SecuriFire 500/1000/2000/3000

Product Catalogue 2024

Content

1. Introduction

Twice the design, twice as safe.

A fire at a company destroys far more than just property: It also puts human life at risk and can threaten the economic existence of any business. But fires start small, so the faster they are detected, the less chance they have of triggering a sequence of disastrous events.
With SecuriFire, Securiton has created a fire detection system that of such high-tech intelligence and reliability, that it consigns all previous systems to history. SecuriFire's key innovation is its fully redundant system architecture, which provides twice the safety and that means that a complete system failure is practically impossible. All the hardware and software components have been duplicated, operating in parallel in two separate autonomous systems. If the active system fails, the secondary system takes over full operations – seamlessly.

For a safety map that leaves no blanks.

SecuriFire literally grows along with the tasks you set the system. Indeed, it is simple to expand or to reduce. Once you have defined your needs, the system architecture automatically adapts accordingly. And thanks to SecuriFire's unique flexibility you get exactly the level of protection you need for each area of your building: no more, but – more importantly – no less.

All under control at all times – with the SecuriFire Studio programming tool.

What do you need to plan, program and commission your SecuriFire system? It is simple: a laptop computer. SecuriFire Studio is an amazing piece of programming equipment. The tool guides you step by step until you arrive at exactly the right solution for your particular fire detection needs. It helps you to intuitively design the system topology, position the control units and SecuriLines within the building, and select the right detection and peripheral equipment. It goes without saying that you also have the full support of Securiton's own fire detection specialists. And when you're redesigning the system as your company expands, the programming tool will save you time and money. All you have to do is download the planning data via a service interface to a control unit. The data is then distributed throughout the system using the SecuriLan.

Relax – we're with you all the way.

Security professionals want a strong partner. A partner they can trust whatever happens – especially when the going gets tough.
A collaboration with Securiton fits the bill perfectly: the combination of personal consultations, unmatched technical know-how and proximity of our services means all you have to do is relax. Welcome to the safe side.

The descriptions and specifications contained in this Product Catalogue are correct at the time of issue.
We reserve the right to make modifications, in particular for technical reasons. In the course of continual development, the products delivered may vary visually from those shown.
The design of this catalogue is protected by copyright law. The printing or copying of texts, figures and photographs from this document - including extracts - in any type of media (e.g. print, CD-ROM, Internet etc.) is only permitted with our explicit written consent. We accept no liability for print errors or obvious mistakes.

2. System Overviews
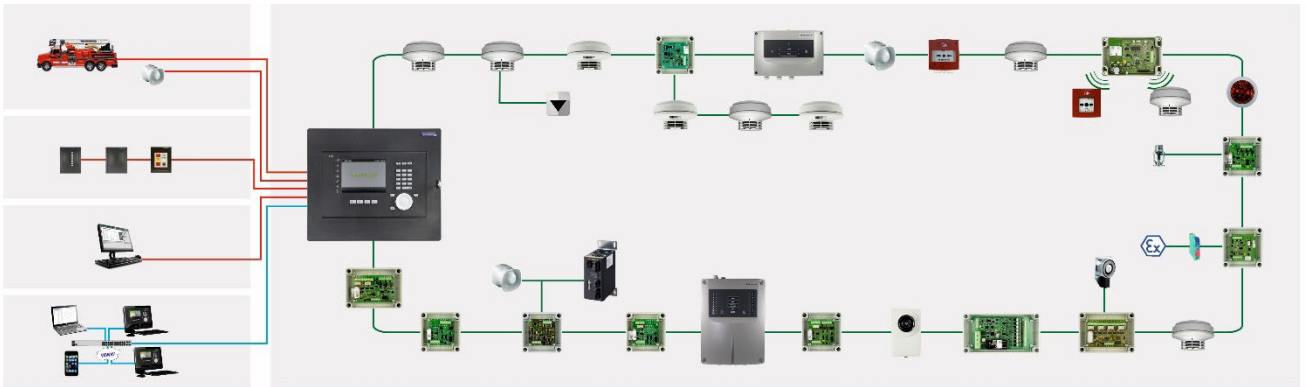
SecuriFire 500
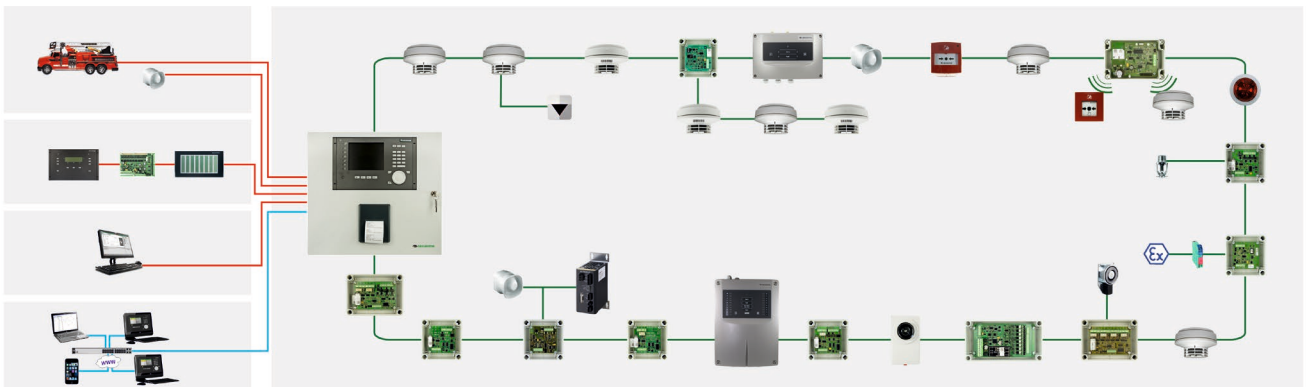
SecuriFire 1000
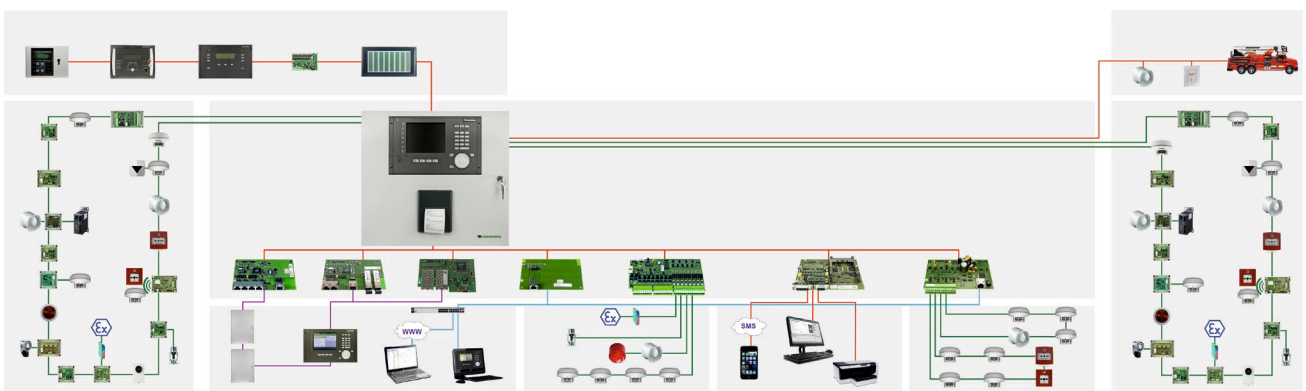
SecuriFire 2000

System Overviews
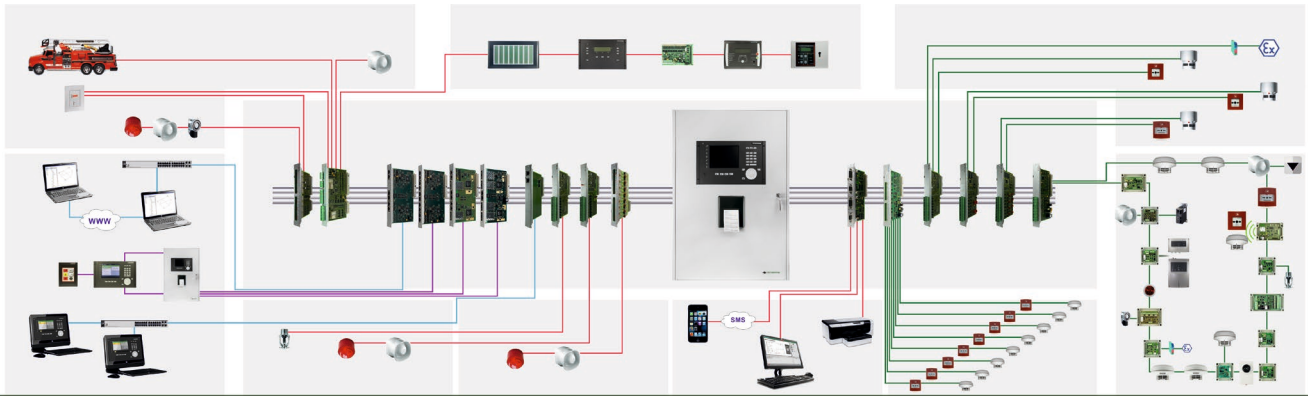
SecuriFire 3000
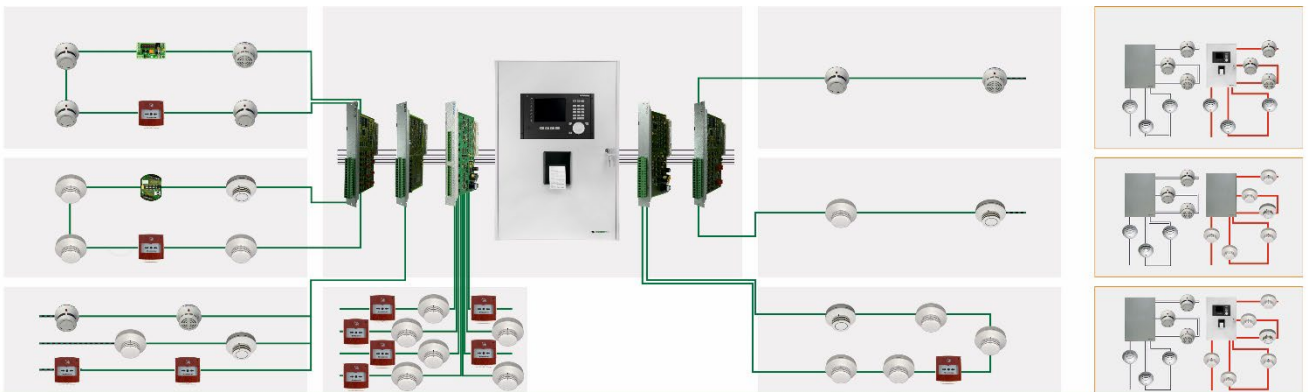
SecuriFire Modernisation

3. SecuriFire System Comparison Chart

	SecuriFire 500	SecuriFire 1000	SecuriFire 2000	SecuriFire 3000
Loops	1	1	Up to 4	Up to 16
Optional: Input / Output	-	X	X	X
Optional: RS485/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 Output	3	5	5	X

4. Fire Alarm Control Panels

4.1. SecuriFire 500

SCP 500 Cabinet	🔥 DBI *SBSC* VdS CE

B10-SCP520   SecuriFire 500 Basic Version,   **20-1151010-01-01**
                  with built-in operating panel

SecuriFire 500 basic version including:
- Polycarbonate cabinet (grey)
- B10-CPB11 Central Processor Unit
- Battery compartment

Mains voltage / Frequency:	
	110/230 VAC +10%-15% 47-63 Hz
Power consumption:	max. 90 W
Output voltage:	26,3 V DC (+50°C) to 28,3 V DC (0°C)
Output current:	2,4 A
Protection class (DIN 40050):	IP30
Operating temperature:	-5°C to +50°C
Weight of basic version:	2,3 kg (without batteries)
Dimensions (HxWxD):	300 x 360 x 80 mm
Cabinet:	Polycarbonate
Color:	anthracite grey (RAL 7016)

Approvals

VdS-Approval:	G 212112
	S 212006
Declaration of Performance (DoP):	CPR-10-21-203

4.2.   SecuriFire 1000

SCP 1000 Cabinet	DBI SBSC VdS C€

B9-SCP1020   SecuriFire 1000 Basic version,   **20-1150040-01-01**
with built-in operating panel

SecuriFire 1000 basic version including:
- Sheet steel cabinet (grey)
- DOM-cylinder lock
- B9-BCB12 Central processor unit
- B9-PSU Power supply unit (110/230 VAC)
- Power clips and battery cable
- Battery compartment

Mains voltage / Frequency:	
	110/230 VAC + 10% - 15% 47 – 63 Hz
Power consumption:	max. 160 W
Output voltage:	26,3 V DC (+50°C) to 28,3 V DC (0°C)
Output current:	3,9 A
Protection class (DIN 40050):	IP30
Operating temperature:	-5°C to +50°C
Weight of basic version:	8 kg (without batteries)
Dimensions (HxWxD):	445 x 400 x 140 mm
Cabinet:	Sheet steel
Color:	light grey (RAL 7035)

Approvals

VdS-Approval:	G 209049
	S 209049
Declaration of Performance (DoP):	CPR-10-21-201

Fire Alarm Control Panels

4.3. SecuriFire 2000

SCP 2000 Cabinet		DBI SBSC	VdS CE

B9-SCP2010   Basic version   **20-1150030-01-01**

B9-SCP2020   with built-in operating panel   **20-1150031-01-01**

B9-SCP2040   with built-in operating panel, printer and cut out for EPI devices or Ext. Zone panel   **20-1150033-01-01**

B9-SCP2050   with built-in operating panel, and cut out for EPI device   **20-1150034-01-01**

SecuriFire 2010 basic version including:
- Sheet steel cabinet (grey)
- DOM-cylinder lock
- B9-BCB13 Central processor unit
- B9-PSU Power supply unit (110/230 VAC)
- Power clips and battery cable
- Battery compartment

SCP 2010

SCP 2020

SCP 2040

SCP 2050

Mains voltage / Frequency:	110 / 230 VAC + 10% - 15% 47 - 63 Hz
Power consumption:	max. 160 W
Output voltage:	26,3 V DC (+50°C) to 28,3 V DC (0°C)
Output current:	3,9 A
Protection class (DIN 40050):	IP30
Operating temperature:	-5°C to +50°C
Weight of basic version:	8 kg (without batteries)
Dimensions (HxWxD):	445 x 400 x 140 mm
Cabinet:	Sheet steel
Color:	light grey (RAL 7035)

Approvals

VdS-Approval:	G 209047
	S 209047
Declaration of Performance (DoP):	CPR-10-21-202

Accessories		
Memory card 8GB for B8/B9	SD-CARD-8GB IND	20-1400208-01-01
Memory card 1GB for B5/B6	SD-CARD-1GB IND	20-1400209-01-01
Upgrade-Kit to B9 (unit rack, B9-BCU13, B9-PSU, cover)	B9-UGK-2000	20-1150150-01-01
B9 Cover with over for SecuriFire 2000 B9 with cut-out for wireless service interface.	B9-BC-CVR	20-1140100-01-01

4.4. SecuriFire 3000

SCP 3000 Cabinet			DBI SBSC VdS CE

SCP 3010

SCP 3020

SCP 3030

SCP 3040

SCP 3050

B8-SCP3010	Basic version	**20-1050300-01-01**
B8-SCP3020	with built-in operating panel	**20-1050301-01-01**
B8-SCP3030	with built-in operating panel and printer	**20-1050302-01-01**
B8-SCP3040	with built in panel, printer and cut out for EPI-device	**20-1050303-01-01**
B8-SCP3050	with built in panel, printer and cut out for MMI-device	**20-1050304-01-01**

SecuriFire 3010 basic version including:
- Sheet steel cabinet (grey)
- DOM-cylinder lock
- B8-MCB15 Central Processor Unit
- B8-PSU power supply unit (110/230 VAC)
- Module rack with B8-BUS backplane
- Battery compartment

Mains voltage / Frequency:	
	110 / 230 VAC + 10% - 15% 47 - 63 Hz
Power consumption:	max. 280 W
Output voltage:	26,3 V DC (min. At +50°C)
Output current:	7,1 A
Protection class (DIN 40050):	IP30
Operating temperature:	-5°C to +50°C
Weight of basic version:	23,5 kg (without batteries)
Dimensions (HxWxD):	470 x 670 x 230 mm
Cabinet:	Sheet steel
Color:	light grey (RAL 7035)

Approvals

VdS-Approval:	G 209045
	S 209045
Declaration of Performance (DoP):	CPR-10-21-200

Accessories		
Memory card 8GB for B8/B9	SD-CARD-8GB IND	20-1400208-01-01
Memory card 1GB for B5/B6	SD-CARD-1GB IND	20-1400209-01-01
Upgrade-Kit to B8 (unit rack, B8-PSU, B8-BUS, B3-BSR, B8-MCB15)	B8-UGK-SF	20-1050102-01-01

Fire Alarm Control Panels

4.5. SecuriFire Accessories

SecuriFire Control Panel Accessories		
Replacement control boards / indication panels		
Main Indication & Control Panel, non-redundant, for SCP1000 /2000	B9-MIC11	20-1150200-01-01
Main Indication & Control Panel, redundant, for SCP3000	B8-MIC11	20-1050200-01-02
Replacement power supply		
Battery cable set for SF500	B7 BATKAB	20-1140000-01-01
Battery cable for SF1000/2000	B6 BATKAB	EI29940
Battery cable set for SF3000	B5 BATKAB1	FG29910
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	10-2000002-01-02
Printer		
Protocol printer device	B5-PDR-DW	FG030550
Various spare parts		
Key for SCP520	DKM SCHL	FG020015

5. Software Dongles & Licences

SecuriFire Studio: SecuriFire Studio is the standard PC application complete with all software modules (programs) for project planning, commissioning, maintenance and diagnostics of all control-, indication panels and control maps belonging to the SecuriFire system family and for the detector loop periphery.

