Cerberus PRO
product catalog

Fire safety products and accessories
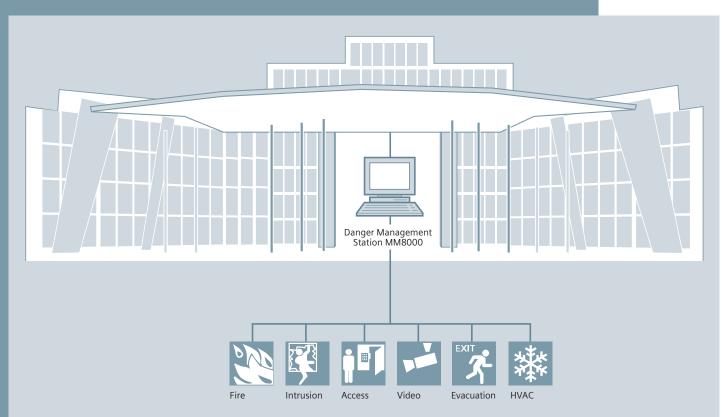
Answers for infrastructure.

SIEMENS

Everything you need for fire safety and security

From fire protection and fire detection to safety and security – Siemens offers a comprehensive portfolio for security needs from one source.

Danger Management Station MM8000

| Fire | Intrusion | Access | Video | Evacuation | HVAC |

Fire safety and security

Whatever your requirements, Siemens provides a comprehensive portfolio for all fire safety and security needs.

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Cerberus PRO – enjoy protecting

Powerful control panels, clever fire detectors and smart peripheral devices. This is what our comprehensive Cerberus® PRO family offers. The brief overview below demonstrates the most important system components.

Siemens Danger Management System

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BACnet/IP

Fault transmission

Alarm transmission

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Fire control panel FC722

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Mimic display driver FT2001-A1

Manual release

Compatibility chart

	Addressable devices							
	Optical detector	Multi-sensor detector	Heat detectors		Manual call points			
	OP720	OH720	HI720 static and rate of rise	HI722 static	FDM221	FDM225/FDM226	FDM224/FDM224H	FDM223/FDM223H
Stand-alone addressable fire control panel								
FC721 (1 loop)	■	■	■	■	■	■	■	■
Networkable addressable fire control panels								
FC722 (2 loop)	■	■	■	■	■	■	■	■
FC724 (4 loop)	■	■	■	■	■	■	■	■
Conventional fire control panels								
Genesis (1 zone)								
FC10 (2 – 12 zones)								
Conventional extinguishing control panel								
XC10								
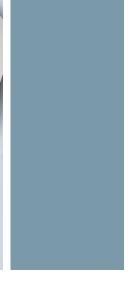
■ Compatible
(■) Compatible with an interface

	Conventional and collective devices										Special applications				
	Optical detectors			Multi-sensor detector	Heat detectors				Manual call points		Special detectors				
	OP320C	DO1101A harsh environment	DO1104A high sensitivity	OH320C	HI322C rate of rise and maximum	HI322C maximum	DT1101A rate of rise, harsh environment	DT1102A rate of rise and max, harsh environm.	DM1101/FDM1101A/FDM1101	DM1103 (IP65)/DM1104 (IP65)	FDF221-9 Infrared flame detector, single channel	FDF241-9 Infrared flame detector, three channel	FDL241-9 Linear smoke detector	LaserFOCUS VLF-250/VLF-500 Aspirating smoke detection	Ex-detectors
	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	(■)
	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	(■)
	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	(■)
	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	■	■	■	■	■	■	■	■	■	■	■	■	■	■	(■)
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Protecting people and assets reliably

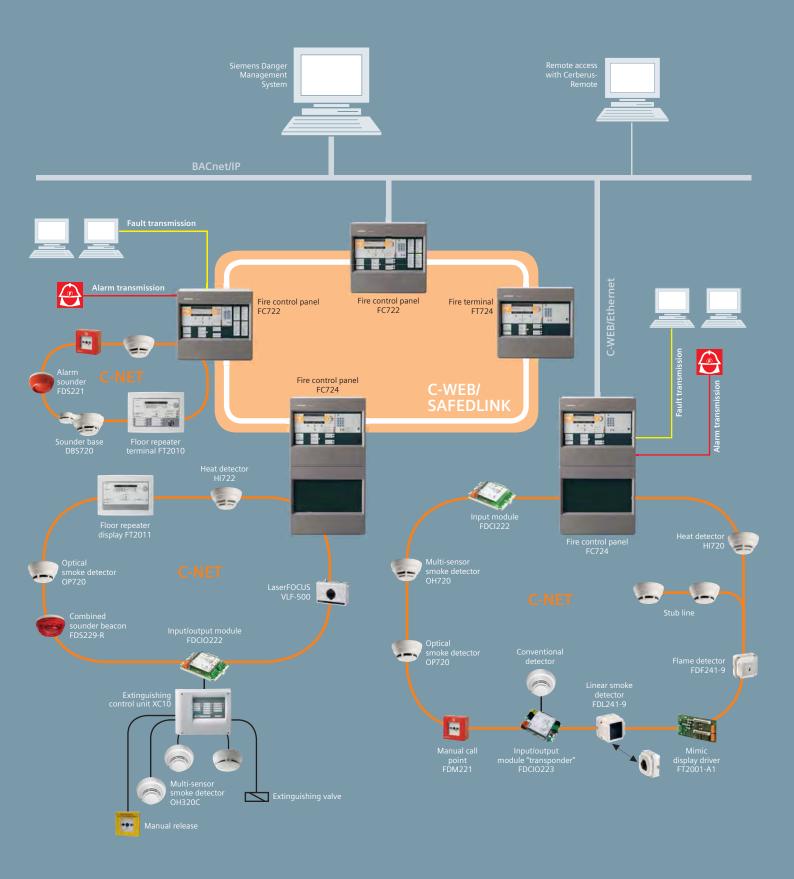**Protecting people and assets. Securing business processes and continuity. This is what fire protection is all about. Cerberus PRO is a powerful fire protection system for fast, reliable fire detection, alarm signaling and control. Its wide portfolio of innovative products provides clever technology with extensive safety features. In addition, Cerberus PRO can be installed easily and safely.**

■ **Protecting people and assets reliably with Siemens products**

The Cerberus PRO family comprises different control panels, fire detectors and peripheral devices and accessories. They all have one thing in common: smart, unique safety features. For example, all peripheral devices, even fire terminals, have built-in isolators. Thus, even with faults such as an open or a short circuit the system remains fully operational and faults can be quickly located. Degrade mode functionality is integrated throughout the system, ensuring detection, control, alarming and fire brigade communication even in the event of a processor failure.

Cerberus PRO fire detectors also increase safety thanks to their distributed intelligence: important decisions are made on the spot in the detector. As a result, non-shielded cabling can be used, making Cerberus PRO easy to plan and install. In short: Cerberus PRO is the smart answer to your fire safety needs.

■ **Creating networks in various sizes**

Cerberus PRO is a straightforward fire protection system. It offers all from stand-alone to networkable control panels. Even campus-wide networks can be easily realized with little additional planning. The

uniform hardware concept of the control panels also facilitates the planning process. Cerberus PRO can be integrated into existing IT network structures. Information can then be distributed across the network, further enhancing system usability.

Start-up of the system is safe and easy thanks to auto-configuration. This function enables instant fire protection during the construction phase, supporting on-time hand-over of buildings. Moreover, Cerberus PRO can be integrated into the Siemens Danger Management System via BACnet. You can thus integrate fire protection with other security-related subsystems such as access control or Siemens intrusion detection. Your benefit: All solutions follow the same philosophy, as all come from one source.

■ **Relying on experience**

Siemens is known for innovation power, technology leadership and high quality. We were the first manufacturer to offer automatic fire detectors. Our products are backed by decades of experience and know-how. We will continue to further extend our Cerberus PRO product portfolio. Compatibility of all future add-ons is a matter of course – making Cerberus PRO a safe investment.

Highlights

■ Smart, unique safety features – such as built-in isolators and integrated degrade mode

■ Easy planning – even for campus-wide networks

■ Safe and easy system start-up – thanks to auto-configuration

■ Integration into the Siemens Danger Management System possible – via standard BACnet interface

■ Broad range of fire detectors – to cover various requirements'

■ Cerberus PRO portfolio – reliable, high-quality products from Siemens
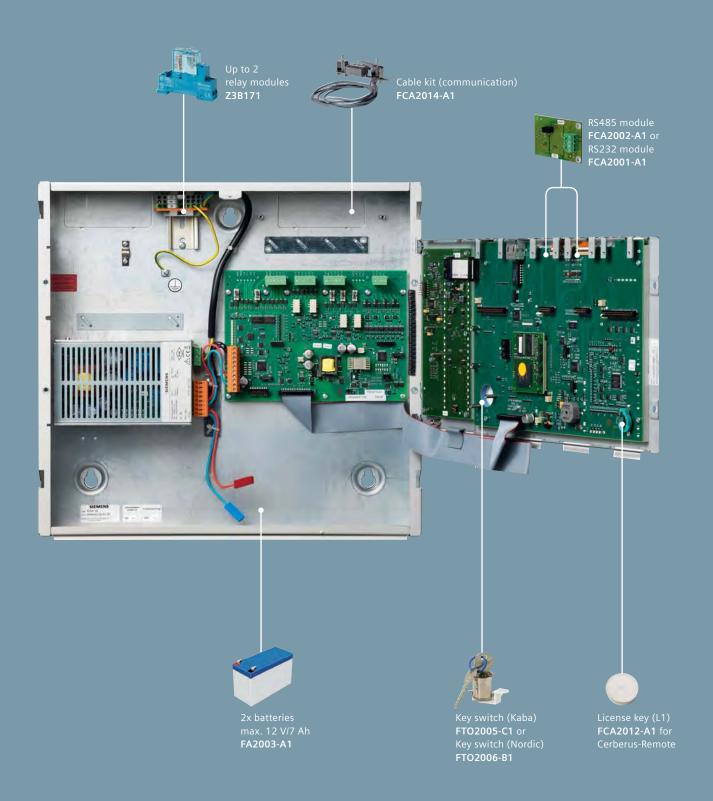
Ensuring comprehensive safety with powerful panels

Cerberus PRO fire control panels combine high security standards with the latest technology. Competitive for simple applications, yet powerful enough for every application – they are the ideal choice whatever the size and complexity of a project. The Cerberus PRO family offers three models, covering small, medium or large application areas. They can either stand alone or be networked via C-WEB into a larger system. Furthermore, all panels can be accessed either remotely or on site.

- A competitive range of control panels – with unique features to put the system into operation quickly and safely
- Networking possibilities – even campus-wide networks can be realized
- Easy and intuitive to operate – to ensure right action in case of an event
- Remote access – for remote and cost-efficient servicing
- Up to 16 control panels can be connected via C-WEB – in a redundant, EN 54-approved network with network nodes for more than 512 devices
- Fire terminals for additional, remote system user interfaces – such as in the security monitoring room or the reception area
- Simple networking of control panels and fire terminals (C-WEB/SAFEDLINK)
- Expandable networking via Ethernet (C-WEB/Ethernet)

Stand-alone addressable fire control panel FC721*

Up to 2
relay modules
Z3B171

Cable kit (communication)
FCA2014-A1

RS485 module
FCA2002-A1 or
RS232 module
FCA2001-A1

2x batteries
max. 12 V/7 Ah
FA2003-A1

Key switch (Kaba)
FTO2005-C1 or
Key switch (Nordic)
FTO2006-B1

License key (L1)
FCA2012-A1 for
Cerberus-Remote

* Control panel shown with 24 indicator groups,
  each with one red and one yellow LED

Type		Order No.

FC721..	**Fire control panel (1-loop) in housing (Eco)**	FC721..

The FC721.. is a compact fire control panel with integrated operating unit that can process signals from Cerberus PRO devices of up to 126 addresses.
The fire control panel may be used as a stand-alone unit only.
In addition, an Ethernet connection is available at each station. Via this fast Ethernet interface remote control service is possible. All detector lines are monitored for ground faults.
The Cerberus-Engineering-Tool permits the system to be adapted to specific customers' requirements. Up to 2000 events can be stored according to various criteria. Automatic summer/winter change. Detection and automatic read-in (auto-configuration) of all C-NET devices, providing immediate simple operation. Stored data can be uploaded via Cerberus-Remote access.
The FC721.. is ideally suited for smaller applications, e.g. in workshops, hotels, etc.
The expansion and accessories must be ordered separately.

