 years in normal use |
| Frequency range: | 868 - 870 MHz (SRD) |
| Frequency selection: | 16 groups with 5 channels |
| Channel spacing: | 25 kHz |
| Transmission strength: | max. 5 mW |
| Range in buildings: | up to 40 m where there is intervisibility |
| Aerials: | double integrated aerials |
| Protection class: | IP 43 |
| Ambient temperature: | -10° to +55°C |
| Rel. air humidity: | 95%, without condensation |
| Dimensions: | 125 x 125 x 57 mm (HxWxD) |
| Case material: | ABS |
| Colour: | red RAL 3000 |
| Weight: | 350 g |
| Radio approval: | CE 0123 |

**<u>Accessories</u>**

| Description | Type | Art. No. |
|---|---|---|
| Socket for Wireless Manual Call Point | SMF 6120 BASE | FG030177 |
| Lithium Battery Wireless Manual Call Point | SMF 6120 BATT | FG030178 |
| Spareglass for Wireless Manual Call Point | SMF 6120 GLAS | FG030187 |

# 18. Overvoltage Protection Devices

## Protection module 24V for 18 wires and 2xGND, 1,5A

### CT HKT-10-18FS+F/PE-TB24

**6900378**

Protection module + base 24V for 18 wires and 2xGND, 1,5A

*Technical data*

| | |
|---|---|
| Nominal voltage: | 24 V DC/AC |
| Total surge current (8/20) µs: | 10 kA |
| Protection class: | IP 20 |
| Ambient temperature: | -25 °C ... 75 °C |
| Case material: | PBT |
| Colour: | black |
| Dimensions (H x W x L): | 68.50 x 111 x 22 mm |

## Protection module + base, 230 V for Devices, 16A

### PRT HKT-AD-S/A-230/FM

**6900379**

Protection module + base, 230 V for Devices, 16A

*Technical data*

| | |
|---|---|
| Nominal voltage: | 230 V AC |
| Protection class: | IP 40 |
| Ambient temperature: | -25 °C ... 75 °C |
| Case material: | PA |
| Colour: | black |
| Dimensions (H x W x L): | 33 x 31.50 x 32.70 mm |

## Fine protection module, 230 V for devices, 26A

### PT HKT-2PE/S-230AC

**6900380**

Fine protection module, 230 V for devices, 26A
Overvoltage protection for device protection type 3 for end devices.

*Technical data*

| | |
|---|---|
| Nominal voltage: | 230 V AC |
| Surge voltage category: | III |
| Pollution degree: | 2 |
| Protection class: | IP20 |
| Ambient temperature: | -40 °C ... 85 °C |
| Case material: | PA |
| Colour: | black |
| Dimensions (H x W x L): | 33 x 31.50 x 32.70 mm |

## Protection module + base 24 V, for 4 wires and GND, 2A

**PT HKT-4+F-24DC**                                    **6900381**

Protection module + base 24 V, for 4 wires and GND, 2A
Protection module with protective circuit for a 4-wire, 24 V /
2 A protective circle.

*Technical data*

| | |
|---|---|
| Operating voltage: | 24 V AC |
| Protection class: | IP20 |
| Ambient temperature: | -40 °C ... 85 °C |
| Dimensions (H x W): | 66 x 90 mm |

## Protection module + base 24 V, for 4 wires and GND,300mA

**PT HKT-4x1+F-24DC**                                  **6900382**

Protection module + base 24 V, for 4 wires and
GND,300mA
Protection module with protective circuit of 300mA.

*Technical data*

| | |
|---|---|
| Operating voltage: | 24 V AC |
| Protection class: | IP20 |
| Ambient temperature: | -40 °C ... 85 °C |
| Dimensions (H x W): | 66 x 90 mm |

## Protection module + base 5 V, for 2x2 wires and GND,450mA

**PT HKT-5-HF+F-5DC**                                  **6900383**

Protection module + base 5 V, for 2x2 wires and
GND,450mA
Potection module with HF protective circuit for 4 signal
conductors.