Virtual Mic: The virtual control panel SecuriFire VirtualMIC provides a clearly structured, standard-compliant display and control of the fire detection system on a local PC.

Additional Language: Following additional languages are available:
German, English, Czech, Slovak, Hungarian, Italian, Latvian, Croatian, Russian, Swedish, Turkish, Dutch, Romanian, French, Danish, Slovenian, Serbian, Bulgarian, Spanish, Portuguese, Estonian, Bosnian, Arabic, Finnish, Norwegian, Flemish

Detector Stimulation: Alarm stimulation and system check on detector for testing purpose. SecuriFire unit doesn't see stimulation, Alarm looks like a real alarm (Execution of macros, etc.)

SecuriWan: Superordinate, multi-site fire alarm network.
Normative: For normative networks
Informative: For informative connections, i.e. via a routed customer network

Dongle order form available on the Securiton Homepage:

http://www.securiton.com

SecuriFire Studio		
License SecuriFire Studio	LIC Studio	VE010962
SecuriFire Virtual MIC simulation on PC (unlimited license)	L MIC Sim	VE010965
Additional Language (check library for availability)	LIC MIC Lang	VE010959
Detector Stimulation (only available in combination with SecuriFire Studio)	LIC Det. Stim	VE010966

SecuriWan		
SecuriWan 2.0 normative	SecuriWan 2.0 norm	VE010970
SecuriWan 2.0 informative	SecuriWan 2.0 info	VE010971

Securiton Dongles		
Dongle for Securiton Applications (without license)	ULM-DP	VE100450
Dongle for Securiton Applications (without license) Pack of 5 Dongles	ULM-DP 5	VE100451
Dongle for Securiton Applications (without license) Pack of 10 Dongles	ULM-DP 10	VE100452

6. SecuriCloud

SecuriCloud – The central hub for secure RemoteServices.
With SecuriCloud, operators of SecuriFire fire alarm systems and system installers can access the on-site systems at any time and from anywhere.
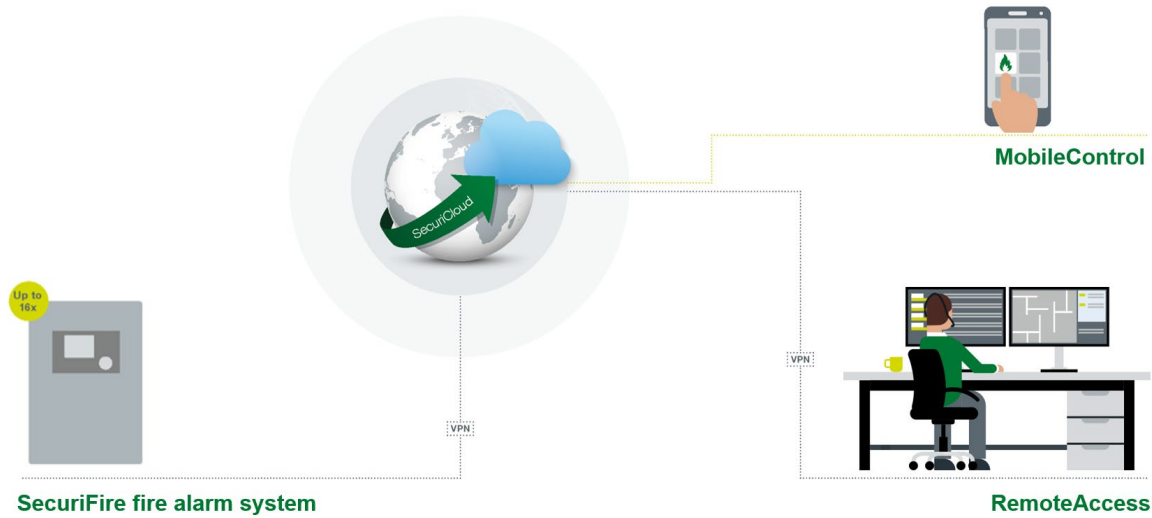
The SecuriCloud consists of two applications – RemoteAccess for installers and MobileControl for operators.

RemoteAccess
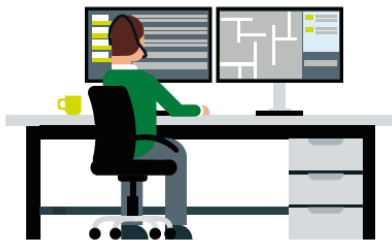
As a system installer/integrator, you can access the systems at your customers from the comfort of your PC. This provides the most direct route to professional support,

MobileControl

Additional aplication to RemoteAccess.
As an operator of a SecuriFire system, you are informed about relevant events in real time and can respond remotely.

SecuriCloud – Service fee system:
The SecuriCloud applications are based on a monthly service fee system, which is invoiced annually.
For both applications, the minimum contract period is 12 months.

How to order:
Every order must be placed via the order form on the Securiton homepage.
https://www.securiton.com/securicloud-form

To guarantee a flawless ordering process, other orders cannot be accepted.

SecuriCloud

Services		
SecuriCloud RemoteAccess Basic	RemonteAccess	VE100500
SecuriCloude Mobile Control Essential (1 Mobile Control User)	Essential	VE100501
SecuriCloude Mobile Control Classig (2-7 Mobile Control User)	Classic	VE100502
SecuriCloude Mobile Control Flexible (8 and more Mobile Control User)	Flexible	VE100503

Hardware		
SecuriCloud Router LAN NB1601-R (industrial router, approved for SecuriCloud)	NB1601-R	2491005

The basic RemoteAccess service and the NB1601 router are the basis for MobileControl, thereafter the service model that best meets the desired requirements can be selected.

RemoteAccess connection (per FAS)		MobileControl connection (per FAS)		
RemoteAccess	**LAN-Router**	**Essential**	**Classic**	**Flexible**
	NB1601	1 MobileControl user	2 to 7 MobileControl users	8 and more MobileControl users

System Information	
MobileControl – Languages	German, French, Italian, English, Finnish, Swedish, Dutch, Romanian, Hungarian, Spanish, Portuguese, Estonian, Serbian, Indonesian, Vietnamese

7. 19" Cabinet Equipment

Rack Version, incl. B8-PSU, B8-BUS, B8-MCB15, Battery compartment	VdS CE

B8-STS-BGT-SF

20-1060016-02-01

SecuriFire 3000 rack for mounting in a 19'' standing cabinet.
Inclusive:
- B8-PSU
- B8-BUS
- B8-MCB15
- Battery compartment B5-STS-AF

Battery compartment for standing cabinet	VdS

B5-STS-AF

20-1060007-01-01

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

Color:	anthracite grey (RAL 7016)

Additional frame 19''	

B5-STS-19-ME

246514

19" frame for additional SecuriFire 3000 unit racks.

Height units:	5 RU
Material:	Stainless Steel

Front plate for MIC711 or 2 EPI devices	VdS

B5-STS-MIC

20-1060004-01-02

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

Height units:	5 RU
Color:	anthracite grey (RAL 7016)

Front plate for MIC711 and EPI device

VdS

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.

Height units:	5 RU
Color:	anthracite grey (RAL 7016)

Printer for 19"

VdS   CE

B5-STS-PR-2

20-1060001-01-03

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

Height units:	5 RU
Color:	anthracite grey (RAL 7016)

Blind plate small for 19"

VdS

B5-STS-BFP2-2

20-1060008-01-01

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

Height units:	1 RU
Color:	anthracite grey (RAL 7016)

Blind plate for 19"

VdS

B5-STS-BFP-2

20-1060003-01-01

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

Height units:	5 RU
Color:	anthracite grey (RAL 7016)

19'' Cabinet Equipment

External Indicator Panel for 64 DZ 19"   VdS   CE

B5-STS-EAT64-2   20-1060011-01-02

LED indicator panel 19'' for indication of alarm, fault and disablement states for 64 detector zones. The labelling uses push-in strips.
Templates for push-in strips available in SecuriFire Studio.
-   RS485 interface
-   Connection to MMI-BUS
-   DIN 19244-3 Protocol

Operating voltage:	10 to 30 V
Current consumption:	2 mA per lit LED
Height units:	5 RU
Color:	anthracite grey (RAL 7016)

External Indicator Panel for 8 exting. zones 19"   VdS   CE
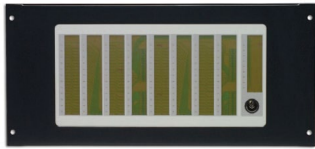
B5-STS-IPEL-2   20-1060012-01-03

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.
Templates for push-in strips available in SecuriFire Studio.
-   RS485 interface
-   Connection to MMI-BUS
-   DIN 19244-3 Protocol

Operating voltage:	10 to 30 V
Current consumption:	2 mA per lit LED
Height units:	5 RU
Color:	anthracite grey (RAL 7016)

19''Accessories

Connection

	Main connection terminals for PSU	B5-STS-KL	20-1060045-01-01

8. Indication and Operating 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 an FCP or separately mounted in their own housings.
For VdS approvals please consult the device approvals of the SecuriFire fire alarm control panels.

8.1. Built-in Indication and Operation Panels

Sector extinguisher display	CE

B4-EIP w/o housing, for panel integration **FG81624A9K**

Single-zone extinguisher display, for mounting in a SCP 2040/2050.
Internal LED control panel for one extinguishing area,
- 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

Operating voltage:	22 to 30 V
Current consumption:	2 mA
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	145 x 98 x 35 mm

Built in Fire brigade panel CH (for Switzerland)	CE

B5-EPI-FPC-E w/o housing, for panel integration **20-1240001-01-02**

Fire brigade panel, for mounting in a SCPxxxx.
Providing an easy man-machine-interface for the fire brigade.
- Language independent application by means of pictograms.
- Connection to EPI-BUS (cable included)

Operating voltage:	22 to 30 V
Current consumption:	2 mA
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	145 x 98 x 35 mm

Accessories		
Spare Key for B5-EPI-FPC	Z 12600 SEA	98191
Spare Lock 90° Z12600 for B5-EPI-FPC	SEA ZYL.4.022.2	196282

Indication and Operating Panels

Indication map for 32 alarm lines
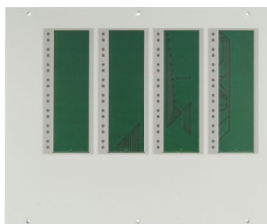
**B8-MMI-EAT32 BFE** w/o housing, for panel integration **20-1240302-01-02**

LED indicator panel for indication of alarm, fault and disablement states for 32 detector zones.
The labelling uses push-in strips.
Templates for push-in strips available in SecuriFire Studio.
- Connection to EPI-BUS (cable included)

Operating voltage:	10 to 30 V DC
Current consumption:	2 mA per lit LED
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	185 x 220 x 35 mm

Panel for 4 extinguishing areas

B8-MMI-IPES BFE w/o housing, for panel integration **20-1240303-01-03**

LED indicator panel for indication of alarm, fault and disablement states for 4 extinguish zones.
The labelling uses push-in strips.
Templates for push-in strips available in SecuriFire Studio.
- Connection to MMI-BUS (cable included)

Operating voltage:	10 to 30 V DC
Current consumption:	2 mA per lit LED
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	185 x 220 x 35 mm

8.2. External Indication and Operating 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.

Using the "MMI-Bus" on the SecuriFire control panel allows a distance of up to 1200m between the operator panel and the central unit.

Main indication and control map (redundant)	VdS C€

B8-MIC711   **20-1230200-01-02**

External main indication and control panel for SecuriFire 3000.
User-friendly full operation with "SecuriWheel" and system symbols.
- RS485 interface
- for SecuriLan
- 5.7" TFT-Color Display
- Operation with scroll wheel or functional keys
- 4 different languages changeable online
- Customized menus (optional)
- Up to 1200m distance between MIC711 and central panel using SecuriLan
- Redundant by double ring crosslinking
- with Ethernet protocol possibly (RX/TX)
- EPI-BUS-Interface
- Interface for external printer B5-MIC-PPE

Operating voltage:	10 to 30 V DC
Current consumption:	213 mA
Protection class:	IP 42
Operating temperature:	-5°C to +50°C
Weight:	1445 g
Dimensions (HxWxD):	276 x 170 x 54 mm
Color:	anthracite grey (RAL 7016)

Indication and Operating Panels

Main indication and control map (non redundant)   VdS CE

B9-MIC711   20-1230201-01-02

External non redundant main indication and control panel for SecuriFire 2000.
User-friendly full operation with "SecuriWheel" and system symbols.
-   RS485 Interface
-   for SecuriLan
-   5.7" TFT-Color Display
-   Operation with scroll wheel or functional keys
-   4 different languages changeable online
-   Customized menus (optional)
-   Up to 1200-m distance between MIC711 and central panel using SecuriLan
-   with Ethernet protocol possibly (RX/TX)
-   EPI-BUS-Interface
-   Interface for external printer B5-MIC-PPE

Operating voltage:	10 to 30 V DC
Current consumption:	165 mA
Protection class:	IP42
Operating temperature:	-5°C to +50°C
Weight:	1190 g
Dimensions (HxWxD):	276 x 170 x 54 mm
Color:	anthracite grey (RAL 7016)

Floor indication panel   VdS CE

B5-MMI-FIP   20-1230005-01-02

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).
-   Connection to MMI-BUS
-   LCD display with 6 lines
-   EPI-BUS-Interface

Operating voltage:	10 to 30 V DC
Current consumption:	49 mA
Protection class:	IP42
Operating temperature:	-5°C to +50°C
Weight:	775 g
Dimensions (HxWxD):	276 x 170 x 48 mm
Color:	anthracite grey (RAL 7016)

Empty housing with blind cover
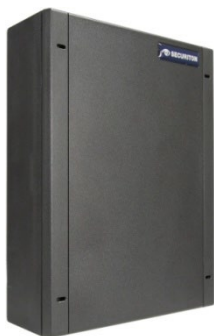
EHB 701-1   EPI panel size   **12-4400038-01-01**

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

Protection class:	IP42
Dimensions (HxWxD):	137,5 x 170 x 85 mm
Color:	anthracite grey (RAL 7016)

Universal input-output module

VdS CE

B3-MMI-UIO   EN 54-18   **20-1211001-01-01**

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 sirens, lamps, relays etc.
- RS485 interface
- Connection to MMI-BUS
- DIN 19244-3 Protocol
- MMI-BUS-Interface
- Cable length input/output max. 100m

Operating voltage:	10 to 30 V DC
Current consumption:	14 mA
Output voltage:	max. 30 V
Input voltage:	5 V
Operating temperature:	0°C to +50°C
Weight:	150 g
Dimensions (HxWxD):	160 x 105 x 20 mm