Detector compatibility	Cerberus PRO FD720
Number of addresses	max. 126
Number of detector lines	1 loop or 2 stub lines
Programmable input/output	4
Relay outputs	1 x RT alarm
	1 x RT fault
Supervised output	1 x RT alarm
	1 x RT fault
	1 x Horn
Mains voltage	85... 265 VAC
Operating voltage	21... 28.6 VDC
Operating current	max. 2.5 A
Power supply	70 W
Emergency power supply	up to 72 h (optional)
Battery capacity	2 x 12 V, 7 Ah
Plug-in position	1 -> for serial interface RS232 or RS485
Operating temperature	-8... +42 °C
Storage temperature	-20... +60 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP30
Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm
Data sheet	A6V10203220

Type			Order No.
FC721-ZZ	**Fire control panel (1-loop) in housing (Eco)**		**S54400-C32-A2**
	See FC721.. for technical overview and note the additional / other specifications:		
	Expansion	FCA2012-A1 License key (L1) FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard)	
	Accessories	FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module FHA2016-A1 19" mounting kit FCA2014-A1 Cable kit (Communication) DL3750+ Matrix printer (Extern)	
FC721-YZ	**Fire control panel (1-loop) in housing (Eco) with 1 LED indicator**		**S54400-C32-A3**
	See FC721.. for technical overview and note the additional / other specifications:		
	With 24 indicator groups, each with one red and one yellow LED.		
	Expansion	FCA2012-A1 License key (L1) FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard)	
	Accessories	FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module FHA2016-A1 19" mounting kit FCA2014-A1 Cable kit (Communication) DL3750+ Matrix printer (Extern)	

Type		Order No.
FC721-HZ	**Fire control panel (1-loop) in housing (Eco) with EVAC operating unit**	**S54400-C32-A1**
	See FC721.. for technical overview and note the additional / other specifications:	
	With 10 evacuation operating zones for Netherlands.	
	Expansion	FCA2012-A1 License key (L1) FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard)	
	Accessories	FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module FHA2016-A1 19" mounting kit FCA2014-A1 Cable kit (Communication) DL3750+ Matrix printer (Extern)	

Type		Order No.
FCA2012-A1	**License key (L1)**	A5Q00018856
	iButton with license for: Sinteso -> SintesoView Cerberus PRO -> Cerberus-Remote Only one license key is applicable per station.	
FCA2001-A1	**RS232 module (isolated)**	A5Q00005327
	Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back side of the operating unit. RS232 module incl. 1 EMC screwed cable gland M10 x 1.5.	
	Cable capacity	0.2...1.5 mm^2	
	Dimensions (W x H x D)	50 x 15 x 70 mm	
FCA2002-A1	**RS485 module (isolated)**	A5Q00009923
	Module for periphery devices with RS485 interface, e.g. for FAT (GER). Plugged into the back side of the operating unit. RS485 module incl. 1 EMC screwed cable gland M10 x 1.5.	
	Cable capacity	0.2...1.5 mm^2	
	Dimensions (W x H x D)	50 x 15 x 70 mm	
FH7201-Z3	**Housing (Eco)**	S54400-B72-A1
	Empty housing for open use, e.g. power supply kit with batteries, operating add-on, event printer or mimic display.	
	Cabinet dimensions (W x H x D)	430 x 398 x 80 mm	
	Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
	Protection category	IP30	
	Integral battery space	2 x FA2003-A1 (7 Ah)	
	Expansion	FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED ind.) FP2003-A1 Power supply kit (70 W)	

Type		Order No.
FH7202-Z3	**Housing (Standard)**	S54400-B70-A1
	Empty housing for open use, e.g. power supply kit with batteries, operating add-on or for the event printer.	

Cabinet dimensions (W x H x D)	430 x 398 x 160 mm	
Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
Protection category	IP30	
Integral battery space	2 x FA2003-A1 (7 Ah) or 2 x FA2004-A1 (12 Ah) or 2 x FA2006-A1 (26 Ah)	
Expansion	FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED ind.) FP2003-A1 Power supply kit (70 W) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B)	

Type		Order No.
FTO2001-A1	**Event printer**	A5Q00010126
	The event printer is a thermal printer that logs alarms, faults and general messages. The event printer can be used in all control panels if space is available. The RS232 module is required to operate the printer. Event printer includes cables for interface and power supply and a paper roll. The RS232 module FCA2001-A1 must be ordered separately.	

Operating voltage	9... 48 VDC
Quiescent current	50 mA
Operating current	3 A @ 9 VDC 0.7 A @ 48 VDC
Interface	RS232 serial
Operating temperature	0... +50 °C
Storage temperature	-20... +70 °C
Relative humidity	≤95 % (no condensation)
Dimensions (W x H x D)	85 x 85 x 55 mm

Type		Order No.
FP2003-A1	**Power supply kit (70 W)**	A5Q00016005
	Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.	

Supply voltage	85... 265 VAC
Power consumption	max. 90 VA
Current	0.5... 1 A
Dimensions (W x H x D)	95 x 170 x 54 mm

Type		Order No.
FP2004-A1	**Power supply kit (150 W, A)**	A5Q00020825
	Power supply kit (150 W, A) as auxiliary power supply for installation into empty housings. Converts mains voltage to system voltage. Monitors mains voltage and batteries.	

Supply voltage	115/230 VAC
Power consumption	max. 300 VA
Current	2.6 / 1.2 A
Dimensions (W x H x D)	130 x 150 x 70 mm

Type		Order No.
FTO2005-C1	**Key switch (Kaba)**	**A5Q00010113**
	Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).	
FTO2006-B1	**Key switch (Nordic)**	**A5Q00010129**
	Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).	
Z3B171	**Relay module with 1 contact**	**BPZ:4843830001**
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A	
	Delivery unit 10 pieces	
FHA2016-A1	**19" mounting kit**	**A5Q00020179**
	To install fire control panels and fire terminals in a 19" third-party housing.	
	Dimensions (W x H x D) 430 x 100 x 324 mm	
FCA2014-A1	**Cable kit (communication)**	**A5Q00023027**
	For flexible cable connections to the modules on the PMI-& main board.	

Type	Order No.

DL3750+

Matrix printer external

A5Q00023962

The Fujitsu DL3750+ is a compact, noiseless A4 matrix printer. It is used for documenting relevant information in a system on continuous paper. The printer is constantly supervised by the fire control panel. The type of events to be printed is configurable. It offers a maximum of speed and reliability.
The RS232 module FCA2001-A1 is required to operate the printer and must be ordered separately.

Number of copies	5 incl. original
Character set	6
Resolution	360 x 360 dpi
Interface	RS232 or Ethernet (via Print-Server PS01a)
Operating temperature	+5... +38 °C
Storage temperature	-15... +60 °C
Relative humidity	≤95 % (no condensation)
Dimensions (W x H x D)	415 x 120 x 330 mm

CerberusVorlage Tutor
File   Cerberus-Remote   Op

Cerberus-Remote

003
C-N

Line
Line
Line

Control function A
Programmable 2
Programmable 3
Programmable 4

FAULT
ISOLATION
DETECTOR TEST

System
On
Fault

Cerberus PRO – ensuring comprehensive safety with powerful panels

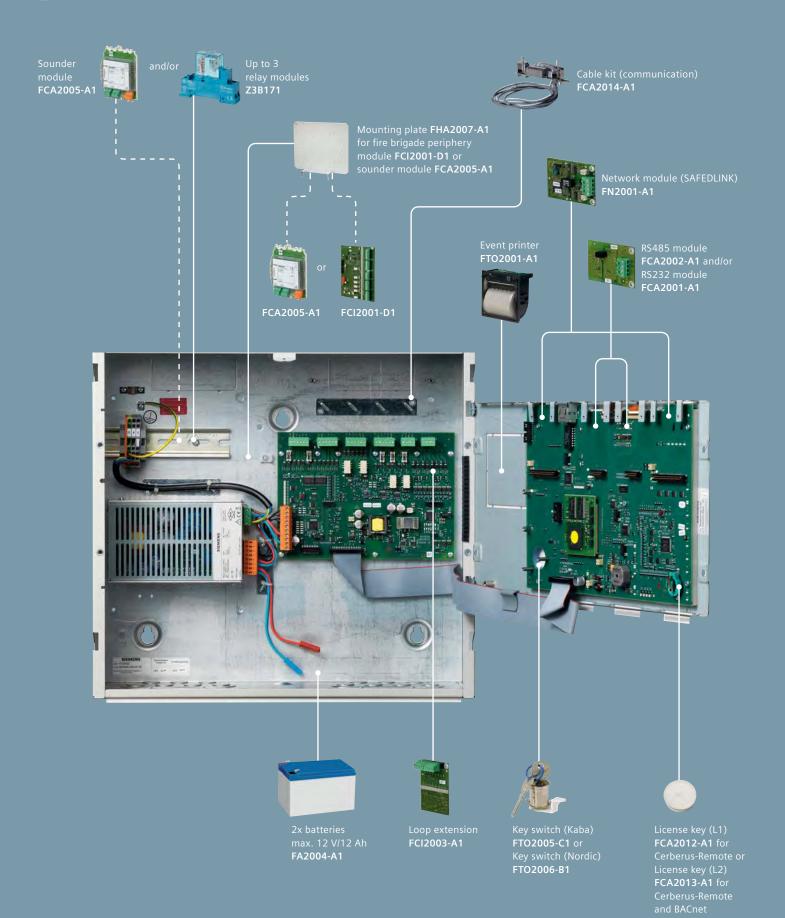**Combining high security standards with the latest technology**

Whether small or large networks – with Cerberus PRO, you always have the right control panel at hand. They are competitive for simple applications, yet powerful enough for every application, which makes them the ideal choice whatever the size and complexity of your project. Moreover, the control panels also offer a great number of safety features such as the degrade mode, which ensures that alarms are still transmitted even if a panel should fail. Cerberus PRO control panels are also easy and intuitive to operate. In the event of an alarm, customized intervention texts facilitate correct actions. An important factor especially in stressful emergency situations when quick and reliable action is essential to save people and assets. You see, Cerberus PRO control panels are always a clever solution. For more information, please visit
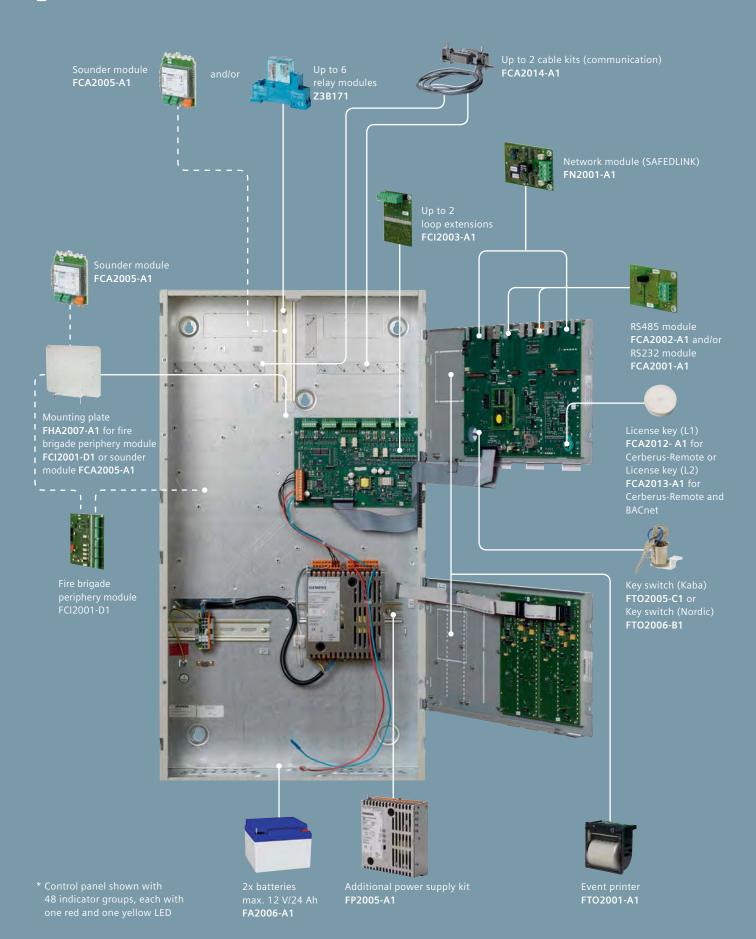**www.siemens.com/cerberus**

Answers for infrastructure.