*Technical data*

| | |
|---|---|
| Operating voltage: | 5 V DC |
| Protection class: | IP20 |
| Ambient temperature: | -40 °C ... 85 °C |
| Dimensions (H x W): | 66 x 90 mm |

## Shield clamps for cable

**SSA 3-6**          (3-6 mm)                          **6900384**

**SSA 5-10**         (5-10 mm)                         **6900385**

Shield clamps for cable diameter 3-6 mm or 5-10 mm.
For connecting cable shielding to cable terminal points

*Technical data*

| | |
|---|---|
| Potential connection cable: | 200mm |
| Weight: | 4.8g |

**FLT-CP-1S-350**                                                          **6900386**

Combined basic/medium protection module 230V, 160A
Lightening current and overvoltage arrester type 1+2.

*Technical data*

| | |
|---|---|
| Nominal voltage UN: | 240 V AC (230 V AC ... 24 V AC) |
| Arrester rated voltage UC (L-N): | 350 V AC |
| Arrester rated voltage UC (N-PE): | 350 V AC |
| Surge voltage category: | III |
| Pollution degree: | 2 |
| Protection class: | IP 20 |
| Ambient temperature: | -40 °C ... 80 °C |
| Case material: | PBT |
| Colour: | gray |
| Dimensions (H x W x L): | 70 x 71.60 x 95.80 mm |

# ● SECURITON

# 19. Batteries

## Backup Battery 12V / 2.2 Ah

**Battery 2.3 Ah 2er**                                           **30-2310001-01-01**

Set of two batteries, Pb, 12V, VdS approved

*Technical data*

| | |
|---|---:|
| Dimensions (H x W x D): | 69 x 36 x 180 mm |
| Weight : | 1kg |
| Capacity: | 2.3 Ah |

## Backup Battery 12V / 6.5-7 Ah

**Battery 7 Ah**                                                      **2310030**

Battery, Pb, 12V, VdS approved

*Technical data*

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

## Backup Battery 12V / 10-12 Ah

**Battery 12 Ah**                                                     **2310021**

Battery, Pb, 12V, VdS approved

*Technical data*

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

## Backup Battery 12V / 16-18 Ah

**Battery 18 Ah**                                                     **2310034**

Battery, Pb, 12V, VdS approved

*Technical data*

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

## Backup Battery 12V / 24-27 Ah

**Battery 26 Ah**                                                     **2310002**

Battery, Pb, 12V, VdS approved

*Technical data*

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

## Backup Battery 12V / 38-45 Ah

**Battery 45 Ah**                                                                **2310003**

Battery, Pb, 12V, VdS approved

*Technical data*

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

## Backup Battery 12V / 65 Ah

**Battery 65 Ah**                                                                **2310006**

Battery, Pb, 12V, VdS approved

*Technical data*

| | |
|---|---:|
| Dimensions (H x W x D): | 392 x 168 x 176 mm |
| Weight: | 20kg |
| Capacity: | 65 Ah |

# SECURITON

# 20. Installation, Test and Commissioning Tools

## 20.1. Detector Test Equipment

| Univ. Detector Remover, standard ver. (for detector series 523/533/563/573) |
|---|

**UDR 533 S**                                                      **5600095-0201**

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

| Univ. Detector Remover, cardan vers. (for detector series 523/533/563/573) |
|---|

**UDR 533 K**                                                      **5600096-0201**

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

| Adapter for UDR 521/531 K (for detector series 523/533/563/573) |
|---|
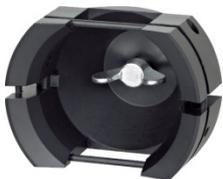
**UDR 533 A**                                                      **5600094-0201**

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.

| Univ. replacement dev. for det. series STD, SSD, UTD 5x1 with gum links |
|---|

**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

| Univ. replacement dev. for det. series STD, SSD, UTD 5x1 with cardan. m. |
|---|

**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

## Fire Detector Test Equipment 533

### 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

## CO test extension for FDT 533

### FDT 533 CO-Set

**30-5600001-01-01**

For the optional enhancement of the FDT 533 for testing the CO functionality of the multiple sensor detector CCD573X.
- Pluggable on FDT 533
- For using with CO test gas can

## Adapter SOLO-Testpole to UDR 533

### ASU 533

**5600099-0201**

Adapter Solo test pole to UDR533.