Assembly hint:

The box UIO GEH must be ordered separately
See accessories for SecuriFire Units and Boards

Indication and Operating Panels

External Indicator Panel for 64 DZ

VdS **CE**

B3-MMI-EAT64-S   20-1230119-01-02

LED indicator panel for indication of alarm, fault and disablement states for 64 detector zones. The labelling uses push-in strips.
Templates for push-in strips available in SecuriFire Studio.
- RS485 interface
- Connection to MMI-BUS
- DIN 19244-3 Protocol

Operating voltage:	10 to 30 V
Current consumption:	2 mA per lit LED
Protection class:	IP30
Operating temperature:	0°C to +50°C
Dimensions (HxWxD):	228 x 445 x 48 mm
Color:	anthracite grey (RAL 7016)

External indicator panel for 8 extinguishing zones

VdS **CE**

B3-MMI-IPEL-S   20-1230120-01-03

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.
Templates for push-in strips available in SecuriFire Studio.
- RS485 interface
- Connection to MMI-BUS
- DIN 19244-3 Protocol

Operating voltage:	10 to 30 V
Current consumption:	2 mA per lit LED
Protection class:	IP30
Operating temperature:	0°C to +50°C
Dimensions (HxWxD):	228 x 445 x 48 mm
Color:	anthracite grey (RAL 7016)

Intervention panel SV (for Sweden)

SBSC   CE

B5-MMI-IPS-S

20-1230114-01-02

Swedish intervention panel. Displays the relevant operating states to ensure simple operation by the fire brigade. Display message and labels are in Swedish language
- Connection to MMI-BUS

Operating voltage:	10 to 30 V
Current consumption:	49 mA
Protection class:	IP42
Operating temperature:	-5°C to +50°C
Weight:	500 g
Dimensions (HxWxD):	227 x 170 x 40 mm
Color:	anthracite grey (RAL 7016)

Fire brigade panel SV (for Sweden)

SBSC   CE

B5-MMI-FPS-S	MMI-BUS	20-1230117-01-02
B5-EPI-FPS-S	EPI-BUS	20-1230113-01-02

Swedish fire brigade panel. Displays the relevant operating states to ensure simple operation by the fire brigade. Display message and labels are in Swedish language
- B5-MMI-FPS-S connection to MMI-BUS
- B5-EPI-FPS-S connection to EPI-BUS

Operating voltage:	10 to 30 V
Current consumption:	MMI: 49 mA EPI: 11 mA
Protection class:	IP42
Operating temperature:	-5°C to +50°C
Weight:	500 g
Dimensions (HxWxD):	227 x 170 x 40 mm
Color:	anthracite grey (RAL 7016)

Indication and Operating Panels

Fire brigade panel CH (for Switzerland)   CE

B5-EPI-FPC-GS   20-1230001-01-02

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 (50cm cable included).
- Connection to EPI-BUS

Operating voltage:	22 to 30 V
Current consumption:	2 mA
Protection class:	IP30
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	170 x 138 x 48 mm
Color:	anthracite grey (RAL 7016)

Accessories		
Spare Key for B5-EPI-FPC	Z 12600 SEA	98191
Spare Lock 90° Z12600 for B5-EPI-FPC	SEA ZYL.4.022.2	196282

Partial Indication and Control Map   VdS CE

B5-EPI-PCM-GS   20-1230111-01-02

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
- Connection to EPI-BUS

Operating voltage:	22 to 30 V
Current consumption:	5 mA
Protection class:	IP42
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	170 x 138 x 48 mm
Color:	anthracite grey (RAL 7016)

Partial Indication Map VdS CE

B5-EPI-PIM-GS

20-1230112-01-02

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)
- Connection to EPI-BUS

Operating voltage:	22 to 30 V
Current consumption:	5 mA
Protection class:	IP42
Operating temperature:	-5°C to +50°C
Dimensions (HxWxD):	170 x 138 x 48 mm
Color:	anthracite grey (RAL 7016)

Printer for MIC711 VdS CE

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.

Operating voltage:	10 to 30 V
Current consumption:	0 mA
Current consumption (print):	35 mA
Protection class:	IP30
Operating temperature:	0°C to +50°C
Dimensions (with case) (HxWxD):	170 x 138 x 62 mm
Color:	anthracite grey (RAL 7016)

Accessories		
Color cartridge for printer	PD FRB	HG694076
Paper roll for printer	PD PPR	PPF-519057

8.3. Accessories for Indication and Operating Panels

| LC-Display for indication panels	CE

CSM 6789   **20-1400210-01-01**

The LC display CSM 6789 is available as spare part for following indication and control panels
- Fire brigade panel Sweden:
  B5-MMI-FPS / B5-EPI-FPS (all versions)
- Intervention panel Sweden:
  B5-MMI-IPS (all variations)
- Fire brigade panel Finland:
  B5-MMI-FPF (all variations)
- Floor indication panel SecuriFire:
  B5-MMI-FIP

Ground connection set for control panels	CE
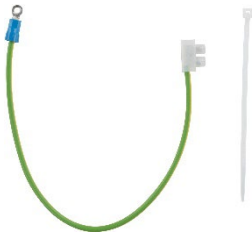
EARTH-SET   **20-1400030-01-01**

Ground connection set to avoid EMC problems.
- When there is no protective conductor (PE) or it is not certain that equipotential bonding is available, and the MMI-BUS is more than 250m away from the control panel.
- When powered by an external power supply.

The following products can be grounded using the EARTH-SET:
- B5-MMI-FPS (all versions)
- B5-MMI-IPS (all versions)
- B5-MMI-FPF (all versions)
- B5-MMI-FIP
- B5/B6-MIC711
- B8/B9-MIC711

Indication and Operating Panels Accessories

Housing parts			
	Covering Strip (2 pcs.)	COS 701-1	12-4400051-01-01
	Back housing part for B8/B9-MIC711	HOP 703-1	10-2300002-01-01
	Housing part for EHB 701-1	HOP 701-1	12-4400052-01-01

9. Flush Mounting Frames

Flush mounting kit for MIC711, EPI device and plan box
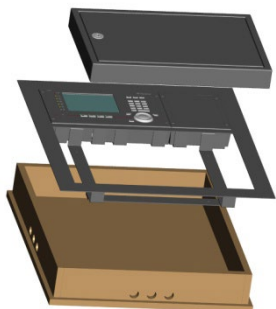
| **KFC 70-1** | Flush mounting case | **12-4400066-01-01** |
| **FKC 70-1** | Flush mounting frame | **12-4400061-01-01** |

Flush mounting case and frame with attachment screw, for SecuriFire / SecuriSafe indication and control panels.
- 1 MIC and 1 small operating device and 1 plan box

| Dimensions (HxWxD): | 542 x 495 x 90 mm |
| Color: | anthracite grey (RAL 7016) |

Accessories		
Plan box	PLB 70-1	12-4400001-01-01
Spare Key for plan box	Z 12600 SEA	98191

Flush mounting kit for MIC711

KFC 73-1	Flush mounting case	**12-4400068-01-01**
FKC 73-1	Flush mounting frame	**12-4400063-01-01**
FKC 73W-11	Flush mounting frame, white	**12-4400063-11-01**

Flush mounting case and frame with attachment screw, for SecuriFire / SecuriSafe indication and control panels.
- 1 MIC or 2 small operating devices

Dimensions (HxWxD):	251 x 357 x 90 mm
Color:	anthracite grey (RAL 7016)
	traffic white (RAL 9016)

10. SecuriFire Units and Boards

10.1. SecuriFire 500 Units

Every basic version of the SecuriFire 500 fire alarm control panel, includes the central processor unit B10-CPB11, there is no additional power supply necessaire as it is included on the main control unit.
The SecuriFire 500 fire control panel is not extendable.
All SecuriFire 500 units are listed in the VdS G 212112 certificate.

Main control unit SF500		VdS CE
B10-CPB11	Repair replacement only	**20-1151102-01-01**

The B10-CPB11 main control unit is included in every SecuriFire B10-SCP520.

Mains voltage / Frequency:	110/230 V (-15% / +10%) 47 to 63 Hz
Power consumption:	max. 90 W
Output voltage:	26,3 V DC (+50°C) to 28,3 V DC (0°C)
Current consumption:	2,4 A
Weight:	510 g

10.2. SecuriFire 1000 Units

Every basic version of the SecuriFire 1000 fire alarm control panel, includes the central processor unit B9-BCB12 and the power supply unit B9-PSU.
The SecuriFire 1000 fire control panel is not extendable.
All SecuriFire 1000 units are listed in the VdS G 209049 certificate.

Main control unit 2000		VdS CE
B9-BCB12	Repair replacement only	**20-1150103-01-01**

The B9-BCB12 main control unit is included in the basic configuration of every SecuriFire B9-SCP1000. In conjunction with the B9-PSU power supply unit, it forms the basis for the SecuriFire B9-SCP1000 hardware platform.

Mains voltage / Frequency:	110/230 VAC + 10% - 15% 47 – 63 Hz
Power consumption:	max. 160 W
Output voltage:	26,3 V DC (+50°C) to 28,3 V DC (0°C)
Weight:	373 g

Power supply unit 1000A / 2000		VdS CE
B9-PSU	Repair replacement only	**20-1100006-01-01**

➔ SecuriFire 2000 Units and Boards

10.3. SecuriFire 2000 Units and Boards

Every basic version of the SecuriFire 2000 fire alarm control panel, includes the central processor unit B9-BCB13 and the power supply unit B9-PSU.
The expansion boards B4 / B6 / B9-XXX must be equipped on the main unit. All plugs are enclosed.
All SecuriFire 2000 units are listed in the VdS G 209047 certificate.

Main control unit 2000	VdS	CE

B9-BCB13   Repair replacement only   **20-1150102-01-01**

The B9-BCB13 main control unit is included in the basic configuration of every SecuriFire B9-SCP2000. In conjunction with the B9-PSU power supply unit, it forms the basis for the SecuriFire B9-SCP2000 hardware platform.

Mains voltage / Frequency:	110/230 VAC + 10% - 15% 47 – 63 Hz
Power consumption:	max. 160 W
Output voltage:	26,3 V DC (+50°C) to 28,3 V DC (0°C)
Operating temperature:	0°C to +50°C
Weight:	373 g

Power supply unit 1000A / 2000	VdS	CE

B9-PSU   Repair replacement only   **20-1100006-01-01**

The B9-PSU power supply unit is included in the basic configuration of every SecuriFire B9-SCP2000. In conjunction with the B9-BCB13 or B9-BCB12 main control board, it forms the basis for the SecuriFire B9-SCP2000 and B9-SCP1000 hardware platform.

Mains voltage / Frequency:	110/230 VAC + 10% - 15% 47 – 63 Hz
Output voltage:	5 x 27 V DC
Output current:	3,9 A
Operating temperature:	0°C to +50°C
Weight:	1075 g

SecuriFire Units and Boards

SecuiLIne eXtended board
 VdS CE

B9-DXI2

20-1100010-01-01

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 B9-BCB13.

Power supply:	internal via System-BUS
Current consumption:	31 mA
Output voltage:	30 V DC ±3%
Operating temperature:	-5°C to +50°C
Weight:	140 g

Network interface board
VdS CE

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 (RS485 interface) and one 100Base-TX interfaces. The module is connected to the B9-BCB13 main processor unit.

Power supply:	internal via System-BUS
Current consumption:	53 mA
Operating temperature:	-5°C to +50°C
Weight:	140 g

Network interface board
VdS CE

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 (1x RS485 interface, 2x FXS) and one 100Base-TX interface. The module is connected to the B9-BCB13 main processor unit.

Power supply:	internal via System-BUS
Current consumption:	99 mA
Operating temperature:	-5°C to +50°C
Weight:	140 g

Network interface board

VdS CE

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 (1x RS485 interface, 2x FXM) and one 100Base-TX interface. The module is connected to the B6-BCB13 main processor unit.

Power supply:	internal via System-BUS
Current consumption:	122 mA
Operating temperature:	-5°C to +50°C
Weight:	140 g

Network interface board

VdS CE

B9-NET-FX4

20-1100030-01-01

For redundant networking of SecuriFire 2000 control panels or for redundant connection of PC applications. The module consists of 4 network connectors (4xFX (SM/MM)) and one 100Base-TX interface. The module is connected to the B6-BCB13 main processor unit.

Power supply:	internal via System-BUS
Current consumption:	87 mA + 30 mA for each SFP
Operating temperature:	-5°C to +50°C
Weight:	140 g

Input/Output board

VdS CE

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. The module is connected to the B9-BCB13 main processor unit.

Power supply:	internal via System-BUS
Current consumption:	31 mA
Operating temperature:	0°C to +50°C
Weight:	160 g

10.4. SecuriFire 3000 Units and Boards

Every basic version of the SecuriFire 3000 fire alarm control panel, includes the central processor unit B8-MCB15 and the power supply unit B8-PSU.
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.
All SecuriFire 3000 units are listed in the VdS G 209045 certificate.

Slot Allocation:

1. Main Control Board B8-MCB15   in slot 1   Mandatory
2. Power Supply Unit B8-PSU   in slot 10   Mandatory
3. LAN, NET2-485 or NET4-485 boards   in slot 2
4. Relay boards REL10/16/16E   in slot 11 to 13
5. BAF or MRI16 boards   in slot 9
6. Slot 9 needs to be equipped in order to enable slots 11 to 13
7. Slots 3 to 9 are for all other boards

Main control unit 3000	VdS CE

B8-MCB15   Repair replacement only   **20-1050110-01-02**

The B8-MCB15 main control board is included in the basic configuration of every SecuriFire B8-SCP3000. In conjunction with the B8-BUS and the B8-PSU power supply unit, it forms the basis for the SecuriFire B8-SCP3000 hardware platform.

Mains voltage / Frequency:	110/230 VAC + 10% - 15% 47 – 63 Hz
Power consumption:	max. 280 W
Output voltage:	26,3 V DC (min. at +50°C)
Weight:	210 g

Power supply unit 3000	VdS CE

B8-PSU   Repair replacement only   **20-1000008-01-04**

The B8-PSU power supply unit is included in the basic configuration of every SecuriFire B8-SCP3000. In conjunction with the B8-BUS and the B8-MCB15 main control board, it forms the basis for the SecuriFire B8-SCP3000 hardware platform.

Mains voltage / Frequency:	110/230 VAC + 10% - 15% 47 – 63 Hz
Output voltage:	5 x (21,0 to 27,9 V)
Output current:	max. 7,1 A
Weight:	1150 g

Control board   VdS CE

B8-BAF   **20-1000011-01-04**

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.

Power supply:	internal via System-BUS
Current consumption:	typ. 60 mA
Output voltage:	22 to 28 V DC
Output current:	max. 1,5 A
Operating temperature:	-5°C to +50°C
Weight:	265 g

System configuration hint:
The jumpers for the MMI BUS termination are in closed position. Compatible with SecuriFire Studio ≥2.2.0.

SecuiLine eXtended board   VdS CE
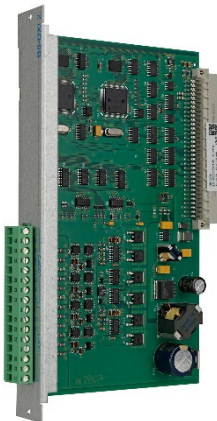
B8-DXI2A   **20-1000018-01-01**

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.

Power supply:	internal via System-BUS
Current consumption:	35 mA
Output voltage:	30 ±3% V DC
Operating temperature:	-5°C to +50°C
Weight:	225 g

SecuiLine eXtended board   VdS CE

B8-SXI8   **20-1000010-01-03**

For connecting eight addressable stub lines with detectors and modules, featuring SecuriLine eXtended addressable technology to the SecuriFire 3000.

Power supply:	internal via System-BUS
Current consumption:	43 mA
Output voltage:	30.6 ±3% V DC
Operating temperature:	-5°C to +50°C
Weight:	266 g

SecuriFire Units and Boards

Network interface board   VdS CE

B8-NET2-485   20-1000033-01-01

For redundant networking SecuriFire 3000 control panels or for redundant connection of PC applications. The module consists of two network connectors (RS485 interface) and two 100Base-TX interfaces. On the front side there are 6 RJ-45 sockets for connecting to the sub control unit network and to the Ethernet.