SIEMENS

Networkable addressable fire control panel FC722 Standard

Sounder module **FCA2005-A1**

and/or

Up to 3 relay modules **Z3B171**

Mounting plate **FHA2007-A1** for fire brigade periphery module **FCI2001-D1** or sounder module **FCA2005-A1**

Cable kit (communication) **FCA2014-A1**

FCA2005-A1   or   **FCI2001-D1**

Network module (SAFEDLINK) **FN2001-A1**

Event printer **FTO2001-A1**

RS485 module **FCA2002-A1** and/or RS232 module **FCA2001-A1**

2x batteries max. 12 V/12 Ah **FA2004-A1**

Loop extension **FCI2003-A1**

Key switch (Kaba) **FTO2005-C1** or Key switch (Nordic) **FTO2006-B1**

License key (L1) **FCA2012-A1** for Cerberus-Remote or License key (L2) **FCA2013-A1** for Cerberus-Remote and BACnet

Networkable addressable fire control panel FC722 Comfort*

Sounder module
FCA2005-A1

and/or

Up to 6
relay modules
Z3B171

Up to 2 cable kits (communication)
FCA2014-A1

Network module (SAFEDLINK)
FN2001-A1

Up to 2
loop extensions
FCI2003-A1

Sounder module
FCA2005-A1

RS485 module
FCA2002-A1 and/or
RS232 module
FCA2001-A1

Mounting plate
FHA2007-A1 for fire
brigade periphery module
FCI2001-D1 or sounder
module **FCA2005-A1**

License key (L1)
FCA2012- A1 for
Cerberus-Remote or
License key (L2)
FCA2013-A1 for
Cerberus-Remote and
BACnet

Fire brigade
periphery module
FCI2001-D1

Key switch (Kaba)
FTO2005-C1 or
Key switch (Nordic)
FTO2006-B1

* Control panel shown with
48 indicator groups, each with
one red and one yellow LED

2x batteries
max. 12 V/24 Ah
FA2006-A1

Additional power supply kit
FP2005-A1

Event printer
FTO2001-A1

Type		Order No.
FC722..	**Fire control panel (2-loop) in housing (Standard)**	**FC722..**

The FC722.. (2-loop, expandable to 4) is a compact fire control panel with an integrated operating unit that can process signals from Cerberus PRO devices of up to 252 addresses. The fire control panel can be used as a stand-alone version or networked. It can be programmed with a user-friendly Cerberus-Engineering-Tool to create a system with great versatility. Up to 16 stations such as fire control panels and fire terminals (in any arrangement) can be connected in one network. In addition, an Ethernet connection is available at each station. This Ethernet connection enables a maximum of 4 stations including a Central Access Point 'CAP' (via Hub) to be networked together (not EN54-compliant).
Connection to Siemens Danger Management System via BACnet.
All detector lines are monitored for ground faults.
Adaptation of the user text directly on the terminal or with the Cerberus-Engineering-Tool. Up to 2000 events can be stored according to various criteria. Automatic summer/winter time change.
Detection and automatic read-in (auto configuration) of all C-NET devices, providing immediate simple operation.
Stored data can be uploaded via Cerberus-Remote access.
The FC722.. is ideally suited for applications, e.g. in workshops, hotels, etc. or when networked as part of much larger applications. The FC722.. with flexible cross-linking possibilities can also be used for extensive systems.
The expansion and accessories must be ordered separately.

Detector compatibility	Cerberus PRO FD720
Number of addresses	max. 252
Number of detector lines	2 (4) loops or 4 (8) stub lines
Programmable input/output	8
Relay outputs	1 x RT alarm
	1 x RT fault
Supervised output	1 x RT alarm
	1 x RT fault
	1 x horn
Emergency power supply	up to 72 h (optional)
Plug-in position	2 -> for serial interfaces RS232, RS485
	2 -> for network modules
	1 -> for loop extension (C-NET)
Operating temperature	-8... +42 °C
Storage temperature	-20... +60 °C
Relative humidity	≤95% (no condensation)
Protection category	IP30
Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00
Data sheet	A6V10206525

Type		Order No.
FC722-ZZ	**Fire control panel (2-loop) in housing (Standard)**	**S54400-C29-A5**

See FC722.. for technical overview and note the additional / other specifications:

Mains voltage	85... 265 VAC
Operating voltage	21... 28.6 VDC
Operating current	max. 2.5 A
Power supply	70 W
Battery capacity	2 x 12 V, 7... 12 Ah
Cabinet dimensions (W x H x D)	430 x 398 x 160 mm
Expansion	FCA2012-A1 License key (L1)
	FCA2013-A1 License key (L2)
	FTO2001-A1 Event printer
	FHA2007-A1 Mounting plate
	FCI2001-A1 Fire brigade periphery module kit
	FCA2005-A1 Sounder module
	FN2001-A1 Network module (SAFEDLINK)
	FN2002-A1 Repeater (SAFEDLINK)
	FCA2001-A1 RS232 module (isolated)
	FCA2002-A1 RS485 module (isolated)
	FCI2003-A1 Loop extension (FDnet/C-NET)
	FH7202-Z3 Housing (Standard)
	FH7203-Z3 Housing (Comfort)
Accessories	FTO2005-C1 Key switch (Kaba)
	FTO2006-B1 Key switch (Nordic)
	Z3B171 Relay module
	FHA2016-A1 19" mounting kit
	FCA2014-A1 Cable kit (communication)
	DL3750+ Matrix printer (Extern)

FC72x Compact Networkable Fire Control Panels
FC722 Series

Type		Order No.
FC722-YZ	**Fire control panel (2-loop) in housing (Standard) with 1 LED indicator**	**S54400-C29-A4**

See FC722.. for technical overview and note the additional / other specifications:

With 24 indicator groups, each with one red and one yellow LED.

Mains voltage	85... 265 VAC
Operating voltage	21... 28.6 VDC
Operating current	max. 2.5 A
Power supply	70 W
Battery capacity	2 x 12 V, 7... 12 Ah
Cabinet dimensions (W x H x D)	430 x 398 x 160 mm
Expansion	FCA2012-A1 License key (L1)
	FCA2013-A1 License key (L2)
	FHA2007-A1 Mounting plate
	FCI2001-A1 Fire brigade periphery module kit
	FCA2005-A1 Sounder module
	FN2001-A1 Network module (SAFEDLINK)
	FN2002-A1 Repeater (SAFEDLINK)
	FCA2001-A1 RS232 module (isolated)
	FCA2002-A1 RS485 module (isolated)
	FCI2003-A1 Loop extension (FDnet/C-NET)
	FH7202-Z3 Housing (Standard)
	FH7203-Z3 Housing (Comfort)
Accessories	FTO2005-C1 Key switch (Kaba)
	FTO2006-B1 Key switch (Nordic)
	Z3B171 Relay module
	FHA2016-A1 19" mounting kit
	FCA2014-A1 Cable kit (communication)
	DL3750+ Matrix printer (Extern)

Type		Order No.

FC722-ZA

Fire control panel (2-loop) in housing (Comfort)

S54400-C29-A2

See FC722.. for technical overview and note the additional / other specifications:

Mains voltage	230 VAC
Operating voltage	21... 28.4 VDC
Operating current	max. 5 A
Power supply	150 W
Battery capacity	2 x 12 V, 26 Ah
Cabinet dimensions (W x H x D)	430 x 796 x 160 mm
Expansion	FCA2012-A1 License key (L1)
	FCA2013-A1 License key (L2)
	FTO2001-A1 Event printer
	FHA2007-A1 Mounting plate
	FCI2001-A1 Fire brigade periphery module kit
	FCA2005-A1 Sounder module
	FN2001-A1 Network module (SAFEDLINK)
	FN2002-A1 Repeater (SAFEDLINK)
	FP2005-A1 Power supply kit (150 W, B)
	FCA2001-A1 RS232 module (isolated)
	FCA2002-A1 RS485 module (isolated)
	FCI2003-A1 Loop extension (FDnet/C-NET)
	FH7202-Z3 Housing (Standard)
	FH7203-Z3 Housing (Comfort)
Accessories	FTO2005-C1 Key switch (Kaba)
	FTO2006-B1 Key switch (Nordic)
	Z3B171 Relay module
	FHA2016-A1 19" mounting kit
	FCA2014-A1 Cable kit (communication)
	DL3750+ Matrix printer (Extern)

Type		Order No.
FC722-ZE	**Fire control panel (2-loop) in housing (Comfort) with 2 LED indicators**	**S54400-C29-A1**

See FC722.. for technical overview and note the additional / other specifications:

With 48 indicator groups, each with one red and one yellow LED.

Mains voltage	230 VAC
Operating voltage	21... 28.4 VDC
Operating current	max. 5 A
Power supply	150 W
Battery capacity	2 x 12 V, 26 Ah
Cabinet dimensions (W x H x D)	430 x 796 x 160 mm
Expansion	FCA2012-A1 License key (L1)
	FCA2013-A1 License key (L2)
	FTO2001-A1 Event printer
	FHA2007-A1 Mounting plate
	FCI2001-A1 Fire brigade periphery module kit
	FCA2005-A1 Sounder module
	FN2001-A1 Network module (SAFEDLINK)
	FN2002-A1 Repeater (SAFEDLINK)
	FP2005-A1 Power supply kit (150 W, B)
	FCA2001-A1 RS232 module (isolated)
	FCA2002-A1 RS485 module (isolated)
	FCI2003-A1 Loop extension (FDnet/C-NET)
	FH7202-Z3 Housing (Standard)
	FH7203-Z3 Housing (Comfort)
Accessories	FTO2005-C1 Key switch (Kaba)
	FTO2006-B1 Key switch (Nordic)
	Z3B171 Relay module
	FHA2016-A1 19" mounting kit
	FCA2014-A1 Cable kit (communication)
	DL3750+ Matrix printer (Extern)

Type		Order No.
FC722-HA	**Fire control panel (2-loop) in housing (Comfort) with EVAC operating unit**	**S54400-C29-A3**

See FC722.. for technical overview and note the additional / other specifications:

With 10 evacuation operating zones for Netherlands.

Mains voltage	230 VAC
Operating voltage	21... 28.4 VDC
Operating current	max. 5 A
Power supply	150 W
Battery capacity	2 x 12 V, 26 Ah
Cabinet dimensions (W x H x D)	430 x 796 x 160 mm
Expansion	FCA2012-A1 License key (L1)
	FCA2013-A1 License key (L2)
	FTO2001-A1 Event printer
	FHA2007-A1 Mounting plate
	FCI2005-N1 RT Interface Set
	FCA2005-A1 Sounder module
	FN2001-A1 Network module (SAFEDLINK)
	FN2002-A1 Repeater (SAFEDLINK)
	FP2005-A1 Power supply kit (150 W, B)
	FCA2001-A1 RS232 module (isolated)
	FCA2002-A1 RS485 module (isolated)
	FCI2003-A1 Loop extension (FDnet/C-NET)
	FH7202-Z3 Housing (Standard)
	FH7203-Z3 Housing (Comfort)
Accessories	FTO2005-C1 Key switch (Kaba)
	FTO2006-B1 Key switch (Nordic)
	Z3B171 Relay module
	FHA2016-A1 19" mounting kit
	FCA2014-A1 Cable kit (communication)
	DL3750+ Matrix printer (Extern)

Networkable addressable fire control panel FC724 Comfort*

Upt to 2
sounder modules
FCA2005-A1

and/or

Up to 6
relay modules
Z3B171

Up to 2 cable kits (communication)
FCA2014-A1

Network module (SAFEDLINK)
FN2001-A1

Up to 2
loop extensions
FCI2003-A1

Sounder module
FCA2005-A1

RS485 module
FCA2002-A1 and/or
RS232 module
FCA2001-A1

Mounting plate
FHA2007-A1 for fire
brigade periphery module
FCI2001-D1 or sounder
module **FCA2005-A1**

License key (L1)
FCA2012- A1 for
Cerberus-Remote or
License key (L2)
FCA2013-A1 for
Cerberus-Remote and
BACnet

Fire brigade
periphery module
FCI2001-D1

Key switch (Kaba)
FTO2005-C1 or
Key switch (Nordic)
FTO2006-B1

* Control panel shown with
48 indicator groups, each with
one red and one yellow LED

2x batteries
max. 12 V/24 Ah
FA2006-A1

Additional power supply kit
FP2005-A1

Event printer
FTO2001-A1

Type		Order No.

FC724.. — Fire control panel (4 loop) — **FC724..**

The FC724.. (4-loop, expandable to 8) is a compact fire control panel with an integrated operating unit that can process signals from Cerberus PRO devices of up to 504 addresses. The fire control panel can be used as a stand-alone version or networked. The control panel can be programmed with a user-friendly Cerberus-Engineering-Tool to create a system with great versatility. Up to 16 stations such as fire control panels and fire terminals (in any arrangement) can be connected in one network. In addition, an Ethernet connection is available at each station. This Ethernet connection enables a maximum of 4 stations including a Central Access Point 'CAP' (via Hub) to be networked together (not EN54-compliant). Connection to Siemens Danger Management System via BACnet.
All detector lines are monitored for ground faults.
Adaptation of the user text directly on the terminal or with the Cerberus-Engineering-Tool. Up to 2000 events can be stored according to various criteria. Automatic summer/winter time change.
Detection and automatic read-in (auto configuration) of all C-NET devices, providing immediate simple operation.
Stored data can be uploaded via Cerberus-Remote access.
The FC724.. is ideally suited for medium-sized applications, e.g. in industrial plants, regional banks, office complexes, etc. The FC724.. with flexible cross linking possibilities can also be used for extensive systems.
The expansion and accessories must be ordered separately.