## Universal Telescope pole (1.7m - 3m)

### UTP 6

**5600072**

Pole for various detector removal and test devices.

*Technical data*

| | |
|---|---|
| extendable from: | 1.7 to 3.0 m |

## Universal Telescope pole (2.2m - 4m)

### UTP 7

**5600073**

Pole for various detector removal and test devices.

*Technical data*

| | |
|---|---|
| extendable from: | 2.2 to 4.0 m |

## Extension (1.34m) for Univ. Telescope pole UTP 6/7

### 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 |

![Securiton logo]

## Test gas

**918/5 test gas can – Attention: Dangerous Good**  **6900124**

For functional testing of smoke detectors. Lasts for approx.
200 tests. Free of halogenated hydrocarbons.

## CO Test gas

**SOLO C3 – Attention: Dangerous Good**  **6800143**

For functional testing of Co detectors. Carbon monoxide is
a highly toxic, colourless and odourless gas.

## Smoke and Heat Det. Test Kit (incl. 2 battery batons and fast charger)

**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, Heat and CO Det. Test Kit (incl. 2 batt. batons and fast charger)

**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.

| Universal Fast Battery Charger | (for Testifire) | |
|---|---|---|

| | **Solo 726** | 30-69000556-01-01 |
|---|---|---|
| | For Testifire 1001 and 2001 tester. Universal fast battery charger | |

| Protective Carrying / Storage Bag | (for Testifire) | |
|---|---|---|

| | **Solo 610** | 6900457-0201 |
|---|---|---|
| | Bag for tester and access poles | |

| Pole Carrying / Storage Bag | (for access poles) | |
|---|---|---|

| | **Solo 620** | 6900458-0201 |
|---|---|---|
| | Separate Pole Carrying / Storage Bag for access poles | |

| Fibreglass 4 Section Telescopic Pole - 4.5 metres | | |
|---|---|---|

| | **Solo 100** | 6900459-0201 |
|---|---|---|
| | Fibreglass 4 section telescopic pole<br>- Extends from 1.26m to 4.5m<br>- Enables access to detectors fitted up to 6m<br>- Accepts three Solo 101 to reach 9m | |

| Fibreglass 2 Section Telescopic Pole - 2.5 metres | | |
|---|---|---|

| | **Solo 108** | 6900460-0201 |
|---|---|---|
| | Fibreglass 2 section telescopic pole<br>- Extends from 1.26m to 2.5m<br>- Enables access to detectors fitted up to 4m<br>- Accepts additional Solo 101's for greater heights | |

| Fibreglass Extension Pole - 1,13 metres | | |
|---|---|---|

| | **Solo 101** | 6900461-0201 |
|---|---|---|
| | Fibreglass single section pole<br>- Extends from 1.13m<br>- Enables access to detectors fitted up to 2.5m<br>- Connects to Solo 100, Solo 108 or additional Solo 101s for greater heights | |

# 20.2. Loop Test Equipment

Loop Test Board (incl. AC/DC adapter)

**STB 01X-E**                                                                 **50-1000004-02-03**

Hand held control device for testing and trouble shooting of the SecuriLine eXtended installation and their participants. Includes the power supply adapter (100-240VAC/24VDC) and an USB serial interface to a PC. Suitable for SecuriLine eXtended up to 250 loop devices.

**Accessories**

| Description | Type | Art. No. |
|---|---|---|
| STB 01X Transport case | STB 01X Transport case | 50-1000019-01-01 |

# 21. Product Type Index

# SECURITON