Power supply:	internal via System-BUS
Current consumption:	120 mA
Operating temperature:	-5°C to +50°C
Weight:	2250 g

System configuration hint:
Can only be operated in connection slot 2 of the module rack.

Network interface board   VdS CE

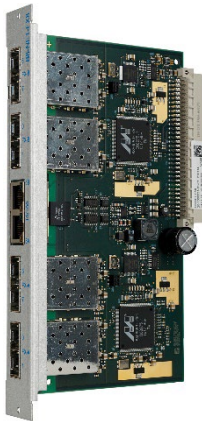### B8-NET4-485   20-1000034-01-01

For redundant networking of SecuriFire 3000 control panels or for redundant connection of PC applications. The module consists of four network connectors (RS485 interface) and two 100Base-TX interfaces. On the front side there are 10 RJ45 sockets for connecting to the sub control unit network and to the Ethernet.

Power supply:	internal via System-BUS
Current consumption:	127 mA
Operating temperature:	0°C to +50°C
Weight:	225 g

System configuration hint:
Can only be operated in connection slot 2 of the module rack.

Network interface board   VdS CE

B8-NET2-FX4   20-1000030-01-01

For redundant networking of SecuriFire 3000 control panels or for redundant connection of PC applications. The module consists of 5 network connectors (4x RS485 of which 2x galvanically isolated) and one 100Base-TX interface.

Power supply:	internal via System-BUS
Current consumption:	194 mA + 30 mA per SFP
Operating temperature:	0°C to +50°C
Weight:	225 g

System configuration hint:
Can only be operated in connection slot 2 of the module rack.

Network interface board

[VdS] CE

B8-NET-FX8

20-1000031-01-01

For redundant networking of SecuriFire 3000 control panels or for redundant connection of PC applications. The module consists of 8 network connectors (8x SFP FX (SM)) and one 100Base-TX interface.

Power supply:	internal via System-BUS
Current consumption:	226 mA + 30 mA per SFP
Operating temperature:	0°C to +50°C
Weight:	225 g

System configuration hint:
Can only be operated in connection slot 2 of the module rack.

Serial interface board

[VdS] CE

B8-USI4

20-1000032-01-01

For connecting SecuriFire 3000 sub control units to control systems, for controlling external printers, pagers, telephone servers etc. A total of 4 redundant, serial, asynchronous interfaces can be used as redundant RS485 connections in half-duplex mode (for loops) or as non-redundant RS422 connections in full-duplex mode (for lines). Furthermore, two of the four interfaces can also be operated as RS232 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.

Power supply:	internal via System-BUS
Current consumption:	20 mA
Operating temperature:	0°C to +50°C
Weight:	225 g

System configuration hint:
A maximum of five B8-USI4 units can be fitted per sub control unit.

Note:
Run out phase.

SecuriFire Units and Boards

Monitored output board   VdS CE

B8-OM8   **20-1000020-01-01**

This indicating circuit controller is designed for efficient, addressable control of sounders, sirens, bells and strobes. The maximum output current of 1,3A per output and 3A per block of four lines (1 to 4 and 5 to 8) assures meeting all requirements for signalling devices. The outputs are monitored for short circuits and wire breaks.

Power supply:	internal via System-BUS
Current consumption:	26 mA
Operating temperature:	0°C to +50°C
Weight:	216 g

System configuration hint:
The total output current of the module depends on the capacity of the power supply unit and overall system load connected to it.

Monitored input board   VdS CE
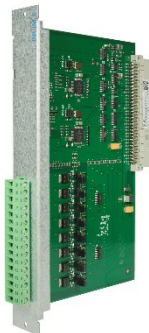
B8-IM8   **20-1000021-01-01**

The B8-IM8 is designed to provide an interface between conventional detectors and the SecuriFire 3000 control 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) or up to 10 Ex-rated detectors in intrinsically safe applications using Z787 safety barriers or to 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.

Power supply:	internal via System-BUS
Current consumption:	9 mA
Operating temperature:	0°C to +50°C
Weight:	220 g

Alarm line board
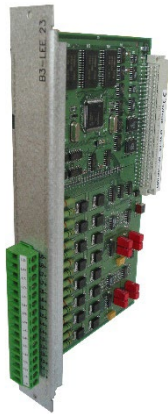
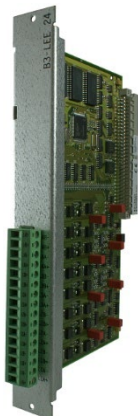**B3-LEE23**   Detectors series 140   **EG072851-B**

For connecting up to 8 stub lines each with a maximum of 30 HX140 series detectors. A maximum of five B3-LEE23 modules can be fitted to connection slots 2 to 8 of a SecuriFire 3000 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.

Power supply:	internal via System-BUS
Current consumption:	22 mA
Operating temperature:	0°C to +50°C
Weight:	210 g

System configuration hint:
A maximum of five B3-LEE23 modules can be operated in slots 2 to 8 of the SecuriFire module rack.

Alarm loop board

B3-LEE24   Detectors series 150   **EG072852-B**

Refurbishing module for old installations based on HX150 detectors. Provides 4 addressable loops supporting HX protocol and 127 HX150 detectors each.

Power supply:	internal via System-BUS
Current consumption:	27 mA
Operating temperature:	0°C to +50°C
Weight:	210 g

System configuration hint:
A maximum of five B3-LEE24 modules can be operated in slots 2 to 8 of the SecuriFire module rack.

SecuriFire Units and Boards

Relay board $\quad$ VdS $\quad$ CE
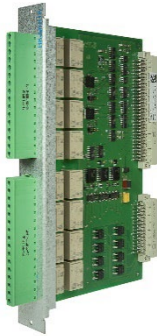
B8-MRI16
20-1000022-01-01

The module offers 16 bi-stable, freely programmable 24V/3A 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 3000 module rack.

Power supply:	internal via System-BUS
Current consumption:	4 mA typ. (battery current)
Operating temperature:	0°C to +50°C
Weight:	220 g

System configuration hint:
The B8-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.

Relay board with 230V contacts $\quad$ VdS $\quad$ CE

B3-REL10
20-1000003-01-02

The module contains 10 bi-stable, freely programmable 230V/3A 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 B8-BAF or B5-MRI16 must be fitted to connection slot 9 of the SecuriFire 3000 module rack for controlling the relays.

Power supply:	internal via System-BUS
Current consumption:	max. 3 A
Operating temperature:	-5°C to +50°C
Weight:	285 g

System configuration hint:
Can only be operated in connection slot 11 to 13 of the module rack.

Relay board with 24V contacts $\quad$ VdS $\quad$ CE

B3-REL16 $\qquad$ 20-1000004-01-02

The module contains 16 bi-stable, freely programmable 24V/3A relay contacts and is used for controlling sirens, holding magnets, relays etc. Whether the contact is a NO or NC 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 B8-BAF or B5-MRI16 must be fitted to connection slot 9 of the SecuriFire 3000 module rack for controlling the relays.

Power supply:	internal via System-BUS
Current consumption:	max. 3 A
Operating temperature:	-5°C to +50°C
Weight:	315 g

System configuration hint:
Can only be operated in connection slot 11 to 13 of the module rack.

Relay board with fused 24V outputs $\quad$ VdS $\quad$ CE

B3-REL16E $\qquad$ 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 680Ω working resistance) for use as a VdS extinguishing interface. Using jumpers, it is possible to choose between normal relay contacts and VdS interfaces.

Power supply:	internal via System-BUS
Current consumption:	max. 3 A
Operating temperature:	-5°C to +50°C
Weight:	315 g

System configuration hint:
Can only be operated in connection slot 11 to 13 of the module rack.

10.5. SecuriFire Units and Boards Accessories

SecuriFire Accessories		
Connectors		
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
Connector SXI8	ST-SET SXI8	20-1040102-01-01
Connector set for B8-BAF	ST-SET BAF	20-1040103-01-01
Connector for B4/B6-EIO inputs, 2 pcs	ST-SET-EIO	FG74109
Connector for 16pin interfaces (i.e. DAI2/DXI2)	ST-B3 16	YY970138
Connector OM8	ST-OM8	FG74095
Connector PSU5	ST-PSU EV	FG74090
Connector B8-PSU with front screw connection without labelling or coding	ST-PSU5 F	239660
SFP-Module Multimode	SFP-MODUL MM	20-1400006-01-02
SFP-Module Singlemode	SFP-MODUL SM	20-1400005-01-02
SFP-Module Singlemode 30km	SFP-MODUL SM 30	20-1400007-01-01
Various Spare Parts		
Plastic box for UIO Dimensions (HxWxD): 182 x 180 x 90 mm	UIO GEH	FG69041--B
Steel plate for module UIO	UIO STP	FG05203

11. SecuriLine eXtended Modules

| Single detector interface | VdS | CE |

SDI 82X-1   3 Inputs 1 Output   **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
With emergency alarm transmission.

Operating voltage:	12 to 30 V DC
Current consumption:	0,300 mA
Operating temperature:	-25°C to +70°C
Weight:	13 g
Dimensions (HxWxD):	22 x 32 x 14 mm

Approvals

VdS-Approval:	G 211046
Declaration of Performance (DoP):	CPR-10-14-105

| Stub Control Unit | VdS | CE |

BX-SCU   **20-2100022-01-01**

For an addressable stub line installation within a SecuriLine eXtended. Up to 32 devices can be connected to the stub line. A total maximum of 128 devices per SecuriLine eXtended using the BX-SCU is allowed.

Operating voltage:	13 to 30 V DC
Current consumption:	0,47 mA
Protection class:	IP00
	with case IP66
Operating temperature:	-20°C to +60°C
Weight:	31 g
Dimensions (HxWxD):	67 x 67 x 20 mm
	with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 217030
Declaration of Performance (DoP):	CPR-20-17-020

Assembly hint:
The box GEH MOD IP66 must be ordered separately
See accessories for loop modules

SecuriLine eXtended Modules

In-/Output Module   VdS CE

BX-OI3   **20-2100001-01-04**

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 IP66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required. Shipped including 180Ω resistors for the monitored inputs.

Operating voltage:	12 to 30 V DC
Current consumption:	0,55 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	37 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 210133
Declaration of Performance (DoP):	CPR-20-13-005

Assembly hint:
The box GEH MOD IP66 must be ordered separately
See accessories for loop modules

Relay Output Module   VdS CE

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 IP66 rated enclosure listed below which allows for different cable inlets.

Operating voltage:	12 to 30 V DC
Current consumption:	0,51 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	64 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 130 x 94 x 57 mm

Approvals

VdS-Approval:	G 210134
Declaration of Performance (DoP):	CPR-20-13-008

Assembly hint:
The box GEH MOD2 IP66 must be ordered separately See accessories for loop modules

SecuriLine eXtended Modules

Monitored Input / Output Module

BX-IOM   **20-2100002-01-09**

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

Operating voltage:	10 to 30 V DC
Current consumption:	0,46 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	30 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 210132
Declaration of Performance (DoP):	CPR-20-13-006

Assembly hint:
The box GEH MOD IP66 must be ordered separately See accessories for loop modules

Monitored Input Module

VdS CE

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 IP66 protection class plastic case is used for fitting the module, which can be fitted with various different cable inlets as required.

Operating voltage:	12 to 30 V DC
Current consumption:	0,45 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	33 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 210131
Declaration of Performance (DoP):	CPR-20-13-007

Assembly hint:
The box GEH MOD IP66 must be ordered separately   See accessories for loop modules

SecuriLine eXtended Modules

BX-O2I4   **20-2100014-01-05**

BX-O2I4-HP   **20-2100023-01-01**

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 dampers 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 localized and at the same time maintains the full operability of the addressable loop.

BX-O2I4

BX-O2I4-HP

Operating voltage:	12 to 30 V DC
Current consumption:	
BX-O2I4	0,7 mA
BX-O2I4-HP	0,63 mA
Switching load:	
BX-O2I4	(0,25 A@230 VAC / 2,5 A@24 VDC) 60 W
BX-O2I4-HP	(8 A@250 VAC / 8 A@30 VDC) 240 W
Protection class:	IP00
	with case IP66
Operating temperature:	-20°C to +60°C
Weight:	
BX-O2I4	57 g
BX-O2I4-HP	100 g
Dimensions (HxWxD):	
BX-O2I4	100 x 67 x 20 mm
with case	130 x 94 x 57 mm
BX-O2I4-HP	
without side panels	103 x 72 x 20 mm
with side panels	103 x103 x 20 mm

Approvals

VdS-Approval:	G 211050
Declaration of Performance (DoP):	CPR-20-13-012

Assembly hint:
The mounting box must be ordered separately
See accessories for loop modules

Relay Output Module   VdS   CE

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 IP66 rated enclosure listed below which allows for different cable inlets.

Operating voltage:	12 to 30 V DC
Current consumption:	0,46 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	30 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 212024
Declaration of Performance (DoP):	CPR-20-13-013

Assembly hint:
The box GEH MOD IP66 must be ordered separately See accessories for loop modules

SecuriLine eXtended Modules

Monitored Input Module   VdS CE

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, one for monitored and non-monitoring querying of potential-free contacts, which is suitable for processing switching states of longer than 330ms and one optocoupler input for monitoring external voltages. 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. It fits nicely in the IP66 rated enclosure listed below which allows for different cable inlets.

Operating voltage:	12 to 30 V DC
Current consumption:	0,46 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	32 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 212023
Declaration of Performance (DoP):	CPR-20-13-013

Assembly hint:
The box GEH MOD IP66 must be ordered separately
See accessories for loop modules

Advanced Input Module   VdS C E

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 (according 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. It fits nicely in the IP66 rated enclosure listed below which allows for different cable inlets. Supplied including an alarm resistor (560Ω) and a terminating resistor (19k1).

Operating voltage:	10 to 29 V DC (from the loop circuit)
Current consumption:	without DC branch: Type 0,46 mA with DC branch: Type. 1,8 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	30 g
Dimensions (HxWxD):	67 x 67 x 20 mm with case 94 x 94 x 57 mm

Approvals

VdS-Approval:	G 208138
Declaration of Performance (DoP):	CPR-20-13-009

Assembly hint:
The box GEH MOD IP66 must be ordered separately
See accessories for loop modules

SecuriLine eXtended Modules

<table>
<tr><td>**Multiple Detector I/F**</td><td>VdS C€</td></tr>
</table>

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

The BX-MDI8 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 BX-MDI8 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. It fits nicely in the IP66 rated enclosure listed below which allows for different cable inlets.

Operating voltage:	12 to 30 V DC
Current consumption:	0,45 mA
Protection class:	IP00 with case IP66
Operating temperature:	-20°C to +60°C
Weight:	125 g
Dimensions (HxWxD):	80 x 151 x 20 mm with case 94 x 180 x 57 mm

Approvals

VdS-Approval:	G 215099
Declaration of Performance (DoP):	CPR-20-13-015

Assembly hint:
The box GEH MOD3 IP66 must be ordered separately See accessories for loop modules

Magnetic Door holder with
Door magnet support AFS 55

$C\epsilon$

BX-MDH (delivered without Battery) **20-2100050-01-02**

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 neutralizes the magnetic field and the fire protection doors close.

- Magnetic holding area Ø48 mm
- Max. Holding strength 200 N

Operating voltage:	12 to 30 V DC
Current consumption:	0,550 mA
Protection class:	IP42
Operating temperature:	-20°C to +60°C
Weight:	600 g
Dimensions (HxWxD):	85 x 142 x 40 mm
Material:	Polycarbonate
Color:	light grey (RAL 7035)

Assembly hint:
Lithium 9V Battery must be purchased locally

Accessories		
Door magnet support for BX-MDH	ASS 55	6500023
Adjustable door magnet support for BX-MDH	AFS 55	6500102

SecuriLine eXtended Modules

End Position Switch Module

BX-ESL   **20-2100007-01-04**

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 IP65 protection class and is delivered incl. 2 connection joints.