Detector compatibility	Cerberus PRO FD720
Number of addresses	max. 504
Number of detector lines	4 (8) loops or 8 (16) stub lines
Programmable input/output	12
Relay outputs	1 x RT alarm
	1 x RT fault
Supervised output	1 x RT alarm
	1 x RT fault
	2 x Horn
Mains voltage	230 VAC
Operating voltage	21... 28.6 VDC
Operating current	max. 5 A
Power supply	150 W
Emergency power supply	up to 72 h (optional)
Battery capacity	2 x 12 V, 26 Ah
Plug-in position	2 -> for serial interfaces RS232, RS485
	2 -> for network modules
	2 -> for loop extension (C-NET)
Operating temperature	-8... +42 °C
Storage temperature	-20... +60 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP30
Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00
Cabinet dimensions (W x H x D)	430 x 796 x 160 mm
Data sheet	A6V10207176

Type			Order No.
FC724-ZA	**Fire control panel (4-loop)**		**S54400-C30-A2**
	See FC724.. for technical overview and note the additional / other specifications:		
	Expansion	FCA2012-A1 License key (L1)	
		FCA2013-A1 License key (L2)	
		FTO2001-A1 Event printer	
		FHA2007-A1 Mounting plate	
		FCI2001-A1 Fire brigade periphery module kit	
		FCA2005-A1 Sounder module	
		FN2001-A1 Network module (SAFEDLINK)	
		FN2002-A1 Repeater (SAFEDLINK)	
		FP2005-A1 Power supply kit (150 W, B)	
		FCA2001-A1 RS232 module (isolated)	
		FCA2002-A1 RS485 module (isolated)	
		FCI2003-A1 Loop extension (FDnet/C-NET)	
		FH7202-Z3 Housing (Standard)	
		FH7203-Z3 Housing (Comfort)	
	Accessories	FTO2005-C1 Key switch (Kaba)	
		FTO2006-B1 Key switch (Nordic)	
		Z3B171 Relay module	
		FHA2016-A1 19" mounting kit	
		FCA2014-A1 Cable kit (communication)	
		DL3750+ Matrix printer (Extern)	

Type		Order No.
FC724-ZE	**Fire control panel (4-loop) with 2 LED indicators**	**S54400-C30-A3**

See FC724.. for technical overview and note the additional / other specifications:

With 48 indicator groups, each with one red and one yellow LED.

Expansion	FCA2012-A1 License key (L1)
	FCA2013-A1 License key (L2)
	FTO2001-A1 Event printer
	FHA2007-A1 Mounting plate
	FCI2001-A1 Fire brigade periphery module kit
	FCA2005-A1 Sounder module
	FN2001-A1 Network module (SAFEDLINK)
	FN2002-A1 Repeater (SAFEDLINK)
	FP2005-A1 Power supply kit (150 W, B)
	FCA2001-A1 RS232 module (isolated)
	FCA2002-A1 RS485 module (isolated)
	FCI2003-A1 Loop extension (FDnet/C-NET)
	FH7202-Z3 Housing (Standard)
	FH7203-Z3 Housing (Comfort)
Accessories	FTO2005-C1 Key switch (Kaba)
	FTO2006-B1 Key switch (Nordic)
	Z3B171 Relay module
	FHA2016-A1 19" mounting kit
	FCA2014-A1 Cable kit (communication)
	DL3750+ Matrix printer (Extern)

Type		Order No.
FC724-HA	**Fire control panel (4-loop) with EVAC operating unit**	**S54400-C30-A1**
	See FC724.. for technical overview and note the additional / other specifications:	
	With 10 evacuation operating zones for Netherlands.	
	Expansion	FCA2012-A1 License key (L1)	
		FCA2013-A1 License key (L2)	
		FTO2001-A1 Event printer	
		FHA2007-A1 Mounting plate	
		FCI2005-N1 RT Interface Set	
		FCA2005-A1 Sounder module	
		FN2001-A1 Network module (SAFEDLINK)	
		FN2002-A1 Repeater (SAFEDLINK)	
		FP2005-A1 Power supply kit (150 W, B)	
		FCA2001-A1 RS232 module (isolated)	
		FCA2002-A1 RS485 module (isolated)	
		FCI2003-A1 Loop extension (FDnet/C-NET)	
		FH7202-Z3 Housing (Standard)	
		FH7203-Z3 Housing (Comfort)	
	Accessories	FTO2005-C1 Key switch (Kaba)	
		FTO2006-B1 Key switch (Nordic)	
		Z3B171 Relay module	
		FHA2016-A1 19" mounting kit	
		FCA2014-A1 Cable kit (communication)	
		DL3750+ Matrix printer (Extern)	

FC72x Compact Networkable Fire Control Panels
Expansion FC72x

2

Type		Order No.
FCI2003-A1	**Loop extension (FDnet/C-NET)**	A5Q00010136

With the loop extension, the number of connectable loops is doubled from 2 to 4. The number of FDnet/C-NET addresses per station remains unchanged.
Plugged onto the periphery board of the control panel. Each integrated line can be equipped with one loop extension (exclude FC721).

Number of detector lines	2 loops or 4 stub lines
Cable capacity	0.2... 1.5 mm^2
Dimensions (W x H x D)	48 x 20 x 70 mm

Type		Order No.
FCA2012-A1	**License key (L1)**	A5Q00018856

iButton with license for:
Sinteso -> SintesoView
Cerberus PRO -> Cerberus-Remote
Only one license key is applicable per station.

Type		Order No.
FCA2013-A1	**License key (L2)**	A5Q00018857

iButton with license for:
Sinteso -> SintesoView and BACnet
Cerberus PRO -> Cerberus-Remote and BACnet
Only one license key is applicable per station.

Type		Order No.
FTO2001-A1	**Event printer**	A5Q00010126

The event printer is a thermal printer that logs alarms, faults and general messages. The event printer can be used in all control panels if space is available. The RS232 module is required to operate the printer. Event printer includes cables for interface and power supply and a paper roll. The RS232 module FCA2001-A1 must be ordered separately.

Operating voltage	9... 48 VDC
Quiescent current	50 mA
Operating current	3 A @ 9 VDC
	0.7 A @ 48 VDC
Interface	RS232 serial
Operating temperature	0... +50 °C
Storage temperature	-20... +70 °C
Relative humidity	≤95 % (no condensation)
Dimensions (W x H x D)	85 x 85 x 55 mm

Type		Order No.
FHA2007-A1	**Mounting plate**	A5Q00010151

The mounting plate must be screwed onto the back wall of the housing. The mounting plate can pivot, allowing access to the underlying module, i.e. to mount the fire brigade periphery module or the sounder modules.

Dimensions (W x H x D)	221 x 241 x 46 mm

FC72x Compact Networkable Fire Control Panels
Expansion FC72x

Type		Order No.

FCI2001-D1

Fire brigade periphery module

A5Q00013100

For VdS-compliant switching to fire department periphery devices (for Germany). The module has connections for FBF, FSD, ÜE, FSE, ÖA, KL, tamper alarm FSD.
Mounted in the housing on the mounting plate FHA2007-A1, or on the back wall of the housing.

Operating voltage	21... 28.6 VDC
Operating current	max. 1.6 A
Cable capacity	0.2... 1.5 mm^2 / 0.5... 2.5 mm^2
Dimensions (W x H x D)	150 x 190 x 40 mm

FCI2005-N1

RT Interface Set

A5Q00026302

For fire department periphery devices (for Netherlands).
Mounted in the housing on the mounting plate FHA2007-A1.

Operating voltage	20... 30 VDC
Operating current	max. 20 mA
Cable capacity	0.4... 1.5 mm^2 / 0.2... 2.5 mm^2
Dimensions (W x H x D)	190 x 150 x 36 mm

FCA2005-A1

Sounder module

A5Q00014866

With the sounder module, it is possible to split a collective horn line onto 4 individual lines. Each line controls and monitors an individual sounder. 2 sounder modules can also be used, but must then be cascaded.
The sounder module can be mounted onto the mounting plate FHA2007-A1 or onto the U-rail TS35 with the enclosed mounting feet.

Operating voltage	21... 28.6 VDC
Quiescent current	20 mA
Operating current	max. 2 A (fused with 2 AT)
Supervised output	4 x 1 A
Cable capacity	0.08... 1.5 mm^2
Relative humidity	≤95 %
Color housing/cover	white, ~RAL 9010/transparent matt
Protection category	IP30
Dimensions (W x H x D)	132 x 90 x 24 mm

Type		Order No.

FN2001-A1 **Network module (SAFEDLINK)** A5Q00012851

To network multiple stations. Plugged into the back side of the operating unit.

Cable capacity	0.2...1.5 mm^2
Dimensions (W x H x D)	50 x 20 x 70 mm

FN2002-A1 **Repeater (SAFEDLINK)** S24236-B2502-A1

The module is a repeater in the FCnet/C-WEB. It is used for the extension of the range of the system bus. 1 repeater max. can be used between 2 stations. The distance between network module and repeater may be max. 1000 m.
The repeater can be mounted directly on a plane surface, onto a U-rail TS35 with the enclosed mounting feet or in the housing FDCH221. The accessories must be ordered separately.

Communication protocol	SAFEDLINK (UDP/IP)
Operating voltage	9... 30 VDC
Operating current	max. 45 mA
Cable capacity	0.08... 1.5 mm^2
Relative humidity	≤95 %
Color housing/cover	white, ~RAL 9010/transparent matt
Protection category	IP30
	IP65 with aux. housing FDCH221
Dimensions (W x H x D)	132 x 90 x 24 mm
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

Accessories

TS35_122 **U-rail TS35/7.5/122** BPZ:5644780001

Universal mounting rail (U-rail) enables mounting of various equipment.

Dimensions (W x H)	35 x 122 mm

TS35_288 **U-rail TS35/7.5/288** BPZ:5644230001

Universal mounting rail (U-rail) enables mounting of various equipment.

Dimensions (W x H)	35 x 288 mm

FC72x Compact Networkable Fire Control Panels
Expansion FC72x

Type		Order No.

FDCH221

Housing for input/output modules

Housing with seal for the mounting of the input/output modules for wet applications.
The required screwed cable glands and back nuts M20 must be ordered separately.

Dimensions (W x H x D)	207 x 119 x 48 mm
Color	white, ~RAL 9010 / transparent matt
Protection category	IP65
Accessories	A5Q00004478 Screwed cable gland M20
	A5Q00004479 Back nut M20

Order No.: **S54312-F3-A1**

A5Q00004478

Screwed cable gland M20 x 1.5

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

Order No.: **A5Q00004478**

A5Q00004479

Back nut M20

Back nut to screwed cable gland M20 x 1.5.

Delivery unit	10 pieces

Order No.: **A5Q00004479**

FCA2001-A1

RS232 module (isolated)

Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back side of the operating unit.
RS232 module incl. 1 EMC screwed cable gland M10 x 1.5.

Cable capacity	0.2...1.5 mm^2
Dimensions (W x H x D)	50 x 15 x 70 mm

Order No.: **A5Q00005327**

FCA2002-A1

RS485 module (isolated)

Module for periphery devices with RS485 interface, e.g. for FAT (GER). Plugged into the back side of the operating unit.
RS485 module incl. 1 EMC screwed cable gland M10 x 1.5.

Cable capacity	0.2...1.5 mm^2
Dimensions (W x H x D)	50 x 15 x 70 mm

Order No.: **A5Q00009923**

2

Type			Order No.
FH7201-Z3	**Housing (Eco)**		**S54400-B72-A1**
	Empty housing for open use, e.g. power supply kit with batteries, operating add-on, event printer or mimic display.		
	Cabinet dimensions (W x H x D)	430 x 398 x 80 mm	
	Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
	Protection category	IP30	
	Integral battery space	2 x FA2003-A1 (7 Ah)	
	Expansion	FTO2001-A1 Event printer	
		FCM7211-Y3 Operating add-on (2xLED ind.)	
		FP2003-A1 Power supply kit (70 W)	
FH7202-Z3	**Housing (Standard)**		**S54400-B70-A1**
	Empty housing for open use, e.g. power supply kit with batteries, operating add-on or for the event printer.		
	Cabinet dimensions (W x H x D)	430 x 398 x 160 mm	
	Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
	Protection category	IP30	
	Integral battery space	2 x FA2003-A1 (7 Ah) or 2 x FA2004-A1 (12 Ah) or 2 x FA2006-A1 (26 Ah)	
	Expansion	FTO2001-A1 Event printer	
		FCM7211-Y3 Operating add-on (2xLED ind.)	
		FP2003-A1 Power supply kit (70 W)	
		FP2004-A1 Power supply kit (150 W, A)	
		FP2005-A1 Power supply kit (150 W, B)	
FH7203-Z3	**Housing (Comfort)**		**S54400-B71-A1**
	Empty housing for open application, e.g. power supply kit with batteries, for operating add-on or for the event printer.		
	Cabinet dimensions (W x H x D)	430 x 796 x 160 mm	
	Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
	Protection category	IP30	
	Integral battery space	2 x FA2003-A1 (7 Ah) or 2 x FA2004-A1 (12 Ah) or 2 x FA2005-A1 (17 Ah) or 2 x FA2006-A1 (26 Ah)	
	Expansion	FTO2001-A1 Event printer	
		FCM7211-Z3 Operating add-on (2xLED ind.)	
		FP2003-A1 Power supply kit (70 W)	
		FP2004-A1 Power supply kit (150 W, A)	
		FP2005-A1 Power supply kit (150 W, B)	

FC72x Compact Networkable Fire Control Panels
Expansion FC72x

Type		Order No.

FCM7211-Y3

Operating add-on (2xLED ind.)

To update 48 LED display groups, with one red and one yellow LED each.
Can be inserted in all empty housings.
Inclusive cables and screws for installation.

Dimensions (W x H x D)	427 x 200 x 25 mm

S54400-F75-A1

FCM7221-H3

Operating add-on (2xEVAC)

The operating add-on is composed of an operation of 10 zones and an extension of another 10 zones. This application completes the fire control panel with evacuation operating panel used by the fire brigade to activate or deactivate alarming devices in single zones. The operating add-on can be directly mounted into a fire control panel. When the operating add-on is used remote from the control panel in a separate housing the connector board FTI2001-N1 is necessary.
Connection to fire control panel via serial RS485 interface.
Inclusive cables and screws for installation.
The RS485 module and the connector board FTI2002-N1 must be ordered separately.

Dimensions (W x H x D)	427 x 200 x 25 mm
Data sheet	A6V10223093

S54400-F78-A1

FTI2002-N1

EVAC-NL connector board

The connector board is necessary if the operating add-on (2xEVAC) is used remote from the control panel in a separate housing. The connection to the control panel occurs via the RS485 interface. The remote access to the operating add-on is possible until 1000 m.
The RS485 module must be ordered separately and to be mounted in the control panel.

Supply voltage	20... 32 VDC
Operating current	max. 190 mA @ 21 VDC
Cable capacity	0.5... 1.5 mm^2
Dimensions (W x H x D)	121 x 130 x 32 mm
Data sheet	A6V10223093

S54400-A15-A1

FT2003-N1

Mimic display driver (EVAC)

The mimic display driver is necessary if the evacuation panel has to be built in a customer-specific housing with customized LEDs and keys in a plant layout (mimic display). The mimic display is composed of a connector board and a print of the operating add-on.
In order to realize a panel for 20 evacuation zones, 2 mimic display drivers are required (Master and Slave).
The 34-pin ribbon cable for connection of LEDs, keys and key switch must provided by the customer.
The RS485 module must be ordered separately and mounted in the control panel.

Supply voltage	20... 32 VDC
Operating current	max. 190 mA @ 21 VDC
Cable capacity	0.5... 1.5 mm^2
Dimensions (W x H x D)	121 x 206 x 47 mm
Data sheet	A6V10223093

S54400-A14-A1

Type		Order No.
FP2003-A1	**Power supply kit (70 W)**	A5Q00016005

Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.

Supply voltage	85... 265 VAC
Power consumption	max. 90 VA
Current	0.5... 1 A
Dimensions (W x H x D)	95 x 170 x 54 mm

Type		Order No.
FP2004-A1	**Power supply kit (150 W, A)**	A5Q00020825

Power supply kit (150 W, A) as auxiliary power supply for installation into empty housings.
Converts mains voltage to system voltage. Monitors mains voltage and batteries.

Supply voltage	115/230 VAC
Power consumption	max. 300 VA
Current	2.6 / 1.2 A
Dimensions (W x H x D)	130 x 150 x 70 mm

Type		Order No.
FP2005-A1	**Power supply kit (150 W, B)**	A5Q00018779

Power supply kit (150 W, B) as auxiliary power supply for cascading.
Converts mains voltage to system voltage. Monitors mains voltage and batteries.

Supply voltage	115/230 VAC
Power consumption	max. 300 VA
Current	2.6 / 1.2 A
Dimensions (W x H x D)	130 x 150 x 70 mm

Type		Order No.
FTO2005-C1	**Key switch (Kaba)**	A5Q00010113
	Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).	
FTO2006-B1	**Key switch (Nordic)**	A5Q00010129
	Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).	
Z3B171	**Relay module with 1 contact**	BPZ:4843830001
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A Delivery unit 10 pieces	
FHA2016-A1	**19" mounting kit**	A5Q00020179
	To install fire control panels and fire terminals in a 19" third-party housing.	
	Dimensions (W x H x D) 430 x 100 x 324 mm	
FCA2014-A1	**Cable kit (communication)**	A5Q00023027
	For flexible cable connections to the modules on the PMI-& main board.	

Type		Order No.
DL3750+	**Matrix printer external**	A5Q00023962

The Fujitsu DL3750+ is a compact, noiseless A4 matrix printer. It is used for documenting relevant information in a system on continuous paper. The printer is constantly supervised by the fire control panel. The type of events to be printed is configurable. It offers a maximum of speed and reliability.
The RS232 module FCA2001-A1 is required to operate the printer and must be ordered separately.

Number of copies	5 incl. original
Character set	6
Resolution	360 x 360 dpi
Interface	RS232 or Ethernet (via Print-Server PS01a)
Operating temperature	+5... +38 °C
Storage temperature	-15... +60 °C
Relative humidity	≤95 % (no condensation)
Dimensions (W x H x D)	415 x 120 x 330 mm

Type		Order No.
FT724..	**Fire terminal**	**FT724..**
	The FT724.. fire terminal is an operating panel remote from the central control panel that can be operated with its own power supply as well, as an option. The operating unit has installation slots for optional interfaces such as RS232, RS485, networking modules (SAFEDLINK) and a key switch. Each station has an Ethernet connection to which other fire terminals or a PC can be connected for remote operation/engineering. This Ethernet connection enables a maximum of 4 stations including a Central Access Point 'CAP' (via Hub) to be networked together (not EN54-compliant). The high-performance C-WEB makes it possible to network up to 16 fire control panels and fire terminals together as required. Connection of Siemens Danger Management System via BACnet.	
	The optional power supply i.e. power supply kit (70 W) and batteries 2 x 12 V / 7 Ah must be ordered separately.	

Operating voltage	21... 28.6 VDC	
Quiescent current	125 mA	
Alarm current	130 mA	
Power supply	70 W (optional)	
Battery capacity	max. 2 x 12 V / 7 Ah (optional)	
Plug-in position	2 -> for serial interfaces RS232, RS485	
	2 -> for network modules	
Operating temperature	-8... +42 °C	
Storage temperature	-20... +60 °C	
Relative humidity	≤95 % (no condensation)	
Protection category	IP30	
Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm	
Data sheet	A6V10207898	

FT724-ZZ	**Fire terminal**	**S54400-C31-A2**
	See FT724.. for technical overview and note the additional / other specifications:	

Expansion	FCA2012-A1 License key (L1)	
	FCA2013-A1 License key (L2)	
	FTO2001-A1 Event printer	
	FN2001-A1 Network module (SAFEDLINK)	
	FCA2001-A1 RS232 module (isolated)	
	FCA2002-A1 RS485 module (isolated)	
	FP2003-A1 Power supply kit (70 W)	
	FH7201-Z3 Housing (Eco)	
Accessories	FTO2005-C1 Key switch (Kaba)	
	FTO2006-B1 Key switch (Nordic)	
	FHA2016-A1 19" mounting kit	
	FCA2014-A1 Cable kit (communication)	
	DL3750+ Matrix printer (Extern)	

Fire Control Network (C-WEB) Participants
FT724 Networkable Fire Operating Terminals
FT724 Operating Terminal to FC72x

2

Type		Order No.
FT724-HZ	**Fire terminal with EVAC operating unit**	**S54400-C31-A1**
	See FT724.. for technical overview and note the additional / other specifications:	
	With 10 evacuation operating zones for Netherlands.	
	Expansion	FCA2012-A1 License key (L1)
		FCA2013-A1 License key (L2)
		FN2001-A1 Network module (SAFEDLINK)
		FCA2001-A1 RS232 module (isolated)
		FCA2002-A1 RS485 module (isolated)
		FP2003-A1 Power supply kit (70 W)
		FH7201-Z3 Housing (Eco)
	Accessories	FTO2005-C1 Key switch (Kaba)
		FTO2006-B1 Key switch (Nordic)
		FHA2016-A1 19" mounting kit
		FCA2014-A1 Cable kit (communication)
		DL3750+ Matrix printer (Extern)

FT724 Networkable Fire Operating Terminals
Expansion FT724

Type		Order No.
FCA2012-A1	**License key (L1)**	A5Q00018856
	iButton with license for: Sinteso -> SintesoView Cerberus PRO -> Cerberus-Remote Only one license key is applicable per station.	
FCA2013-A1	**License key (L2)**	A5Q00018857
	iButton with license for: Sinteso -> SintesoView and BACnet Cerberus PRO -> Cerberus-Remote and BACnet Only one license key is applicable per station.	
FN2001-A1	**Network module (SAFEDLINK)**	A5Q00012851
	To network multiple stations. Plugged into the back side of the operating unit.	
	Cable capacity 0.2...1.5 mm² Dimensions (W x H x D) 50 x 20 x 70 mm	
FCA2001-A1	**RS232 module (isolated)**	A5Q00005327
	Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back side of the operating unit. RS232 module incl. 1 EMC screwed cable gland M10 x 1.5.	
	Cable capacity 0.2...1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm	
FCA2002-A1	**RS485 module (isolated)**	A5Q00009923
	Module for periphery devices with RS485 interface, e.g. for FAT (GER). Plugged into the back side of the operating unit. RS485 module incl. 1 EMC screwed cable gland M10 x 1.5.	
	Cable capacity 0.2...1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm	

FT724 Networkable Fire Operating Terminals
Expansion FT724

Type		Order No.

FP2003-A1

Power supply kit (70 W)

A5Q00016005

Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.

Supply voltage	85... 265 VAC
Power consumption	max. 90 VA
Current	0.5... 1 A
Dimensions (W x H x D)	95 x 170 x 54 mm

FH7201-Z3

Housing (Eco)

S54400-B72-A1

Empty housing for open use, e.g. power supply kit with batteries, operating add-on, event printer or mimic display.

Protection category	IP30
Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm
Integral battery space	2 x FA2003-A1 (7 Ah)

FCM7211-Y3

Operating add-on (2xLED ind.)

S54400-F75-A1

To update 48 LED display groups, with one red and one yellow LED each.
Can be inserted in all empty housings.
Inclusive cables and screws for installation.

Dimensions (W x H x D)	427 x 200 x 25 mm

FTO2001-A1

Event printer

A5Q00010126

The event printer is a thermal printer that logs alarms, faults and general messages. The event printer can be used in all control panels if space is available. The RS232 module is required to operate the printer. Event printer includes cables for interface and power supply and a paper roll. The RS232 module FCA2001-A1 must be ordered separately.

Operating voltage	9... 48 VDC
Quiescent current	50 mA
Operating current	3 A @ 9 VDC
	0.7 A @ 48 VDC
Interface	RS232 serial
Operating temperature	0... +50 °C
Storage temperature	-20... +70 °C
Relative humidity	≤95 % (no condensation)
Dimensions (W x H x D)	85 x 85 x 55 mm

FT724 Networkable Fire Operating Terminals
Accessories FT724

Type			Order No.
FTO2005-C1	**Key switch (Kaba)**		**A5Q00010113**
	Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).		
FTO2006-B1	**Key switch (Nordic)**		**A5Q00010129**
	Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).		
FHA2016-A1	**19" mounting kit**		**A5Q00020179**
	To install fire control panels and fire terminals in a 19" third-party housing.		
	Dimensions (W x H x D)	430 x 100 x 324 mm	
FCA2014-A1	**Cable kit (communication)**		**A5Q00023027**
	For flexible cable connections to the modules on the PMI-& main board.		

Type		Order No.
DL3750+	**Matrix printer external**	A5Q00023962

The Fujitsu DL3750+ is a compact, noiseless A4 matrix printer. It is used for documenting relevant information in a system on continuous paper. The printer is constantly supervised by the fire control panel. The type of events to be printed is configurable. It offers a maximum of speed and reliability.
The RS232 module FCA2001-A1 is required to operate the printer and must be ordered separately.

Number of copies	5 incl. original
Character set	6
Resolution	360 x 360 dpi
Interface	RS232 or Ethernet (via Print-Server PS01a)
Operating temperature	+5... +38 °C
Storage temperature	-15... +60 °C
Relative humidity	≤95 % (no condensation)
Dimensions (W x H x D)	415 x 120 x 330 mm

Safety for people and assets

Our Genesis Series stands for comprehensive safety. In combination with an intrusion control panel, it is the professional solution for reliable fire detection. As your existing network infrastructure can be used for installation, you will profit from low investment costs.

Connected to an intrusion detection control panel, Genesis 2 enables the installation of a single-zone fire detection system. It also controls and supervises a 2-wire line, equipped with up to 32 conventional detectors. Supplied with 12 VDC from the intrusion control panel, it is able to provide 24 VDC thanks to an internal converter. This is the power needed by detectors and/or call points.