Operating voltage:		12 to 30 V DC
Current consumption:	LED on:	1,3 mA
	LED off:	0,4 mA
Protection class:		IP65
Operating temperature:		-20°C to +60°C
Weight:		95 g
Dimensions (HxWxD):		58 x 58 x 34 mm
Material:		PA-Taromid (Thermoplastic)
Color:		case: coral red (RAL 3016)
		cover: jet black (RAL 9005)

Approvals

VdS-Approval:	G 210130
Declaration of Performance (DoP):	CPR-20-13-011

SecuriLine Modules Accessories

Mounting Housing IP66 from Spelsberg

	TK PS 1313-7-M Box for O2I4-HP Dimensions (HxWxD): 130 × 130 × 75 mm	TK PS 1313-7-M	20-2101013-01-01
	TK PS 1809-6-M Box for MDI8 Dimensions (HxWxD): 94 x 180 x 57 mm	GEH MOD3 IP66	20-4000550-01-01
	TK PS 1309-6-M Box for REL4, O2I4 Dimensions (HxWxD): 94 x 130 x 57 mm	GEH MOD2 IP66	FG020235-A
	TK PS 99-6-M Box for Modules (excl. REL4/O2I4/MDI8) Dimensions (HxWxD): 94 x 94 x 57 mm	GEH MOD IP66	FG020234-A
	TK PC 1313-7-M Box for O2I4-HP outdoor Dimensions (HxWxD): 130 × 130 × 75 mm	TK PC 1313-7-M	20-2101003-01-01
	TK PC 1809-6-M Box for MDI8 outdoor Dimensions (HxWxD): 94 x 180 x 57 mm	TK PC 1809-6-M	20-2101002-01-01
	TK PC 1309-6-M Box for REL4, O2I4 outdoor Dimensions (HxWxD): 94 x 130 x 57 mm	TK PC 1309-6-M	20-2101001-01-01
	TK PC 99-6-M Box for Modules (excl. REL4/O2I4/MDI8) outdoor Dimensions (HxWxD): 94 x 94 x 57 mm	TK PC 99-6-M	20-2101000-01-01

Mounting Plates

	Mounting plate for Line Modules (excl. REL4/O2I4/MDI8) Dimensions (HxW): 94 x 94 mm	MP MOD KL	30-6800021-01-01
	Mounting plate for REL4, O2I4 Dimensions (HxW): 94 x 130 mm	MP MOD GR	30-6800021-02-01
	Mounting plate for MDI8 Dimensions (HxW): 94 x 180 mm	MP MOD GR2	30-6800021-03-01

Various spare parts

	Stepped nipple M20 delivery unit: 100 pcs	MM SN M20	MM000181-A
	Resistor board 182 Ohm delivery unit: 50 pcs	RES-182R-182R	20-2400051-01-01
	Resistor board 1.5-3 Ohm delivery unit: 10 pcs	RES-1K5-3K	20-2400051-03-01

12. SecuriStar Detectors

12.1. SecuriStar SecuriLine eXtended

| Multiple sensor detector, smoke, heat and carbon monoxide | | SBSC | VdS | C E |

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

CCD 573X MC   multicolor,   **30-5000006-92-02**
                   available in different RAL colors

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
- (CUBUS+ adaption)
- Technical CO alarm according EN 50291-1
- Adjustable technical CO pre-signal

Operating voltage:	7 to 31 V DC
Current consumption:	0,15 mA
Protection class:	IP44
Operating temperature:	−25°C to +50°C
Weight:	125 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS/PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 212183
Declaration of Performance (DoP):	CPR-10-13-300

Assembly hint:
The RAL Classic color system is available as an assortment for all MC colored product variants. ➔Please refer to chapter RAL Colors.

Multiple sensor detector, smoke and heat

MCD 573X		30-5000003-02-06
MCD 573X CP	coated print, for temporarily humid areas	30-5000003-52-06
MCD 573X MC	multicolor, available in different RAL colors	30-5000003-92-06

Combined smoke and heat detector with programmable detection behaviour smoke / heat or combined.

- Single addressable
- Multiple standard use on two parallel channels (smoke/heat) according to EN 54-5, -7 and EN 54-29
- Self-monitoring of all detector parts
- Automatic smoke alarm sensitivity through CUBUS-adaption
- Constant sensitivity through dust compensation
- Built-in short circuit isolator
- Patented "Signature Alarm" for smoke and heat. Selection of heat classes according to EN 54-5; Class A1, A2, B inclusive index R and S for all 3 heat classes
- 100% backwards compatible to the STD531 and MCD 573
- Dust cap included

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

Operating voltage:	7 to 31 V DC
Current consumption:	0,12 mA
Protection class:	IP44
Operating temperature:	−25°C to +50°C
Weight:	125 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS/PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 210152
Declaration of Performance (DoP):	CPR-10-13-302

Assembly hint:
The RAL Classic color system is available as an assortment for all MC colored product variants.
➔ Please refer to chapter RAL Colors.

SecuriStar Detectors

Multiple sensor detector, protective grid

SBSC / VdS CE

MCD 573X PG   30-5000025-02-01

MCD 573X PG MC   multicolor,
available in different RAL colors

30-5000025-92-01

Combined smoke and heat detector with protective grid and programmable detection behaviour smoke / heat or combined.

- Single addressable
- Multiple standard use on two parallel channels (smoke/heat) according to EN 54-5, -7 and EN 54-29
- Self-monitoring of all detector parts
- Automatic smoke alarm sensitivity through CUBUS-adaption
- Constant sensitivity through dust compensation
- Built-in short circuit isolator
- Patented "Signature Alarm" for smoke and heat. Selection of heat classes according to EN 54-5; Class A1, A2, B inclusive index R and S for all 3 heat classes
- 100% backwards compatible to the STD531 and MCD 573
- Dust cap included
- Protective grid

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

Operating voltage:	7 to 31 V DC
Current consumption:	0,12 mA
Protection class:	IP44
Operating temperature:	−25°C to +50°C
Weight:	125 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS/PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 221007
Declaration of Performance (DoP):	CPR-10-20-310

Assembly hint:
The RAL Classic color system is available as an assortment for all MC colored product variants.
➔ Please refer to chapter RAL Colors.

Multiple sensor detector, smoke and heat, with integrated sounder

VdS · CE

MCD 573X-S   30-5000007-02-01

MCD 573X-S MC   multicolor,   30-5000007-92-01
available in different RAL colors

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
- See MCD 573X section for more details
- Acoustic according EN 54-3, Tonality adjustable in
  three variable volumes
- Sounder volume 92/81/69 dB(A)

Operating voltage:	12 to 31 V DC
Current consumption:	1,5 mA
Protection class:	IP22
Operating temperature:	–25°C to +60°C
Weight:	135 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS/PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 213053
Declaration of Performance (DoP):	CPR-10-13-307

Assembly hint:
The RAL Classic color system is available as an assortment for all MC colored product variants.   ➔ Please refer to chapter RAL Colors.

SecuriStar Detectors

MCD 573X-SP		**30-5000010-02-02**
MCD 573X-SP MC	multicolor, available in different RAL colors	**30-5000010-92-02**
MCD 573X-SP EE		**30-5000010-04-02**
MCD 573X-SP AE		**30-5000010-06-02**

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, -7and EN 54-29
- See MCD 573X section for more details
- Acoustic according EN 54-3, Tonality adjustable in three variable volumes
- Sounder volume 92/81/69 dB(A)

Language output:		
MCD 573X-SP	MCD 573X-SP EE	MCD 573X-SP AE
English	English	English
German	Czech	Portuguese
French	Hungarian	Danish
Italian	Russian	Finnish
Dutch	Croatian	Spanish
Swedish	Turkish	Arabian
	Romanian	Malaysian
	Serbian	Norwegian
	Slovakian	Thai

Operating voltage:	12 to 31 V DC
Current consumption:	1,5 mA
Protection class:	IP22
Operating temperature:	–25°C to +60°C
Weight:	135 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS/PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 213053
Declaration of Performance (DoP):	CPR-10-13-307

Assembly hint:
The RAL Classic color system is available as an assortment for all MC colored product variants. ➔ Please refer to chapter RAL Colors.

12.2. Conventional Detectors SecuriStar

Smoke detector	VdS CE

SCD 563   **5000611-0111**

Smoke Criteria Detector
- Conventional detector
- Automatic smoke alarm sensitivity through CUBUS-adaption
- Self-monitoring of all detector parts
- False alarm resistant alarm evaluation
- Constant sensitivity through dust compensation

Operating voltage:	18 to 30 V DC
Current consumption:	0,12 mA
Protection class:	IP44
Operating temperature:	-25°C to +60°C
Weight:	135 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS / PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 208198
Declaration of Performance (DoP):	CPR-10-13-303

Note:
Run out phase.
If possible, please use replacement product MCD 573X

SecuriStar Detectors

Temperature detector   VdS   CE

TCD 563-1	Heat Class A1		**5100165-0111**
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 detector
- Highly resistant to false alarm
- Fixed threshold and / or rate-of-rise capabilities
- 100% backwards compatible to the UTD521 and UTD523

Operating voltage:	16,5 to 30 V DC
Current consumption:	0,12 mA
Protection class:	IP44
Operating temperature:	-25°C to +70°C
Weight:	125 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS / PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 208199
Declaration of Performance (DoP):	CPR-10-13-305

Note:
Run out phase.
If possible, please use replacement product MCD 573X

12.3. Accessories for SecuriStar Detectors

Protection basket			

SRS 01

SRS 02

SRS 01	for SecuriStar and ORM130	**5000586**
SRS 02	for IP54 base or BX-SBL	**5000634**

Protective cage. To protect the detector from damage.

Dimensions with base (ØxH):	SRS 01: 148 x 90 mm SRS 02: 148 x 122 mm
Material:	Steel, nickel-plated

Detector mounting console		

MMK200/350	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 502-xx, which is mounted by means of two size M4 screws.

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

Detector numbering plate		

DNP 502 VE10

DNP 521/531

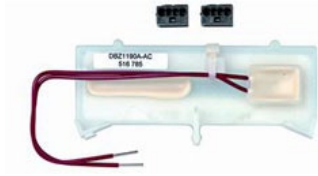| **DNP 502 VE10**	delivery unit: 10 pieces	**31-3100001-01-02**
DNP 521/531	delivery unit: 1 piece	**3110320**

Detector numbering plate for SecuriStar detectors.
Max. size for label 45 x 75 mm or P-Touch label

Material:	ABS / PC
Color:	signal white (RAL 9003)

SecuriStar Detectors

Detector heating for MCD 573X CP

FDBH291

FG020480-A

Detector heating for USB 502-xx. Needs cable binders and
reserve terminal block (USB Term) for wiring.
For detector MCD 573X CP only.

SecuriStar Accessories

Various spare parts

Optional reserve terminal block for cross-connections USB 502-xx	USB Term	31-3100002-01-01
Terminal Block for Detector Base, w/o loop cont. switch delivery unit: 10 pieces	STE 01-BK PU10	30-4100002-01-01
Rubber cap for base USB 502-1 or -6	GKAPPE 501	FG020189

13. Base for SecuriStar Detectors

Detector Bases			VdS CE

USB 502-6

USB 502-6	surf. mounting, w/o loop contact	**30-4100005-06-01**
USB 502-1	surface mounting	**30-4100005-01-01**
USB 502-2	flush mounting	**30-4100005-02-01**
USB 502-3	surf. mount., for humid areas	**30-4100005-03-01**
USB 502-4	flush mount. in concrete	**30-4100005-04-01**
USB 502-5	socket for mounting on pipes,	**30-4100005-05-01**
USB 502-6 MC	available in different RAL colors	**30-4100005-96-01**
USB 502-1 MC	available in different RAL colors	**30-4100005-91-01**

USB 502-1

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

USB 502-2

Protection class:	
USB 502-1, -2, -4, -5 and -6	IP44
USB 502-3	IP54
Operating temperature:	-25°C to +70°C
Weight:	
USB 502-1 or -6	90 g
USB 502-2	210 g
USB 502-3	189 g
USB 502-4	179 g
USB 502-5	229 g
Dimensions with base (ØxH):	
USB 502-1 or -6	118,5 x 25 mm
USB 502-2	158 x 50 mm
USB 502-3	123,5 x 50 mm
USB 502-4	158 x 92 mm
USB 502-5	118,5 x 70 mm
Material:	ABS/PC; TPE
Color:	signal white (RAL 9003)

USB 502-3

Assembly hint:
The RAL Classic color system is available as an assortment for all MC colored product variants. ➔Please refer to chapter RAL Colors.

USB 502-4

USB 502-5
(USB 502-1 with pipe clamp)

Base for SecuriStar Detectors

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

VdS · CE

USB 502-20 surface mounting **20-2100019-01-01**

Universal base with illuminated ring
For addressable SecuriStar detectors with uniform 6-pin terminal block. Surface mounting, without loop contact.
Illuminated ring:
- Fixed flash rate
- Low power consumption
- Can be actuated individually

Protection class:	IP44
Operating temperature:	-25°C to +70°C
Weight:	90 g
Dimensions (ØxH):	118,5 x 25 mm
Material:	ABS / PC
Color:	signal white (RAL 9003)

Detector Base, surface mounting Ex-i IP54

Ex · VdS · CE

USB 502-7 Ex-i surface mounting **30-4100005-07-01**

Along with the MMD 130 Ex-i optical smoke detectors, it is suitable for use in Ex zones 1, 2 and 22.
It has no loop contact.

Protection class:	IP54
Operating temperature:	-25°C to +70°C
Weight:	189 g
Dimensions (ØxH):	123,5 x 50 mm
Material:	ABS / PC
Color:	signal white (RAL 9003)

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

Ex · VdS · CE

USB 502-8 Ex-i **30-4100005-08-01**

Along with the MMD 130 Ex-i optical smoke detectors, it is suitable for use in Ex zones 1, 2 and 22.
It has no loop contact.

Protection class:	IP44
Operating temperature:	-25°C to +70°C
Weight:	95 g
Dimensions (ØxH):	118,5 x 25 mm
Material:	ABS / PC
Color:	signal white (RAL 9003)

14. Ventilation Duct Detectors SecuriLine eXtended

Air duct detector base set, without detector $\quad$ CE

LKM-SET

30-5500005-01-01

Housing with transparent cover. For mounting ventilation duct detectors: LKM 593X, LKM 140, LKM 150, and LKM 583 on round or rectangular ventilation ducts. Including inlet and outlet pipe.

Protection class:	IP54
Operating temperature:	-25°C to +60°C
Weight:	485 g
Dimensions without pipes:	95,5 × 247,2 × 135 mm
Ventilation duct diameter (Ø):	20 to 300 cm
Ventilation duct side length (□):	15 to 300 cm
Air flow speed:	1 to 20 m/s
Material:	PC/anodised aluminium tube

Duct Smoke detector SecuriLine eXtended $\quad$ VdS $\quad$ CE

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 tracking
- Wind speed 1…20 m/s

Operating voltage:	7 to 31 V DC
Current consumption:	0,15 mA
Operating temperature:	–25°C to +60°C
Weight:	125 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS/PC
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 214124
Declaration of Performance (DoP):	CPR-30-13-025

15. Ex/ATEX approves Detectors

Multicriteria Detector, Ex-proof	Ex	VdS	CE

MMD 130 Ex-i

30-5000005-01-01

An intrinsically safe multi-criteria detector for use in hazardous areas of zones 1, 2 (gas) and 22 (non-conductive dust). The MMD 130 Ex-i works in accordance with the scattered light principle and detects smouldering, glowing and open fires with smoke or heat development at an early stage. The device is approved according to directive 2014/34/EU.

Operating voltage:	10 to 28 V DC
Current consumption:	0,15 mA
Protection class:	IP54
Operating temperature:	-25°C to +70°C
Weight:	125 g
Dimensions with base (ØxH):	118,8 x 58,1 mm
Material:	ABS / PC
Color:	signal white (RAL 9003)
Standard for explosion-hazard areas:	
	II 2G Ex ib op is IIC T4 Gb
	II 3D Ex ib op is IIIB T130°C Dc

Approvals

VdS-Approval:	G 211094
Ex Approval:	EPS 11 ATEX 1 346 X

Note:
Run out phase.

Safety barrier

Z787   **FG020121**

Z787F   with replaceable fuse   **FG020430**

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 approved according to directive 2014/34/EU.

- Max. short circuit current 93 mA
- Max. power 650 mW

Operating voltage:	25,5 V DC
Current consumption:	35 mA
Protection class:	IP20
Operating temperature:	-20°C to +60°C
Weight:	150 g
Dimensions (HxWxD):	110 x 115 x 12,5 mm
Material:	Makrolon
Standard for explosion-hazard areas:	
	II 3G Ex nA IIC T4 Gc
	II (1) GD Ex ia Ga IIC
	II (1) GD Ex ia Da IIIC

Approvals

Ex Approval:	TÜV 99 ATEX 1484 X
	BAS 01 ATEX 7005

Accessories		
G-fuse 50 mA F 5x20	G SICH Z787F	FG020431
Housing 175x175x100mm, IP66, with cap rail, non-transparent cover	GEH HS GS	30-6800070-02-01
Housing 175x175x100mm, IP66, with cap rail, transparent cover	GEH HS TP	30-6800070-01-01

16. Radio system SecuriAir

| **Radio Gateway** | | VdS CE |

BX-WGW (delivered without Battery) **20-2100021-01-02**

The radio gateway BX-WGW is suitable for connection to the SecuriLine eXtended and serves as an interface for the communication between the SecuriFire fire alarm control panel, the radio fire detector and the radio manual call points. Up to 30 radio detectors can be connected to a gateway.

Operating voltage:	16,5 to 30 V DC
Current consumption:	0,75 mA
Protection class:	IP40 with case
Operating temperature:	-20°C to +60°C
Weight:	157 g
Dimensions (HxWxD):	without case: 110 x 80 x 14 mm
	with case: 167 x 89 x 28 mm
Material:	ABS
Color:	pure white (RAL 9010)

Approvals

VdS-Approval:	G 217001
Declaration of Performance (DoP):	CPR-20-17-021

Assembly hint:
The battery pack BAT3.6-10 must be ordered separately ➔ See SecuriAir accessories

Radio fire detector

FDOOT271-O   (delivered without Battery)   **20-3001000-01-02**

The radio fire detector FDOOT271-O is a multiple sensor detector and is used to extend fire alarm systems. Up to 30 radio fire detectors FDOOT271-O can be connected to the radio gateway BX-WGW.
-    Transmission power (360°): 10mW ERP

Operating voltage:	BAT 3.6-10 (3,6 V / 10 Ah)
Protection class:	IP44
Operating temperature:	-10°C to +55°C
Weight:	130 g
Dimensions (ØxH):	117 x 64 mm
Material:	ABS
Color:	pure white (RAL 9010)

Approvals

VdS-Approval:	G 216094
Declaration of Performance (DoP):	0786-CPR-21527

Assembly hint:
The battery pack BAT3.6-10 must be ordered separately
➔ See SecuriAir accessories

Radio manual call point

FDM275-O   (delivered without Battery)   **20-3001100-01-01**

The radio manual call point FDM275-O Type A / direct tripping, for manual fire alarm release. Up to 30 radio fire detectors FDM275-O can be connected to the radio gateway BX-WGW.

Operating voltage:	BAT 3.6-10 (3,6 V / 10 Ah)
Protection class:	IP44
Operating temperature:	-10°C to +55°C
Weight:	279 g
Dimensions (HxWxD):	87 x 87 x 63 mm
Material:	Polycarbonate
Color:	flame red (RAL 3000)

Approvals

VdS-Approval:	G 216096
Declaration of Performance (DoP):	0786-CPR-21529

Assembly hint:
The battery pack BAT3.6-10 must be ordered separately
➔ See SecuriAir accessories

Radio system SecuriAir

Accessories and Spare Parts for SecuriAir

Various spare parts

	Base for FDOOT271-O	FDB271	20-3001003-01-01
	Pin for FDOOT271-O	FDBZ293	20-3001001-01-01
	Description plate for radio detector	FDBZ291	20-3001004-01-01
	Radio detector cover FDM275-O	FDMC295	20-3001101-01-01
	Key for radio detector FDM275-O	FDMK295	20-3001102-01-01
	Replacement glass for radio detector FDM275-O	FDMG295	20-3001103-01-01
	Triggering element for FDM275-O	FDMP295	20-3001104-01-01
	Battery pack (1 pcs. per device needed)	BAT3.6-10	20-3001002-01-01
	USB Radio Adapter	FDUZ227	20-3001150-01-01

17. Manual Call Points

17.1. Addressable Manual Call Points SecuriLine eXtended

Manual Call Point, Type A			SBSC	VdS	CE

	MCP 545X-1 N	surface mounting	**10-5700002-01-04**
	MCP 545X-2 N	flush mounting	**10-5700005-01-04**
	MCP 545X-4 N	IP67	**10-5700006-01-04**
	MCP 545X-1S N	surface mounting, with Swedish labelling	**10-5700004-01-04**
	MCP 545X-1E N	surface mounting, without flap, non-breakable activation	**10-5700003-01-04**

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.

Operating voltage:	7 to 31 V DC
Current consumption:	0,12 mA
Protection class: MCP 545X-1 N, MCP 545X-2 N, MCP 454X-1S N and MCP 545X-1E N MCP 545X-4 N	 IP24 IP67
Operating temperature: MCP 545X-1 N, MCP 545X-2 N, MCP 454X-1S N and MCP 545X-1E N MCP 545X-4 N	 -10°C to +55°C -25°C to +70°C
Weight: MCP 545X-1 N and MCP 454X-1S N MCP 545X-1E N MCP 545X-2 N MCP 545X-4 N	 160 g 135 g 110 g 240 g
Dimensions (HxWxD): MCP 545X-1 N, MCP 545X-1E N and MCP 545X-1S N MCP 545X-2 N MCP 545X-4 N	 93 x 89 x 61,5 mm 93 x 89 x 33,5 mm 93 x 97,5 x 73 mm
Material:	Plastic, glass fibre-reinforced
Color:	signal red (RAL 3001)

Approvals

VdS-Approval:	G 210094
Declaration of Performance (DoP):	CPR-10-17-103

Manual Call Points

Manual Call Point, Type B			VdS (€

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

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, green and yellow versions available

Operating voltage:	7 to 31 V DC
Current consumption:	0,09 mA
Protection class: MCP 535X-1, MCP 535X-3, MCP 535X-5 and MCP 535X-15 MCP 535X-7	 IP52 IP54
Operating temperature:	-20°C to +50°C
Weight:	450 g
Dimensions (HxWxD):	134 x 134 x 36 mm
Material:	plastic, ASA
Color: MCP 535X-1 MCP 535X-3 and MCP 535X-7 MCP 535X-5 MCP 535X-15	 signal red (RAL 3001) signal blue (RAL 5005) signal yellow (RAL 1003) leaf green (RAL 6002)

Approvals

VdS-Approval: MCP 535X-1 MCP 535X-5 MCP 535X-3, MCP 535X-7	 G 210095 G 210096 G 210097
Declaration of Performance (DoP): MCP 535X-1 MCP 535X-5 MCP 535X-7 MCP 535X-15	 CPR-30-13-007 CPR-30-13-008 CPR-30-13-022 CPR-30-13-024

17.2. Conventional Manual Call Points

Manual Call Point, Type A			⟨Ex⟩ VdS CE

MCP3A-R000SF-STCK-01

MCP3A-R000SF-K013-81

MCP3A-R000SF-STCK-01   **10-5700007-01-01**

MCP3A-R000SF-K013-81   Ex-i   **10-5700009-01-01**

The manual call point MCP3A is a non-automatic detector for fire alarm systems with conventional fire alarm lines. The Ex-i device is approved according to directive 2014/34/EU.
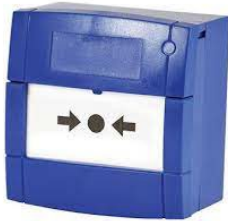- Surface mounting
- EN 54-11

Operating voltage:	30 V DC
Current consumption:	0,12 mA
Protection class:	IP24
Operating temperature:	-10°C to +55°C
Weight:	180 g
Dimensions (HxWxD):	93,3 x 89 x 59,5 mm
Material:	plastic, glass fibre-reinforced
Color:	signal red (RAL 3001)

Approvals

VdS-Approval:	G 206061
Declaration of Performance (DoP):	
	MCP6V – 2831-CPR-F1731
Ex Approval:	Sira 04 ATEX 2350 X

Assembly hint:
Additional terminal block for end resistor must be ordered separately.

Manual Call Points

Manual Call Point, Type A, Outdoor	$\langle\!\varepsilon_{x}\!\rangle$ $C\epsilon$

WCP3A-R000SF-K013-01

WCP3A-R000SG-K013-81

WCP3A-R000SF-K013-01   **10-5700008-01-01**

WCP3A-R000SG-K013-81 Ex-i   **10-5700013-01-01**

The manual call point WCP3A is a non-automatic detector for fire alarm systems with conventional fire alarm lines. The Ex-i device is approved according to directive 2014/34/EU.
-   Surface mounting
-   EN 54-11
-   Outdoor use

Operating voltage:	30 V DC
Current consumption:	0,12 mA
Protection class:	IP67
Operating temperature:	-25°C to +70°C
Weight:	350 g
Dimensions (HxWxD):	93 x 97,5 x 71 mm
Material:	plastic, glass fibre-reinforced
Color:	signal red (RAL 3001)

Approvals

Declaration of Performance (DoP):	
	MCP6V – 2831-CPR-F1731
Ex Approval:	Sira 06 ATEX 2131 X

Assembly hint:
Additional terminal block for end resistor must be ordered separately.

Manual Call Point, Type A, Emergency Stop   CE

MCP3A-B000SG-K013-66   10-5700012-01-01

The manual call point WCP3A is a non-automatic detector for fire alarm systems with conventional fire alarm lines. An alarm is triggered by pressing in the glass panel.

- Surface mounting
- EN 54-11
- Indoor use
- Function marking "Emergency Stop" for gas extinguishing systems

Operating voltage:	30 V DC
Current consumption:	0,12 mA
Protection class:	IP24D
Operating temperature:	-10°C to +55°C
Weight:	180 g
Dimensions (HxWxD):	93,3 x 89 x 59,5 mm
Material:	plastic, glass fibre-reinforced
Color:	blue (RAL 5002)

Approvals

Declaration of Performance (DoP):	1035-CPR-ES067290

Assembly hint:
Additional terminal block for end resistor must be ordered separately.

Manual Call Points

<table>
<tr><td>Manual Call Point, Type A, Manual Release</td><td style="text-align:right">CE</td></tr>
</table>

	MCP3A-YC01FG-S084-41 flush mounting	**10-5700015-01-01**
	MCP3A-Y000SG-K013-65 surface mounting	**10-5700014-01-01**

Manual release device for manual release of a gas extinguishing system according EN12094. The extinguishing is triggered by pressing in the glass panel.

- Indoor use
- Function marking "Manual Release" for gas extinguishing systems

Operating voltage:	30 V DC
Current consumption:	0,12 mA
Protection class:	IP24D
Operating temperature:	-10°C to +55°C
Weight:	180 g
Dimensions (HxWxD):	93,3 x 89 x 59,5 mm
Material:	plastic, glass fibre-reinforced
Color:	yellow (RAL 1003)

Manual Call Point, Type B   VdS CE

MCP 525-7	red	**6200149-0007**
MCP 525-9	blue	**6200149-0009**
MCP 525-11	yellow	**6200149-0011**
MCP 525-14	Stop button, blue	**6200149-0014**
MCP 525-15	Flooding, green	**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

Operating voltage:	19,6 to 30 V DC
Current consumption:	
	depending from the used fire / extinguishing panel
Protection class:	
MCP 525-7, MCP 525-9, MCP 525-11 and MCP 525-15	
	IP52
MCP 525-14	IP54
Operating temperature:	-10°C to +55°C
Weight:	450 g
Dimensions (HxWxD):	135 x 135 x 37 mm
Material:	plastic, ASA
Color:	
MCP 525-7	signal red (RAL 3001)
MCP 525-9 and MCP 525-14	signal blue (RAL 5005)
MCP 525-11	signal yellow (RAL 1003)
MCP 525-15	leaf green (RAL 6002)
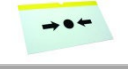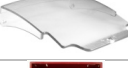
Approvals

VdS-Approval:	
MCP 525-7	G 207007
MCP 525-11	G 208106
MCP 525-14 / MCP 525-15	G 208107
Declaration of Performance (DoP):	
MCP 525-7	CPR-30-13-026
MCP 525-11	CPR-30-13-027
MCP 525-14 / MCP 525-15	CPR-30-13-028

17.3. Accessories for Manual Call Points

Accessories and Spare Parts for MCP			
Replacement glass and release plates			
	Spare glass for manual call point, (MCP/ECP/FTN/FTX) MCP 521 / 545 / MCP3A / WCP3A delivery unit: 10 pcs	CPG 845	10-5700016-01-01
	Spare glass for MCP VdS types MCP 525-7, -14, MCP 535-7, -14, MCP 140 / 150 delivery unit: 10 pcs	GLASS MCP VE10	30-6800091-01-01
	Resettable release plate for MCP 521 / 545 / MCP3A / WCP3A delivery unit: 10 pcs	PS230 VE10	10-5700017-01-01
Various spare parts			
	Sealing red for MCP 525 and 535 to be IP54	SEALING MCP IP54	30-4100001-01-01
	Key for MCP 520-1, 530-1 and 535 X delivery unit: 5 pcs.	KEY MCP 5xx VE5	30-6800093-01-01
	Seal for MCP series 521N / 545N / MCP3A / WCP3A Delivery unit: 5 pcs	CPS 845N	10-5700018-01-01
	Flap transparent, for MCP series 521N / 545N / MCP3A / WCP3A	THC 845N	238104
	Base for MCP, surface mounting, red for MCP 521 / 545 / MCP3A / WCP3A with screws	ZU FT 513 AP	10-5700011-01-01
	Base (plate) for MCP, flush mounting, red for MCP 521 / 545 / MCP3A / WCP3A with screws	ZU FT 513 UP	193801
	Alarm resistor 680Ω for MCP 521N Ex-i / MCP 521-4 N Ex-I / MCP3A Ex-I / WCP3A Ex-I	WID 680	26514
	Terminal block for MCP 521 / 545 / MCP3A / WCP3A Delivery unit: 20 pcs	ST-MCP	10-5700019-01-01
	Test key, for opening and testing MCP 521 / 545 / MCP3A / WCP3A Delivery unit: 10 pcs	TK MCP	10-5700020-01-01

18. Alarm Indication Modules

18.1. Acoustical Alarm Medium

Loop Siren		_SBSC_	VdS	C E

BX-SOL-R	red	**20-2100008-01-10**
BX-SOL-W	white	**20-2100008-02-10**

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: 99/89 dB(A)

Operating voltage:	12 to 30 V DC
Current consumption:	2,9 mA Low
	5,3 mA High
Protection class:	IP21
Operating temperature:	-10°C to +55°C
Weight:	230 g
Dimensions with base (ØxH):	108 x 96 mm
Material:	ABS
Color:	
BX-SOL-R	signal red (RAL 3001)
BX-SOL-W	signal white (RAL 9003)

Approvals

VdS-Approval:	G 210086
Declaration of Performance (DoP):	CPR-20-13-100

Alarm Indication Modules

<table>
<tr><td>**Siren**</td><td></td><td>VdS</td><td>CE</td></tr>
</table>

deep base

Sonos-S PSS-0084 RS shallow base, red   30-6300014-01-02

Sonos-S PSS-0084 RD deep base, red   30-6300014-02-02

Sonos-S PSS-0089 WS shallow base, white   30-6300014-03-02

Sonos-S PSS-0089 WD deep base, white   30-6300014-04-02

Acoustical alarm device for fire alarm systems. Robust, reliable construction, low power consumption. The siren can be connected to SecuriFire via B8-OM8, B4/B6-EIO or BX-IOM.
- 32 signal tones
- 2nd tone can be activated via separate input
- Adjustable volume
- Volume (DIN tone): 99 dB(A)@1 m
- Red and white type available
- EN54-3

Operating voltage:	9 to 60 V DC
Current consumption:	13 mA
Protection class: PSS-0084 RS / PSS-0089 WS PSS-0084 RD / PSS-0089 WD EN54-3, EN54-23	 IP21C IP33C
Operating temperature:	-25°C to +70°C
Weight: PSS-0084 RS / PSS-0089 WS PSS-0084 RD / PSS-0089 WD	 230 g 265 g
Dimensions (ØxH): PSS-0084 RS / PSS-0089 WS PSS-0084 RD / PSS-0089 WD	 100 x 81,3 mm 97,5 x 104,1 mm
Material:	ABS
Color:	signal white (RAL 9003) signal red (RAL 3001)