- One conventional line with a maximum of 32 detectors
- Compatible with conventional (SynoLINE300) and collective (SynoLINE600) devices
- Universal usage thanks to easy connectivity to all 12 VDC systems
- Reliable alarming via existing network
- Easy installation due to free contacts for fire and fault alarm

Type		Order No.
GEN2..	**Fire control panel for connection to 12 VDC supply**	GEN2..

The Genesis 2 makes it possible to install a single fire detection zone when connected to intrusion control panel, controlling and supervising a 2-wire line, equipped with up to 32 conventional/collective detectors at 24 VDC.

The Genesis 2 is supplied with 13.8 VDC from the intrusion control panel and, by means of an internal converter, is able to provide the 24 VDC supply required by the detectors and/or call points. This eliminates the need for an external 24 VDC power supply and battery backup, as in the case of mains failure or disconnection, the intrusion control panel back-up powers the system. Compatible with conventional/SynoLINE300 and collective/SynoLINE600.

Alarm relay output (NO/NC)	30 VDC / 1 A
Fault relay output (NO/NC)	30 VDC / 1 A
Power supply	11... 14 VDC / <200 mA
Output line voltage (stand-by)	17.5... 24 VDC
Stand-by current	35... 45 mA
Dimensions (W x H x D)	134 x 85 x 27 mm
Data sheet	009159

Type		Order No.
GEN2-en	**Fire control panel for connection to 12 VDC supply**	BPZ:9300110001
	See GEN2.. for technical overview and note the additional / other specifications:	
	English language printed on the product.	
GEN2-de	**Fire control panel for connection to 12 VDC supply**	BPZ:9300150001
	See GEN2.. for technical overview and note the additional / other specifications:	
	German language printed on the product.	
GEN2-it	**Fire control panel for connection to 12 VDC supply**	BPZ:9300120001
	See GEN2.. for technical overview and note the additional / other specifications:	
	Italian language printed on the product.	
GEN2-se	**Fire control panel for connection to 12 VDC supply**	BPZ:9300130001
	See GEN2.. for technical overview and note the additional / other specifications:	
	Swedish language printed on the product.	
GEN2-fr	**Fire control panel for connection to 12 VDC supply**	BPZ:9300180001
	See GEN2.. for technical overview and note the additional / other specifications:	
	French language printed on the product.	
GEN2-nl	**Fire control panel for connection to 12 VDC supply**	BPZ:9300190001
	See GEN2.. for technical overview and note the additional / other specifications:	
	Dutch language printed on the product.	

Type		Order No.
GEN2-es	**Fire control panel for connection to 12 VDC supply**	**BPZ:9300100001**
	See GEN2.. for technical overview and note the additional / other specifications:	
	Spanish language printed on the product.	
MGEN2	**Fire control panel PCB for all languages**	**BPZ:9300170001**
	As GEN2.. for technical specification but without housing.	
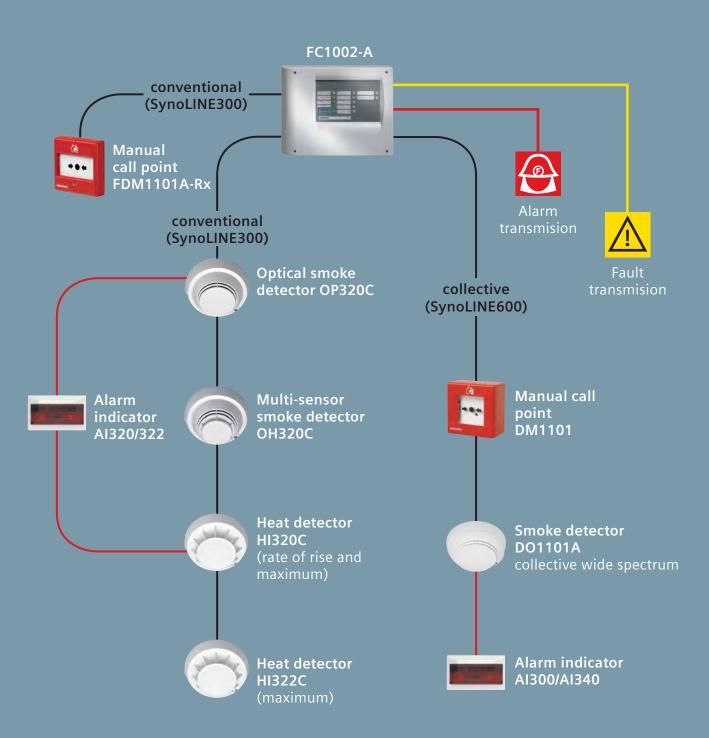
FC10 fire control panel – for easy control

FC10 has been designed to ensure the simplest operation possible – with clear LED displays, a key switch, and an ergonomically designed keyboard. System testing and isolation can be performed with confidence using the comprehensive array of clear, concise controls and indicators. Independent controls and the option of code or key switch access allow users to decide which is best for them. The ability of FC10 to work in two distinct modes reduces the possibility of false alarms and the simple method of selection allows this feature to be used without complication. Furthermore, FC10 can be programmed to delay communication with the fire brigade for automatic alarms in "manned" mode.

- Manned/unmanned operation
- Differentiation of manual and automatic alarm origin without separate wiring
- Code or key switch user access
- Clear, comprehensive indication and controls for easy operation
- Vast array of programmable functions
- Optional clock and alarm counter

Easy control with the conventional fire control panel FC10

The brief overview below demonstrates the perfect interaction of the panel and the devices

FC1002-A

conventional (SynoLINE300)

Manual call point FDM1101A-Rx

conventional (SynoLINE300)

Optical smoke detector OP320C

Alarm indicator AI320/322

Multi-sensor smoke detector OH320C

Heat detector HI320C (rate of rise and maximum)

Heat detector HI322C (maximum)

Alarm transmision

Fault transmision

collective (SynoLINE600)

Manual call point DM1101

Smoke detector DO1101A collective wide spectrum

Alarm indicator AI300/AI340

Conventional Fire Control Panels
2-zone Panels
FC10 Series

Type		Order No.

FC1002..

2-zone conventional unit

The FC10 series sets the new standard in functionality and design for conventional fire detection panels. FC1002.. is an easy-to-handle, cost-effective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to Algo-Rex collective or Synova conventional. This allows connection to Sinteso FDOOT241-9 (collective mode), AlgoRex DS11 (collective) and Synova conventional detectors. Furthermore this includes special detectors as FDF2x1-9 flame detectors, FDL241-9 linear smoke detector.

Conventional line	2
Transmission output contact	2 x 30 VDC / 1 A
Supervised output	2 x 24 VDC / 0.5 A
Control output	5 x 24 VDC / 40 mA
Control input	3
Mains voltage	115/230 VAC / 0.7 A +10 % -15 %, 50/60 Hz
Power consumption	13... 25 VA
Quiescent current	80 mA
Battery capacity	2 x 12 V / 7.2 Ah
Standard	EN54, CE
Dimensions (W x H x D)	370 x 286 x 90 mm
Case protection category	IP30
Color	white, ~RAL 9003
Data sheet	007994
Accessories	Z3B171 Relay module
	FCA1007 Key switch kit

FC1002..

FC1002-A

2-zone conventional unit (Standard)

See FC1002.. for technical overview and note the additional / other specifications:

Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.

A6E60500000

FC1002-B

2-zone conventional unit (Head removal monitoring)

See FC1002.. for technical overview and note the additional / other specifications:

Special line monitoring for removal of a detector.
Inscription stripes in English are enclosed.

A6E60500001

FC1002-C

2-zone conventional unit (Nordic)

See FC1002.. for technical overview and note the additional / other specifications:

Operating access through Nordic key.
Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.

A6E60500002

Type		Order No.
Z3B171	**Relay module with 1 contact**	**BPZ:4843830001**
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A	
	Delivery unit 10 pieces	
FCA1007	**Key switch kit**	**A6E60500026**
	To provide operating access via key switch instead of password.	

Type		Order No.
FC1004..	**4-zone conventional unit**	**FC1004..**

The FC10 series sets the new standard in functionality and design for conventional fire detection panels. FC1004.. is an easy-to-handle, cost-effective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to AlgoRex collective or Synova conventional. This allows connection to Sinteso FDOOT241-9 (collective mode), AlgoRex DS11 (collective) and Synova conventional detectors. Furthermore this includes special detectors as FDF2x1-9 flame detectors, FDL241-9 linear smoke detector.

Conventional line	4
Transmission output contact	2 x 30 VDC / 1 A
Supervised output	2 x 24 VDC / 0.5 A
Control output	7 x 24 VDC / 40 mA
Control input	3
Mains voltage	115/230 VAC / 0.7 A +10 % -15 %, 50/60 Hz
Power consumption	13... 25 VA
Quiescent current	90 mA
Battery capacity	2 x 12 V / 7.2 Ah
Standard	EN54, CE
Dimensions (W x H x D)	370 x 286 x 90 mm
Case protection category	IP30
Color	white, ~RAL 9003
Data sheet	007994
Accessories	Z3B171 Relay module
	FCA1007 Key switch kit

FC1004-A	**4-zone conventional unit (Standard)**	**A6E60500003**

See FC1004.. for technical overview and note the additional / other specifications:

Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.

FC1004-B	**4-zone conventional unit (Head removal monitoring)**	**A6E60500004**

See FC1004.. for technical overview and note the additional / other specifications:

Special line monitoring for removal of a detector.
Inscription stripes in English are enclosed.

FC1004-C	**4-zone conventional unit (Nordic)**	**A6E60500005**

See FC1004.. for technical overview and note the additional / other specifications:

Operating access through Nordic key.
Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.

FC1004-E	**4-zone conventional unit (NL)**	**A6E60500006**

See FC1004.. for technical overview and note the additional / other specifications:

Additional evacuation functions according to NEN2575.
Inscription stripes in Dutch are enclosed.

Type		Order No.
Z3B171	**Relay module with 1 contact**	**BPZ:4843830001**
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A	
	Delivery unit 10 pieces	
FCA1007	**Key switch kit**	**A6E60500026**
	To provide operating access via key switch instead of password.	

8-zone Panels
FC10 Series

Type		Order No.

FC1008..

8-zone conventional unit

FC1008..

The FC10 series sets the new standard in functionality and design for conventional fire detection panels. FC1008.. is an easy-to-handle, cost-effective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to Algo-Rex collective or Synova conventional. This allows connection to Sinteso FDOOT241-9 (collective mode), AlgoRex DS11 (collective) and Synova conventional detectors. Furthermore this includes special detectors as FDF2x1-9 flame detectors, FDL241-9 linear smoke detector.

Conventional line	8
Transmission output contact	2 x 30 VDC / 1 A
Supervised output	2 x 24 VDC / 0.5 A
Control output	14 x 24 VDC / 40 mA
Control input	6
Mains voltage	115/230 VAC / 1.5 A +10 % -15 %, 50/60 Hz
Battery capacity	2 x 12 V / 12 Ah
Standard	EN54, CE
Dimensions (W x H x D)	506 x 378 x 125 mm
Case protection category	IP30
Color housing/cover	grey, ~RAL 9006/white, ~RAL 9003
Data sheet	008099
Expansion	FCA1002 Display unit
	FCA1003 Sounder control card
	FCA1000-FF Interface card SST
	FCA1005-D RT-isolation card
	FCA1006-F RS232 adapter
Accessories	Z3B171 Relay module
	FCA1007 Key switch kit

FC1008-A

8-zone conventional unit (Standard)

A6E60500007

See FC1008.. for technical overview and note the additional / other specifications:

Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.

Power consumption	25... 45 VA
Quiescent current	125 mA

FC1008-B

8-zone conventional unit (Head removal monitoring)

A6E60500008

See FC1008.. for technical overview and note the additional / other specifications:

Special line monitoring for removal of a detector.
Inscription stripes in English are enclosed.

Power consumption	25... 45 VA
Quiescent current	125 mA

Type		Order No.
FC1008-C	**8-zone conventional unit (Nordic)**	A6E60500009
	See FC1008.. for technical overview and note the additional / other specifications:	
	Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.	
	Power consumption 25... 45 VA Quiescent current 125 mA	
FC1008-D	**8-zone conventional unit (CH)**	A6E60500010
	See FC1008.. for technical overview and note the additional / other specifications:	
	With special fire brigade operating panel for the Swiss market. Inscription stripes in Swiss German, Swiss Italian and Swiss French are enclosed.	
	Power consumption 25... 45 VA Quiescent current 125 mA	
FC1008-E	**8-zone conventional unit (Evacuation)**	A6E60500011
	See FC1008.. for technical overview and note the additional / other specifications:	
	Additional evacuation functions according to NEN2575. With 3.5 A power supply FCP1004-E. Inscription stripes in Dutch are enclosed.	
	Power consumption 20... 110 VA Quiescent current 170 mA	
FC1008-F	**8-zone conventional unit (VdS)**	A6E60500012
	See FC1008.. for technical overview and note the additional / other specifications:	
	VdS options (e.g. Feuerwehrbedienfeld-, Hauptmelder-, Feuerwehrtresor-Anschaltung). Inscription stripes in German are enclosed.	
	Power consumption 25... 45 VA Quiescent current 180 mA	

8-zone Panels
Expansion FC1008

Type		Order No.
FCA1002	**Display unit**	**A6E60500021**
	To provide alarm counter, clock, event memory, delay countdown. Factory equipped with FC1008-E and FC1008-F, FC1012-F. Optional with FC1008-A/-B/-C/-D, FC1012-A/-B-C.	
FCA1003	**Sounder control card**	**A6E60500022**
	To provide 4 additional, monitored control lines. Not possible with FC1008-F, FC1012-F.	
FCA1000-FF	**Interface card SST**	**A6E60500055**
	To provide connecting facility to external extinguishing control. Accessory for FC1012-F only.	
FCA1005-D	**RT-isolation card**	**A6E60500024**
	To provide hardware disconnecting facility for the remote transmission channels.	
FCA1006-F	**RS232 adapter**	**A6E60500025**
	To provide connecting facility to FAT (VdS). Accessory for FC1008-F, FC1012-F only.	

Type		Order No.
Z3B171	**Relay module with 1 contact**	**BPZ:4843830001**
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A	
	Delivery unit 10 pieces	
FCA1007	**Key switch kit**	**A6E60500026**
	To provide operating access via key switch instead of password.	

3

12-zone Panels
FC10 Series

Type		Order No.

FC1012..

12-zone conventional unit

FC1012..

The FC10 series sets the new standard in functionality and design for conventional fire detection panels. FC1012.. is an easy-to-handle, cost-effective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to Algo-Rex collective or Synova conventional. This allows connection to Sinteso FDOOT241-9 (collective mode), AlgoRex DS11 (collective) and Synova conventional detectors. Furthermore this includes special detectors as FDF2x1-9 flame detectors, FDL241-9 linear smoke detector.

Conventional line	12
Transmission output contact	2 x 30 VDC / 1 A
Supervised output	2 x 24 VDC / 0.5 A
Control output	18 x 24 VDC / 40 mA
Control input	6
Mains voltage	115/230 VAC / 1.5 A +10 % -15 %, 50/60 Hz
Power consumption	25... 45 VA
Battery capacity	2 x 12 V / 12 Ah
Standard	EN54, CE
Dimensions (W x H x D)	506 x 378 x 125 mm
Case protection category	IP30
Color housing/cover	grey, ~RAL 9006/white, ~RAL 9003
Data sheet	008099
Expansion	FCA1002 Display unit
	FCA1003 Sounder control card
	FCA1004-F Line extension card SST
	FCA1005-D RT-isolation card
	FCA1006-F RS232 adapter
Accessories	Z3B171 Relay module
	FCA1007 Key switch kit

FC1012-A

12-zone conventional unit (Standard)

A6E60500014

See FC1012.. for technical overview and note the additional / other specifications:

Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.

Quiescent current	155 mA

FC1012-B

12-zone conventional unit (Head removal monitoring)

A6E60500015

See FC1012.. for technical overview and note the additional / other specifications:

Special line monitoring for removal of a detector.
Inscription stripes in English are enclosed.

Quiescent current	155 mA

Type		Order No.
FC1012-C	**12-zone conventional unit (Nordic)**	**A6E60500016**
	See FC1012.. for technical overview and note the additional / other specifications:	
	Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.	
	Quiescent current 155 mA	
FC1012-F	**12-zone conventional unit (VdS)**	**A6E60500018**
	See FC1012.. for technical overview and note the additional / other specifications:	
	VdS options (e.g. Feuerwehrbedienfeld-, Hauptmelder-, Feuerwehrtresor-Anschaltung). Inscription stripes in German are enclosed.	
	Quiescent current 220 mA	

Type		Order No.
FCA1002	**Display unit**	**A6E60500021**
	To provide alarm counter, clock, event memory, delay countdown. Factory equipped with FC1008-E and FC1008-F, FC1012-F. Optional with FC1008-A/-B/-C/-D, FC1012-A/-B-C.	
FCA1003	**Sounder control card**	**A6E60500022**
	To provide 4 additional, monitored control lines. Not possible with FC1008-F, FC1012-F.	
FCA1004-F	**Line extension card SST**	**A6E60500023**
	Provides 4 additional detection lines and connecting facility for external extinguishing control. Accessory for FC1012-F only.	
FCA1005-D	**RT-isolation card**	**A6E60500024**
	To provide hardware disconnecting facility for the remote transmission channels.	
FCA1006-F	**RS232 adapter**	**A6E60500025**
	To provide connecting facility to FAT (VdS). Accessory for FC1008-F, FC1012-F only.	

Type		Order No.
Z3B171	**Relay module with 1 contact**	**BPZ:4843830001**
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A	
	Delivery unit 10 pieces	
FCA1007	**Key switch kit**	**A6E60500026**
	To provide operating access via key switch instead of password.	

3

XC10 – the compact solution for single-sector extinguishing and detection

The XC10 extinguishing panel is highly flexible and can be used for a great variety of applications. Designed for a single extinguishing sector, it can operate as a stand-alone solution or be integrated into a larger fire detection system.

- Fire detection and extinguishing system control in one panel
- High flexibility in actuation of extinguishing control systems
- Suitable for all types of extinguishing agents and applications
- Rapid, easy installation and commissioning
- Many different detector portfolios are supported
- Complies with international standards (EN54-2/4, EN12094-1,...)
- Connectable via in-/output module with C-NET

Conventional Extinguishing Control Panels
Connectable to Fire Detection Systems
XC10 Series

Type	Order No.

XC1001-A

Extinguishing control unit

A6E60500060

The new XC10 extinguishing control unit for 1 extinguishing sector to control small and medium size extinguishing installations. Self-contained control unit including fire detection and extinguishing control. Two valve control lines, master and slave, both compatible for activation of solenoids and pyrotechnical actuators. Easy to integrate in fire detection systems via in-/output module FDCIO222. Easy on-site configuration. Each line can be individually configured to AlgoRex collective or Synova conventional. This allows connection to Sinteso FDOOT241-9 (collective mode), AlgoRex DS11 (collective) and Synova conventional detectors. Furthermore this includes special detectors as FDF2x1-9 flame detectors, FDL241-9 linear smoke detector.
Integral capacity for emergency power of up to 30 h.
Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish, Danish, Norwegian and Finnish.

Conventional line	4
Alarm relay output (NO/NC)	max. 2 x 250 V, 1 A
Supervised output	3 x 24 V, 500 mA
	2 x 24 V, 2 A
Control output	8 x 24 V, 40 mA
Control input	4 (positive potential via dry contact)
Relay output (volt-free)	5 x 30 V, 1 A
Mains voltage	230 VAC, +10 % -15 %, 50/60 Hz
Power consumption	20... 150 VA
Quiescent current	132 mA
Battery capacity	2 x 12 V / 4.5 Ah
Standard	EN12094-1, EN54-2, EN54-4
Dimensions (W x H x D)	370 x 286 x 90 mm
Case protection category	IP30
Color	white, ~RAL 9003
Data sheet	008496
Expansion	XCA1016 Add-on module
	XCE1002 Trigger element
	XCA1020 Accessory set for FDCIO
	FCA1005-D RT-isolation card
Accessories	Z3B171 Relay module
	FCA1007 Key switch kit

Type		Order No.

4

XC1001-B	**Extinguishing control unit (France)**	A5Q00018177

The extinguishing control unit for 1 extinguishing sector to control small and medium size extinguishing installations. Self contained control unit including fire detection and extinguishing control. Integrated control facility for remote transmission. Also connectable to fire detection systems via in-/output module FDCIO222. For solenoids and pyrotechnical actuators. Compatible with Siemens conventional detector series. 2 selectable detector line standards for a wide range of detector compatibility. Simple user controls with isolate/test buttons. Easy on-site configuration.
Integral capacity for emergency power of up to 30 h.
Inscription stripes in French are enclosed.

Conventional line	4
Alarm relay output (NO/NC)	max. 2 x 250 V, 1 A
Supervised output	3 x 24 V, 500 mA
	2 x 24 V, 2 A
Control output	8 x 24 V, 40 mA
Control input	4 (positive potential via dry contact)
Relay output (volt-free)	5 x 30 V, 1 A
Mains voltage	230 VAC, +10 % -15 %, 50/60 Hz
Power consumption	20... 150 VA
Quiescent current	132 mA
Battery capacity	2 x 12 V / 4.5 Ah
Standard	EN12094-1, EN54-2, EN54-4
Dimensions (W x H x D)	370 x 286 x 90 mm
Case protection category	IP30
Color	white, ~RAL 9003
Data sheet	008496
Expansion	XCA1016 Add-on module
	XCE1002 Trigger element
	XCA1020 Accessory set for FDCIO
	FCA1005-D RT-isolation card
Accessories	Z3B171 Relay module
	FCA1007 Key switch kit

Type		Order No.
XCA1016	**Add-on module**	A5Q00016213
	The add-on module splits the two functions on the monitored input 1 onto two independent monitored input lines '1A' and '1B'. This module is only required for installations in which both states 'loss of agent' and 'mech. blocking device open/closed' have to be reported.	
FCA1005-D	**RT-isolation card**	A6E60500024
	To provide hardware disconnecting facility for the remote transmission channels.	
XCA1020	**Accessory set for FDCIO**	A5Q00025158
	Mounting support for I/O-module FDCIO222 for the connection to a fire detection system.	
XCE1002	**Trigger element**	A5Q00015659
	Required as an alarm trigger element for manual call points with functionality Hold/Abort in case more than one manual call point is connected on monitor control line 3 of the XC10. Manual call point type DM1103-S does not use this element, but the functionality of this trigger element XCE1002 is implemented.	

Type		Order No.
Z3B171	**Relay module with 1 contact**	**BPZ:4843830001**
	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
	Contact rating 250 VAC / 10 A	
	Delivery unit 10 pieces	
FCA1007	**Key switch kit**	**A6E60500026**
	To provide operating access via key switch instead of password.	

4

XC10 – compact and straightforward

An innovative system for fire detection and extinguishing

Control panels are the heart of any fire protection system. With its latest innovation XC10, Siemens now introduces a unique combination of detection, alarming, and extinguishing – controlled by only one panel. With its compact and appealing design, XC10 fits comfortably into any environment. Pre-programmed configurations and automatic calibration functionality allow quick installation and commissioning. The clear user interface provides a comprehensive overview of the system status as well as the activation and extinguishing processes, thus ensuring a fast and correct response. An ideal solution for all application areas, XC10 can be used as a stand-alone or integrated into a system. For more information, please visit **www.siemens.com/XC10**

Answers for infrastructure.

SIEMENS

Providing fast reliable detection with patented technology

Nursing homes, office buildings or production areas – people and assets have to be protected and business continuity secured. The Cerberus PRO detector range provides the benefits of Siemens' vast experience in detection techniques and applications. This experience ensures utterly reliable detection response. Thanks to special algorithms and selectable parameter sets, for example, detectors can be adjusted to the expected environmental conditions.

- Siemens has 150 years experience in fire safety – with more than 60 million detectors installed worldwide
- Fire detectors process signals with special detection algorithms – high reliability from false alarms
- Fire detectors offer selectable parameter sets – to adjust them to the surrounding conditions
- A wide range of special detectors – to cover even special applications
- All detectors are connected via and powered by C-NET – less wiring and reuse of existing cables

Addressable fire detectors – point detectors

Detector base seal
RS720

or

Designation plate
FDBZ291*

Detector base
DB720

Micro terminal
DBZ1190-AA

Connection terminal
DBZ1190-AB

Detector locking device
LP720

Multi-sensor
smoke detector
OH720

* cannot be used together with RS720

Addressable Fire Detectors
Point Detectors

Type		Order No.

5

OH720

Multi-sensor smoke detector

S54310-F2-A1

For the detection of flaming fires caused by the combustion of liquid and solid matters, as well as smoldering fires. For reliable fire detection in environments with deceptive phenomena.
Works according to the scattered-light principle with an optical forward scattering sensor. An additional heat sensor increases the fire detector's immunity to deceptive phenomena. Selectable detection behavior by different parameter sets. Immunity against transient false alarm causes.
The base must be ordered separately.

Scope of delivery
Detector and dust cap.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	~230 µA
Ext. alarm indicator	2
Operating temperature	-10... +50 °C
Storage temperature	-30... +70 °C
Permissible air speed	max. 5m/s
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40
	IP42 with detector base seal RS720
System compatibility	FS720
Standard	CEA4021, EN54-7, EN54-17
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Data sheet	A6V10202198
Accessories	LP720 Detector locking device

OP720

Optical smoke detector

S54310-F1-A1

For the detection of smoke-generating flaming and smoldering fires. Works according to the scattered-light principle with an optical forward scattering sensor. Selectable detection behavior by different parameter sets.
The base must be ordered separately.