Approvals

VdS-Approval:	G 210098
Declaration of Performance (DoP):	2831-CPR-F1923

Sounder Base USB 50x on the Loop

VdS **CE**

BX-SBL 501-W   white   **20-2100011-02-10**

BX-SBL 501-WDB   white, deep base   **20-2100011-01-10**

Acoustic alarm unit, to be mounted between the detector socket USB 50x and 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 (-WDB) 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: 90/80 dB(A)

BX-SBL 501

BX-SBL 501

Operating voltage:	15 to 30 V DC
Current consumption:	1,5 mA Low
	4,0 mA High
Protection class:	IP31D
Operating temperature:	-20°C to +55°C
Weight:	
BX-SBL 501-W	170 g
BX-SBL 501-WDB	175 g
Dimensions (ØxH):	
BX-SBL 501-W	117 x 41 mm
BX-SBL 501-WDB	117 x 45 mm
Material:	PC/ABS
Color:	signal white (RAL 9003)

Approvals

VdS-Approval:	G 211029
Declaration of Performance (DoP):	CPR-20-13-101

Alarm Indication Modules

Loop ceiling siren		VdS CE

BX-SBL 502-W	white	**20-2100012-04-10**
BX-SBL 502-WDB	white, deep base	**20-2100012-02-10**
BX-SBL 502-RDB	red, deep base	**20-2100012-01-10**

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: 90/80 dB(A)

Operating voltage:	15 to 30 V DC
Current consumption:	1,5 mA Low 4,0 mA High
Protection class:	IP31D
Operating temperature:	-10°C to +55°C
Weight: BX-SBL 502-W BX-SBL 502-WDB / RDB	 161 g 167 g
Dimensions (ØxH): BX-SBL 502-W BX-SBL 502-WDB / RDB	 116 x 32 mm 116 x 36 mm
Material:	PC/ABS
Color:	signal white (RAL 9003) signal red (RAL 3001)

Approvals

VdS-Approval:	G 211029
Declaration of Performance (DoP):	CPR-20-13-101

Acoustic signal transmitter VdS CE

PA 1-W	white	**30-6300019-02-01**
PA 1-R	red	**30-6300019-01-01**

The acoustic signaller is designed for the following applications:
Acoustic signalling of a fire alarm in buildings
and outdoors according to EN 54-3
- Use in deep-freeze areas down to -40 °C Max. temperature
- Conventional control (stitch)
- 79 tones with signal tone according to DIN 33404-3
- 6 tone types according to EN 54-3
- Volume adjustable via potentiometer (12dB)
- Up to 4 tones controllable
- Max. Sound level :
    DIN tone typ. 24 V 106 dB (A)
    DIN tone typ. 57 V EN 54-3 105 dB (A)

Included in delivery:
- 1 acoustic signal transmitter
- 1 diaphragm nipple M20

Operating voltage:	10 to 57 V DC
Power consumption:	38 mA at DIN tone
Protection class according to EN 54-3:	IP33C
Operating temperature:	-10°C to +55°C
Weight:	270 g
Dimensions:	86x109.5x80.6 mm
Material:	PC/ABS
Colour:	Signal white (RAL 9003) Signal red (RAL 3000)

Approvals

VdS-Approval:	G 212115
Declaration of performance (DoP):	03CPR2013-06-07

18.2. Optical Alarm Medium

Beacon wall mounted			VdS	CE

	BW ESDA1000RRS	lens red, socket red, shallow base	**30-6300007-01-01**
	BW ESDA1000RRD	lens red, socket red, deep base	**30-6300007-02-01**
	BW ESBA4000WWS	lens clear, socket white, shallow base	**30-6300007-03-01**
	BW ESBA4000WWD	lens clear, socket white, deep base	**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 B8-OM8, B6-EIO or BX-IOM.
- Flashing frequency 0,5 or 1 Hz

Operating voltage:	17 to 60 V DC
Current consumption:	20 mA
Protection class: BW ESDA1000RRS / BW ESBA4000WWS BW ESDA1000RRD / BW ESBA4000WWD	IP21C IP33C
Operating temperature:	-10°C to +55°C
Weight: BW ESDA1000RRS / BW ESBA4000WWS BW ESDA1000RRD / BW ESBA4000WWD	170 g 220 g
Dimensions (ØxH): BW ESDA1000RRS / BW ESBA4000WWS BW ESDA1000RRD / BW ESBA4000WWD	100 x 100 mm 100 x 122 mm
Material:	Polycarbonate
Color:	flame red (RAL 3000) signal white (RAL 9003)

Approvals

VdS-Approval: BW ESDA BW ESBA	G 214107 G 214105
Declaration of Performance (DoP): BW ESDA BW ESBA	0832-CPR-F0150 0832-CPR-F0007

Beacon ceiling mounted VdS CE

BC ESDA2000RRS	lens red, socket red, shallow base	**30-6300008-01-01**
BC ESDA2000RRD	lens red, socket red, deep base	**30-6300008-02-01**
BC ESBA3000WWS	lens clear, socket white, shallow base	**30-6300008-03-01**
BC ESBA3000WWD	lens clear, socket white, deep base	**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 B8-OM8, B4/B6-EIO or BX-IOM.
- Flashing frequency 0,5 or 1 Hz

Operating voltage:	17 to 60 V DC
Current consumption:	20 mA
Protection class: BC ESDA2000RRS / BC ESBA3000WWS BC ESDA2000RRD / BC ESBA3000WWD	 IP21C IP33C
Operating temperature:	-10°C to +55°C
Weight: BC ESDA2000RRS / BC ESBA3000WWS BC ESDA2000RRD / BC ESBA3000WWD	 170 g 220 g
Dimensions (ØxH): BC ESDA2000RRS / BC ESBA3000WWS BC ESDA2000RRD / BC ESBA3000WWD	 100 x 94 mm 100 x 117 mm
Material:	Polycarbonate
Color:	flame red (RAL 3000) signal white (RAL 9003)

Approvals

VdS-Approval: BC ESDA BC ESBA	 G 214107 G 214105
Declaration of Performance (DoP): BC ESDA BC ESBA	 0832-CPR-F0148 0832-CPR-F0009

Alarm Indication Modules

Loop flashlight — VdS — CE

BX-FOL-RR	red base, red	**20-2100009-01-09**
BX-FOL-WR	white base, red	**20-2100009-02-09**
BX-FOL-RO	red base, orange	**20-2100009-03-09**
BX-FOL-WO	white base, orange	**20-2100009-04-09**

Powered and driven by the loop. 2 flash frequencies (0,5 or 1 Hz), connectable to SecuriLine eXtended.

Operating voltage:	12 to 30 V DC
Current consumption:	3,7 mA
Protection class:	IP21
Operating temperature:	-10°C to +55°C
Weight:	110 g
Dimensions (ØxH):	93 x 54 mm
Material:	ABS
Color:	signal red (RAL 3001)
	signal white (RAL 9003)

Approvals

VdS-Approval:	G 210085
Declaration of Performance (DoP):	CPR-20-14-102

Flash Light [VdS] CE

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

Optical xenon alarm medium in a robust design for indoor and outdoor application. The red lens comes with red base only.
- Luminous intensity: red 4,8 cd

Operating voltage:	9 to 60 V DC
Current consumption:	93 mA
Protection class:	IP54 with special socket IP65
Operating temperature:	-25°C to +70°C
Weight:	150 g
Dimensions (ØxH):	93 x 63 mm
Material:	Polycarbonate/ABS

Approvals

VdS-Approval:	G 207018

Accessories		
Socket deep, red, IP65	SO/D/R	6800145
Socket deep, red, IP65, 230V	SO/D/R/230	6800147

Note:
Run out phase.

18.3. Combined Siren / Beacon

Combined Siren/Beacon wall mounted		VdS CE

	SBW ESFA1000RRS	lens red, socket red, shallow base	**30-6300009-01-01**
	SBW ESFA1000RRD	lens red, socket red, deep base	**30-6300009-02-01**
	SBW ESCA4000WWS	lens clear, socket white, shallow base	**30-6300009-03-01**
	SBW ESCA4000WWD	lens clear, socket white, deep base	**30-6300009-04-01**

The optical signal transmitter is **according to EN 54-23**. It serves to signal a fire alarm audibly and optically in buildings and can be connected to SecuriFire via B8-OM8, B4/B6-EIO or BX-IOM.
The signal transmitter can be mounted on the wall (category W)
-   Flashing frequency 0,5 or 1 Hz
-   Sound level of DIN tone 97 dB(A)
-   Acoustics according EN54-3

Operating voltage:	17 to 60 V DC
Current consumption:	25 mA
Protection class: SBW ESFA1000RRS / SBW ESCA4000WWS SBW ESFA1000RRD / SBW ESCA4000WWD Deep base for other installations independently tested to IP65 (not valid on EN54-3 or EN54-23)	IP21C IP33C
Operating temperature:	-10°C to +55°C
Weight: SBW ESFA1000RRS / SBW ESCA4000WWS SBW ESFA1000RRD / SBW ESCA4000WWD	170 g 220 g
Dimensions (ØxH): SBW ESFA1000RRS / SBW ESCA4000WWS SBW ESFA1000RRD / SBW ESCA4000WWD	100 x 100 mm 100 x 122 mm
Material:	Polycarbonate
Color:	flame red (RAL 3000) signal white (RAL 9003)

Approvals

VdS-Approval: SBW ESFA SBW ESCA	G 214108 G 214106
Declaration of Performance (DoP): SBW ESFA SBW ESCA	0832-CPR-F0149 0832-CPR-F0010

Combined Siren/Beacon ceiling mounted   VdS   C E

SBC ESFA2000RRS	lens red, socket red, shallow base	**30-6300010-01-01**
SBC ESFA2000RRD	lens red, socket red, deep base	**30-6300010-02-01**
SBC ESCA3000WWS	lens clear, socket white, shallow base	**30-6300010-03-01**
SBC ESCA3000WWD	lens clear, socket white, deep base	**30-6300010-04-01**

The optical signal transmitter is **according to EN 54-23.** It serves to signal a fire alarm audibly and optically in buildings and can be connected to SecuriFire via B8-OM8, B4/B6-EIO or BX-IOM.
The signal transmitter can be mounted on the ceiling (category C).
- Flashing frequency 0,5 or 1 Hz
- Sound level DIN tone 97 dB(A)
- Acoustics according EN54-3

Operating voltage:	17 to 60 V DC
Current consumption:	25 mA
Protection class: SBC ESFA2000RRS / SBC ESCA3000WWS SBC ESFA2000RRD / SBC ESCA3000WWD	IP21C IP33C
Operating temperature:	-10°C to +70°C
Weight: SBC ESFA2000RRS / SBC ESCA3000WWS SBC ESFA2000RRD / SBC ESCA3000WWD	220 g 270 g
Dimensions (ØxH): SBC ESFA2000RRS / SBC ESCA3000WWS SBC ESFA2000RRD / SBC ESCA3000WWD	100 x 95 mm 100 x 117 mm
Material:	Polycarbonate
Color:	flame red (RAL 3000) signal white (RAL 9003)

Approvals

VdS-Approval: SBC ESFA SBC ESCA	G 214108 G 214106
Declaration of Performance (DoP): SBC ESFA SBC ESCA	0832-CPR-F0147 0832-CPR-F0008

19. Room Indication Lamps

Room Indication Lamp			CE
	RAL 721	IP65	**210057**
	RAL 722	IP42	**210064**
	RAL 723	IP40	**246566**
	RAL 728EX	IP66	**10-2300010-01-01**
	RAL 730	IP42	**10-2300006-01-01**
	RAL 734	IP42	**10-2300004-01-01**

RAL 730

RAL 721

RAL 722

RAL 723

RAL 728 Ex

RAL 734

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.

Operating voltage: RAL 728EX	5 to 30 V DC 12 to 254 V AC/DC
Current consumption: RAL 730 RAL 721/ 722 / 723 RAL 728EX RAL 734	max. 1 mA max. 4.9 mA max. 15 mA max. 1.06 mA
Operating temperature:	-20°C to +60°C
Weight: RAL 730 RAL 721 RAL 722 RAL 723 RAL 728EX RAL 734	53 g 55 g 15 g 11 g 125 g 23 g
Dimensions (HxWxD): RAL 730 RAL 721 RAL 722 (ØxH) RAL 723 (ØxH) RAL 728EX RAL 734	85 x 85 x 30 mm 53 x 70 x 53 mm 20/16 x 68 mm 20/16 x 48,5 mm 80 x 93 x 92 mm 62 x 36.5 x 25.5 mm
Color (socket / lens): RAL 730 RAL 721 RAL 722 RAL 723 RAL 728EX RAL 734	Plastic PC, white / Plastic transparent, red Plastic PC, white / Plastic transparent, red Plastic, white / Plastic transparent, red Plastic, white / Plastic transparent, white Plastic PC, black / Plastic transparent, red Plastic PC, white / Plastic transparent, red

Accessories		
Raised floor console for RAL 722	HKS 718	144223
Bottom and Cover for RAL 730	RAL 730RHE	10-2300007-01-01

20. Special Detectors

Water sensor 12/24 V DC CE

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 changeover 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

Operating voltage:	12 to 24 V DC
Current consumption:	10 mA
Protection class:	IP65
Operating temperature:	-20°C to +60°C
Weight:	125 g
Dimensions with base (HxWxD):	48 x 112 x 25 mm

21. Overvoltage Protection Devices

Lightning and surge arrester combination device, type 1+2 (for PSU)	CE

FLT-SEC-T1+T2-1S-350/25-FM

30-6900078-01-01

Plug-in lightning and overvoltage arrester combination, in accordance with Type 1+2/Class I+II, for 1-phase power supply networks, with separate N and PE (L1, PE, N)
- IEC test classification T1+T2

Operating voltage:	240 VAC
Protection class:	IP20
Operating temperature:	-40°C to +80°C
Dimensions (HxWxD):	95,2 x 71,2 x 74,5 mm
Material:	PBT-FR
Color:	light grey (RAL 7035) traffic grey (RAL 7042)

Surge protection device, type 3 (for PSU)	CE
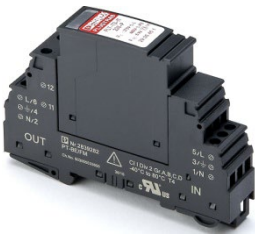
PLT-T3-IT-230-FM

30-6900079-01-01

Overvoltage protection type 3, as device protection for termination devices in IT systems, error indication and remote indicator contact.
- Surge voltage category III
- Pollution degree 2
- IEC test classification T3

Operating voltage:	230 VAC
Protection class:	IP20
Operating temperature:	-40°C to +70°C
Dimensions (HxWxD):	90 x 17,7 x 65,5 mm
Material:	PA 6.6
Color:	jet black (RAL 9005)

Surge protection device, class C1, C2, D1 (for DXI or LEExx)

CE

PT-IQ-4x1+F-24DC-PT

30-6900080-01-01

Overvoltage protection, consisting of protective plug and base element, with integrated multi-stage status indicator on the module for four signal wires with common reference potential. Indirect grounding via gas-filled surge arrester.

-   IEC test classification C1+C2+D1

Operating voltage:	24 V DC
Protection class:	IP20
Operating temperature:	-40°C to +80°C
Dimensions (HxWxD):	109,3 x 17,7 x 77,5 mm
Material:	PA 6.6
Color:	jet black (RAL 9005)

Surge protection device, class C1, C2, D1 (for Input, output or detector zones)

CE

PT-IQ-2x1+F-24DC-PT

30-6900081-01-01

Overvoltage protection, consisting of protective plug and base element, with integrated multi-stage status indicator on the module for two signal wires with common reference potential. Indirect grounding via gas-filled surge arrester.

-   IEC test classification C1+ C2+D1

Operating voltage:	24 V DC
Protection class:	IP20
Operating temperature:	-40°C to +80°C
Dimensions (HxWxD):	109,3 x 17,7 x 77,5 mm
Material:	PA 6.6
Color:	jet black (RAL 9005)

Surge protection device, class C1, C2, D1 (for MMI-Bus or SecuriLan)

CE

PT-IQ-5-HF+F-5DC-PT

30-6900082-01-01

Overvoltage protection, consisting of protective plug and base element, with integrated multi-stage status indicator on the module for five signal wires. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps).

-   IEC test classification C1+C2+D1

Operating voltage:	5 V DC
Protection class:	IP20
Operating temperature:	-40°C to +80°C
Dimensions (HxWxD):	109,3 x 17,7 x 77,5 mm
Material:	PA 6.6
Color:	jet black (RAL 9005)

Module for supply and remote signaling of connected surge protection devices

CE

Overvoltage Protection Devices

PT-IQ-PTB-PT   30-6900083-01-01

Controller for power supply and multi-stage, floating remote signalling of connected overvoltage protection modules.

Operating voltage:	30 VAC / 50 V DC
Protection class:	IP20
Operating temperature:	-40°C to +80°C
Dimensions (HxWxD):	109,3 x 17,7 x 77,5 mm
Material:	PA 6.6
Color:	jet black (RAL 9005)

Surge protection device, class C1, C2, D1 (for SecuriLan)

C€

TT-SLKK5-F/110A

30-6900084-01-01

Modular terminal block with gas-filled overvoltage arrester as coarse protection between clamping connector and DIN rail, separate PE connection, nominal voltage: 110 V AC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm
- IEC test classification C1+C2+D1

Operating voltage:	110 VAC / 150 V DC
Protection class:	IP20
Operating temperature:	-40°C to +80°C
Dimensions (HxWxD):	66,5 x 6,2 x 69,5 mm
Material:	PA
Color:	jet black (RAL 9005)

Accessories and Spare Parts for Overvoltage Protection Devices

Various spare parts

	Shield clamps for cable Ø 3-6 mm	SSA 3-6	30-6800068-01-01
	Housing with cap rail, transparent cover, IP66 Dimensions (HxWxD): 175 x 175 x 100 mm	GEH HS TP	30-6800070-01-01
	Housing with cap rail, non-transparent cover, IP66 Dimensions (HxWxD): 175 x 175 x 100 mm	GEH HS GS	30-6800070-02-01

22. Batteries

Backup Battery 12V / 6.5-7 Ah   VdS   CE

WP7-12A   **31-6800003-01-01**

Battery, Pb, 12V, 6.5 Ah capacity.
VdS approved

Weight:	2'200 g
Dimensions (HxWxD):	153 x 67 x 102 mm

Approvals

VdS-Approval:	G 114047

Backup Battery 12V / 10-12 Ah   VdS   CE

WP12-12A   **30-2310003-01-01**

Battery, Pb, 12V, 10 Ah capacity.
VdS approved

Weight:	4'000 g
Dimensions (HxWxD):	153 x 92 x 102 mm

Approvals

VdS-Approval:	G 114037

Backup Battery 12V / 16-18 Ah   VdS   CE

WP18-12SHR   **30-2310004-01-01**

Battery, Pb, 12V, 16 Ah capacity.
VdS approved

Weight:	6'000 g
Dimensions (HxWxD):	183 x 78 x 169 mm

Approvals

VdS-Approval:	G 114033

Backup Battery 12V / 24-27 Ah   VdS   CE

WP26-12   **30-2310005-01-01**

Battery, Pb, 12V, 24 Ah capacity.
VdS approved

Weight:	8'200 g
Dimensions (HxWxD):	168 x 177 x 127 mm

Approvals

VdS-Approval:	G 103065

Backup Battery 12V / 38-45 Ah   [VdS]   C E

WP45-12   30-2310006-01-01

Battery, Pb, 12V, 38 Ah capacity.
VdS approved

Weight:	17'000 g
Dimensions (HxWxD):	199 x 167 x 172 mm

Approvals

VdS-Approval:	G 182024

Backup Battery 12V / 65 Ah   [VdS]   C E

WP65-12   30-2310007-01-01

Battery, Pb, 12V, 65 Ah capacity.
VdS approved

Weight:	20'000 g
Dimensions (HxWxD):	174 x 350 x 166 mm

Approvals

VdS-Approval:	G 105088

23. Installation, Test and Commissioning Tools

23.1. Detector Test Equipment

Univ. Detector Remover, standard version
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 telescope pole series UTP

Weight:	ca. 350 g
Dimensions (ØxH):	98 × 232 mm

Univ. Detector Remover, cardan version
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 telescope pole series UTP

Weight:	540 g
Dimensions (ØxH):	148 × 247,5 mm

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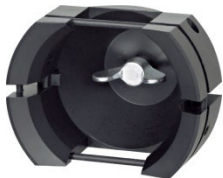
UDR 533 A   **5600094-0201**

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.

Weight:	160 g
Dimensions (ØxH):	98 × 62 mm

Univ. Detector Remover for 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

Weight:	160 g
Dimensions (ØxH):	97 x 62 mm

Detector remover for SecuriAir FDOOT271-O

FDUD291

20-3001151-01-01

The detector remover for SecuriAir radio fire detectors FDOOT271-O. It can be inserted into the adapter UTP 918 which can be mounted on the standard pole UTP 6 and UTP 7.

Weight:	594 g
Dimensions (HxWxD):	121 × 390 mm

Detector Test Equipment

Adapter and Extension Poles

	Adapter SOLO-Test pole to UDR 533	ASU 533	5600099-0201
	Universal Telescope pole 1,7 to 3,0 m	UTP 6	5600072
	Universal Telescope pole 2,2 to 4,0 m	UTP 7	5600073
	Adapter to mount the FDUD291 SecuriAir detector remover on the universal telescope pole UTP 6 and UTP 7	UTP 918	5600080
	Extension piece 1.35 m for UTP 6 and UTP 7. For working height up to: 6,0 m / 7,00 m	UTP 5	3330253

Installation, Test and Commissioning Tools

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

Weight:	360 g

CO test extension for FDT 533 CO-Set

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

Weight:	305 g

Test gas

PGF 918/5   **– Attention: Danger**

6900124

Regulation (EC) No. 1272/2008

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

Hazard statements:

H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
Dangerous goods may cause additional costs on airfreight.

CO Test gas

SOLO C3   **– Attention: Warning**

6800143

Regulation (EC) No. 1272/2008

For functional testing of CO detectors. Carbon monoxide is a highly toxic, colorless and odorless gas.

Hazard statements:

H229 Pressurised container: May burst if heated
Dangerous goods may cause additional costs on airfreight.

Smoke and Heat Det. Test Kit   CE

Testifire 1001		**6900451-0201**
Testifire 2001	Including carbon monoxide release for testing of CO detectors	**6900452-0201**

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 tester
- Activation via infrared sensor, no mechanical contact
- Multilanguage user menu on the display
- Battery powered, free movable device

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

Protection class:	IP20
Operating temperature:	-10 °C to +50 °C
Weight:	1200g
Dimensions (ØxH):	153 × 273 mm

Accessories and Spare Parts for Testifire

Testing Capsules

Smoke capsule for Testifire 1001 and 2001	Testifire TS3	6900453-0201
CO capsule for Testifire 2001	CO-Patrone TC3	6900454-0201

Batteries for Testifire

Battery baton for Testifire 1001 and 2001	Solo 770	30-6900100-01-01
Universal fast battery charger for Testifire 1001 and 2001	Solo 727	30-6900099-01-01

Telescopic and Extension Pole for Testifire

Fiberglass 4 Section Telescopic Pole - 4.5 m Accepts up to three Solo 101	Solo 100	6900459-0201
Fiberglass 2 Section Telescopic Pole - 2.5 m Accepts additional Solo 101	Solo 108	6900460-0201
Fiberglass Extension Pole - 1,13 m	Solo 101	6900461-0201

Storage Bags for Testifire

Bag for tester and access poles	Solo 610	6900457-0201
Separate Pole Carrying / Storage Bag for access poles	Solo 620	6900458-0201

23.1. Loop Test Equipment

Loop Test Board (incl. AC/DC adapter)	$C\epsilon$

STB 01X-E

50-1000004-02-04

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

Protection class:	IP20
Operating temperature:	+5 °C to +40 °C
Weight:	480 g
Dimensions (HxWxD):	220 × 116 × 95 mm
Material:	Polyamide
Color:	black grey (RAL 7021)

24. RAL-Colors

Multicolor products (MC) are available in 210 different RAL CLASSIC colors.
RAL colors with metallic contents and luminous colors are not available due to technical reasons.
- Metallic paints cause EMV discharge according to EN 61000-4-2.
- The luminous colors can be implemented only by repeated painting, instead of the usual 1-2 layers, up to 4-5 layers are required for the luminous colors. Therefore, it comes to complications when screwing the detector into the socket. Those lines are crossed-out.

Please order all MC variants with color and gloss level. Possible gloss levels are: semi-gloss and glossy.
Example:
RAL 6002 glossy

RAL Nr.	Description	RAL Nr.	Description	RAL Nr.	Description
RAL 1000	Green beige	RAL 3001	Signal red	RAL 5010	Gentian blue
RAL 1001	Beige	RAL 3002	Carmine red	RAL 5011	Steel blue
RAL 1002	Sand yellow	RAL 3003	Ruby red	RAL 5012	Light blue
RAL 1003	Signal yellow	RAL 3004	Purple red	RAL 5013	Cobalt blue
RAL 1004	Golden yellow	RAL 3005	Wine red	RAL 5014	Pigeon blue
RAL 1005	Honey yellow	RAL 3007	Black red	RAL 5015	Sky blue
RAL 1006	Maize yellow	RAL 3009	Oxide red	RAL 5017	Traffic blue
RAL 1007	Daffodil yellow	RAL 3011	Brown red	RAL 5018	Turquoise blue
RAL 1011	Brown beige	RAL 3012	Beige red	RAL 5019	Capri blue
RAL 1012	Lemon yellow	RAL 3013	Tomato red	RAL 5020	Ocean blue
~~RAL 1013~~	~~Oyster white~~	RAL 3014	Antique pink	RAL 5021	Water blue
RAL 1014	Ivory	RAL 3015	Light pink	RAL 5022	Night blue
RAL 1015	Light ivory	RAL 3016	Coral red	RAL 5023	Distant blue
RAL 1016	Sulfur yellow	RAL 3017	Rose	RAL 5024	Pastel blue
RAL 1017	Saffron yellow	RAL 3018	Strawberry red	~~RAL 5025~~	~~Pearl gentian blue~~
RAL 1018	Zinc yellow	RAL 3020	Traffic red	~~RAL 5026~~	~~Pearl night blue~~
RAL 1019	Grey beige	RAL 3022	Salmon pink	RAL 6000	Patina green
RAL 1020	Olive yellow	~~RAL 3024~~	~~Luminous red~~	RAL 6001	Emerald green
RAL 1021	Rape yellow	~~RAL 3026~~	~~Luminous bright red~~	RAL 6002	Leaf green
RAL 1023	Traffic yellow	RAL 3027	Raspberry red	RAL 6003	Olive green
RAL 1024	Ochre yellow	RAL 3031	Orient red	RAL 6004	Blue green
~~RAL 1026~~	~~Luminous yellow~~	~~RAL 3032~~	~~Pearl ruby red~~	RAL 6005	Moss green
RAL 1027	Curry	~~RAL 3033~~	~~Pearl pink~~	RAL 6006	Grey olive
RAL 1028	Melon yellow	RAL 4001	Red lilac	RAL 6007	Bottle green
RAL 1032	Broom yellow	RAL 4002	Red violet	RAL 6008	Brown green
RAL 1033	Dahlia yellow	RAL 4003	Heather violet	RAL 6009	Fir green
RAL 1034	Pastel yellow	RAL 4004	Claret violet	RAL 6010	Grass green
~~RAL 1035~~	~~Pearl beige~~	RAL 4005	Blue lilac	RAL 6011	Reseda green
~~RAL 1036~~	~~Pearl gold~~	RAL 4006	Traffic purple	RAL 6012	Black green
RAL 1037	Sun yellow	RAL 4007	Purple violet	RAL 6013	Reed green
RAL 2000	Yellow orange	RAL 4008	Signal violet	RAL 6014	Yellow olive
RAL 2001	Red orange	RAL 4009	Pastel violet	RAL 6015	Black olive
RAL 2002	Vermilion	RAL 4010	Telemagenta	RAL 6016	Turquoise green
RAL 2003	Pastel orange	~~RAL 4011~~	~~Pearl violet~~	RAL 6017	May green
RAL 2004	Pure orange	~~RAL 4012~~	~~Pearl blackberry~~	RAL 6018	Yellow green
~~RAL 2005~~	~~Luminous orange~~	RAL 5000	Violet blue	RAL 6019	Pastel green
~~RAL 2007~~	~~Luminous bright orange~~	RAL 5001	Green blue	RAL 6020	Chrome green
RAL 2008	Bright red orange	RAL 5002	Ultramarine blue	RAL 6021	Pale green
RAL 2009	Traffic orange	RAL 5003	Sapphire blue	RAL 6022	Olive drab
RAL 2010	Signal orange	RAL 5004	Black blue	RAL 6024	Traffic green
RAL 2011	Deep orange	RAL 5005	Signal blue	RAL 6025	Fern green
RAL 2012	Salmon orange	RAL 5007	Brilliant blue	RAL 6026	Opal green
~~RAL 2013~~	~~Pearl orange~~	RAL 5008	Grey blue	RAL 6027	Light green
RAL 3000	Flame red	RAL 5009	Azure blue	RAL 6028	Pine green

RAL Nr.	Description
RAL 6029	Mint green
RAL 6032	Signal green
RAL 6033	Mint turquoise
RAL 6034	Pastel turquoise
~~RAL 6035~~	~~Pearl green~~
~~RAL 6036~~	~~Pearl opal green~~
RAL 7000	Squirrel grey
RAL 7001	Silver grey
RAL 7002	Olive grey
RAL 7003	Moss grey
RAL 7004	Signal grey
RAL 7005	Mouse grey
RAL 7006	Beige grey
RAL 7008	Khaki grey
RAL 7009	Green grey
RAL 7010	Tarpaulin grey
RAL 7011	Iron grey
RAL 7012	Basalt grey
RAL 7013	Brown grey
RAL 7015	Slate grey
RAL 7016	Anthracite grey
RAL 7021	Black grey
RAL 7022	Umbra grey
RAL 7023	Concrete grey
RAL 7024	Graphite grey
RAL 7026	Granite grey

RAL Nr.	Description
RAL 7030	Stone grey
RAL 7031	Blue grey
RAL 7032	Pebble grey
RAL 7033	Cement grey
RAL 7034	Yellow grey
RAL 7035	Light grey
RAL 7036	Platinum grey
RAL 7037	Dusty grey
RAL 7038	Agate grey
RAL 7039	Quartz grey
RAL 7040	Window grey
RAL 7042	Traffic grey A
RAL 7043	Traffic grey B
RAL 7044	Silk grey
RAL 7045	Telegrey 1
RAL 7046	Telegrey 2
RAL 7047	Telegrey 4
~~RAL 7048~~	~~Pearl mouse grey~~
RAL 8000	Green brown
RAL 8001	Ochre brown
RAL 8002	Signal brown
RAL 8003	Clay brown
RAL 8004	Copper brown
RAL 8007	Fawn brown
RAL 8008	Olive brown
RAL 8011	Nut brown

RAL Nr.	Description
RAL 8012	Red brown
RAL 8014	Sepia brown
RAL 8015	Chestnut brown
RAL 8016	Mahogany brown
RAL 8017	Chocolate brown
RAL 8019	Grey brown
RAL 8022	Black brown
RAL 8023	Orange brown
RAL 8024	Beige brown
RAL 8025	Pale brown
RAL 8028	Terra brown
~~RAL 8029~~	~~Pearl copper~~
RAL 9001	Cream
RAL 9002	Grey white
RAL 9003	Signal white
RAL 9004	Signal black
RAL 9005	Jet black
~~RAL 9006~~	~~White aluminium~~
~~RAL 9007~~	~~Grey aluminium~~
RAL 9010	Pure white
RAL 9011	Graphite black
RAL 9016	Traffic white
RAL 9017	Traffic black
RAL 9018	Papyrus white
~~RAL 9022~~	~~Pearl light grey~~
~~RAL 9023~~	~~Pearl dark grey~~

25. Product Index

Product Index

Product Index