Scope of delivery
Detector and dust cap.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	~220 µA
Ext. alarm indicator	2
Operating temperature	-10... +50 °C
Storage temperature	-30... +70 °C
Permissible air speed	max. 5m/s
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40
	IP42 with detector base seal RS720
System compatibility	FS720
Standard	EN54-7, EN54-17
Dimensions (Ø x H)	117 x 56 mm (incl. base)
Data sheet	A6V10202198
Accessories	LP720 Detector locking device

Type		Order No.

HI720 — **Heat detector (static+RoR)** — **S54310-F4-A1**

For use in areas where smoke detection is impractical due to high level of dust, dirt, steam and high humidity. Selectable parameter sets for rate of rise and fixed temperature.
The base must be ordered separately.
Scope of delivery
Detector and dust cap.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	~200 µA
Ext. alarm indicator	2
Operating temperature	-10... +50 °C
Storage temperature	-30... +70 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40
	IP42 with detector base seal RS720
System compatibility	FS720
Standard	EN54-5, EN54-17
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Data sheet	A6V10202198
Accessories	LP720 Detector locking device

HI722 — **Heat detector (static)** — **S54310-F3-A1**

Suitable in areas, in which temporary high variations in temperature arise. Measures the ambient temperature, when the maximum temperature is exceeded the detector sends a danger signal to the fire control panel.
The base must be ordered separately
Scope of delivery
Detector and dust cap.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	~200 µA
Ext. alarm indicator	2
Operating temperature	-10... +50 °C
Storage temperature	-30... +70 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40
	IP42 with detector base seal RS720
System compatibility	FS720
Standard	EN54-5, EN54-17
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Data sheet	A6V10202198
Accessories	LP720 Detector locking device

Type		Order No.
	Accessories	
LP720	**Detector locking device**	S54319-F9-A1

Threaded pin M3 x 12 to protect detector against theft.
Scope of delivery
2 hexagonal wrenches
100 threaded pins

DB720	**Detector base**	S54319-F4-A1

Universal base with extra-large mounting slots facilitate use with a wide variety of back boxes and other electrical accessories. Connecting terminals for cable diameter at 1.6 mm^2. Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.
For all point detectors of the series Cerberus PRO FD720.
Back entry for recess supply wiring. 2 break outs on the side for surface wiring of cables up to 8 mm in diameter.

Cable capacity	0.2... 1.6 mm^2
Dimensions (Ø x H)	117 x 23 mm
Color	white, ~RAL 9010
Accessories	FDBZ291 Designation plate
	RS720 Detector base seal
	DBZ1190-AA Micro terminal 0.5 mm^2
	DBZ1190-AB Connection terminal 2.5 mm^2

Addressable Fire Detectors
Point Detectors

Type			Order No.
DBS720	**Sounder base**		**S54319-F5-A1**

Compatible with all point detectors of the series Cerberus PRO.
The sounder base DBS720 and the detector compose a single unit, which already has a base and is mounted on ceilings, e.g. in hotel rooms, hospitals or nursing homes.
The sounder base serves for acoustic alarming in the addressed FS720 fire detection system. The sounder base can be allocated freely from the fire control panel to activate as required. It is not dependent upon an alarm signal from its associated detector.
Synchronized with all other alarm sounder and sounder beacon devices in the same detector line (C-NET).
No auxiliary power supply required; power is supplied via C-NET.
For recess supply wiring. For surface supply wiring, remove the corresponding breakouts for cable diameter up to max. Ø8 mm.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	150 µA
Alarm current	1.2 mA
Cable capacity	0.2... 1.6 mm^2
Number of sounds	11
Sound intensity	80... 88 dBA
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +70 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP41
	IP42 with detector base seal RS720
System compatibility	C-NET -> FS720
Standard	EN54-3
Dimensions (W x H x D)	175 x 117 x 29 mm
Data sheet	A6V10203095
Accessories	FDBZ291 Designation plate
	RS720 Detector base seal
	DBZ1190-AA Micro terminal 0.5 mm^2
	DBZ1190-AB Connection terminal 2.5 mm^2

Accessories

Type			Order No.
FDBZ291	**Designation plate**		**A5Q00002621**

To identify the location address for detector bases.

Dimensions (W x H)	62 x 35 mm
Color	transparent
Delivery unit	10 pieces

Type			Order No.
RS720	**Detector base seal**		**S54319-F8-A1**

Seal for higher protection category.
Compatible with base DB720 and sounder base DBS720.
Not usable together with the designation plate FDBZ291.

Dimensions (Ø x H)	119 x 6.5 mm
Color	transparent
Delivery unit	10 pieces

Type	Order No.

DBZ1190-AA

Micro terminal 0.5 mm^2, 4-pole

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	0.28... 0.5 mm^2
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

BPZ:4677080001

DBZ1190-AB

Connection terminal 2.5 mm^2, 3-pole

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm^2
Dimensions (W x H x D)	13.5 x 9.5 x 19.5 mm
Delivery unit	50 pieces

BPZ:4942340001

5

Addressable Manual Call Points
MCP with Direct Operation

Type			Order No.
FDM221__	**Manual call point**		**FDM221__**

For immediate manual actuation of an alarm. For indoor and outdoor application. For surface- and recess-mounted feed lines in easily accessible places. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is set back and the device is ready for operation again.
The housing FDMH291-x and the switching unit FDME221 must be ordered separately.

Communication protocol	FDnet/C-NET
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	87 x 87 x 46.6 mm
Data sheet	007001
Accessories	FDMC291 Protective cover
	A5Q00004478 Screwed cable gland M20
	A5Q00004479 Back nut M20

Products to select from

FDMH291-R	See Page 5-8
FDMH291-B	See Page 5-9
FDMH291-G	See Page 5-9
FDMH291-Y	See Page 5-8
FDME221	See Page 5-9

Type			Order No.
FDMH291-R	**Housing red with key**		**A5Q00002217**

Housing with key for electronic unit.

Color	red, ~RAL 3000

Type			Order No.
FDMH291-Y	**Housing yellow with key**		**A5Q00004979**

Housing with key for electronic unit.

Color	yellow, ~RAL 1023

Type		Order No.

FDMH291-G   **Housing green with key**   A5Q00004981

Housing with key for electronic unit.

Color	green, ~RAL 6024

FDMH291-B   **Housing blue with key**   A5Q00004980

Housing with key for electronic unit.

Color	blue, ~RAL 5005

FDME221   **Switching unit with direct alarm actuation**   A5Q00002451

Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test.
The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device.

Operating voltage	12... 33 VDC
Quiescent current	200 μA
Terminal block	0.28... 1.5 mm^2

Accessories

FDMC291   **Protective cover**   A5Q00001644

The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x.

Delivery unit	5 pieces

A5Q00004478   **Screwed cable gland M20 x 1.5**   A5Q00004478

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

Type		Order No.
A5Q00004479	**Back nut M20**	**A5Q00004479**
	Back nut to screwed cable gland M20 x 1.5.	
	Delivery unit 10 pieces	
FDM225-RG	**Manual call point with glass plate**	**A5Q00013434**

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.
For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol	FDnet/C-NET
Operating voltage	13... 33 VDC
Quiescent current	180 µA
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
Color	red, ~RAL 3000
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	87 x 87 x 20 mm
Data sheet	009023
Accessories	FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover

Type		Order No.
FDM225-RP	**Manual call point with resettable plastic element**	A5Q00012020

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing on the plastic element. The switch is reset with the key and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.
For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol	FDnet/C-NET
Operating voltage	13... 33 VDC
Quiescent current	180 µA
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
Color	red, ~RAL 3000
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	87 x 87 x 20 mm
Data sheet	009023
Accessories	FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover

Accessories

FDMH295-R	**Back box**	A5Q00013437

Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.

Color	red, ~RAL 3000
Dimensions (W x H x D)	87 x 87 x 33 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm^2

FDMH295-S	**Back box with 2 entries**	A5Q00013438

Housing base for manual call points FDM225, FDM1101 and FDM1101A with 2 holes on top fitted with grommet for cable Ø5 mm for surface mounting.

Color	red, ~RAL 3000
Dimensions (W x H x D)	87 x 87 x 33 mm
Accessories	DBZ1190-AB Connection terminal 2.5 mm^2

Addressable Manual Call Points
MCP with Direct Operation

Type		Order No.
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00004479	**Back nut M20**	**A5Q00004479**
	Back nut to screwed cable gland M20 x 1.5.	
	Delivery unit 10 pieces	
DBZ1190-AB	**Connection terminal 2.5 mm², 3-pole**	**BPZ:4942340001**
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.	
	Cable capacity 1... 2.5 mm² Delivery unit 50 pieces	
FDMC295	**Protective cover**	**A5Q00013440**
	The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.	
	Color transparent Delivery unit 10 pieces	
FDM226-RG	**Manual call point with glass plate incl. housing base**	**A5Q00013435**
	For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.	

Communication protocol   FDnet/C-NET
Operating voltage   13... 33 VDC
Quiescent current   180 µA
Terminal block   0.28... 1.5 mm²
Operating temperature   -25... +70 °C
Storage temperature   -30... +75 °C
Relative humidity   ≤95 % (no condensation)
Protection category   IP66
Color   red, ~RAL 3000
System compatibility   FDnet -> FS20, AlgoRex, SIGMASYS
                           C-NET -> FS720
Standard   EN54-11, EN54-17
Dimensions (W x H x D)   87 x 87 (113) x 57 mm
Data sheet   009023
Accessories   FDMC295 Protective cover

Type		Order No.

FDM226-RP

Manual call point with resettable plastic element incl. housing base

A5Q00013436

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing on the plastic element. The switch is reset with the key and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.

Communication protocol	FDnet/C-NET
Operating voltage	13... 33 VDC
Quiescent current	180 µA
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP66
Color	red, ~RAL 3000
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	87 x 87 (113) x 57 mm
Data sheet	009023
Accessories	FDMC295 Protective cover

Accessories

FDMC295

Protective cover

A5Q00013440

The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.

Color	transparent
Delivery unit	10 pieces

5

Type	Order No.

FDM224__

Manual call point

For immediate manual actuation of an alarm. For indoor and outdoor application. For surface- and recess-mounted feed lines in easily accessible places. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again.
The housing FDMH293-x and the switching unit FDME224 must be ordered separately.

Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44 (IP64 with protection seal)
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	007001
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole) A5Q00010055 Locking plug M20 (2 holes)

Products to select from

FDMH293-R	See Page 5-14
FDMH293-B	See Page 5-15
FDMH293-G	See Page 5-15
FDMH293-Y	See Page 5-15
FDME224	See Page 5-15

Order No.: **FDM224__**

FDMH293-R

Housing red, with glass and key

Manual call point housing for the switching unit FDME223, FDME224.

Color	red, ~RAL 3000

Order No.: A5Q00004023

Type		Order No.

FDMH293-Y

Housing yellow, with glass and key

Manual call point housing for the switching unit FDME223, FDME224.

Color   yellow, ~RAL 1023

A5Q00004908

FDMH293-G

Housing green, with glass and key

Manual call point housing for the switching unit FDME223, FDME224.

Color   green, ~RAL 6024

A5Q00004911

FDMH293-B

Housing blue, with glass and key

Manual call point housing for the switching unit FDME223, FDME224.

Color   blue, ~RAL 5005

A5Q00004909

FDME224

Switching unit with direct alarm actuation

Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test.
The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device.

Operating voltage	12... 33 VDC
Quiescent current	200 µA
Terminal block	0.28... 1.5 mm^2

A5Q00009392

Type		Order No.
	Accessories	
DMZ1197-AD	**Protection seal**	BPZ:5470680001
	Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.	
	Delivery unit 5 pieces	
DMZ1197-AC	**Protective cover**	BPZ:5223550001
	Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.	
	Delivery unit 5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00006735	**Locking plug M20 x 1.5 (1 hole)**	A5Q00006735
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000	
	Delivery unit 10 pieces	
A5Q00010055	**Locking plug M20 x 1.5 (2 holes)**	A5Q00010055
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000	
	Delivery unit 10 pieces	

Type	Order No.

5

FDM224H__

Manual call point 'Heavy Duty'

For immediate manual actuation of a fire alarm. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again.
For indoor and outdoor application, equally suited for wet, humid and dusty areas. Only for surface mounted feed lines in easily accessible places, e.g. Tunnels, Industry.
The housing is equipped with one opening at the top and two openings at the bottom for locking plugs and for metal screwed cable glands M20.
For IP64 applications the unused openings must be locked with the V-plug.
The housing FDMH292-R and the switching unit FDME224 must be ordered separately.

Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44 (IP64 with protection seal and V-plug)
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	008345
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00010055 V-plug PA M20

Products to select from

FDME224	See Page 5-18
FDMH292-R	See Page 5-17

Order No.: FDM224H__

FDMH292-R

Housing red 'Heavy Duty'

Housing with glass, 3 pieces locking plugs M20 (2 holes), hexagonal wrench 2.5 mm and label 'Feuerwehr/Brandmelder'.

Color	red, ~RAL 3000

Order No.: A5Q00005525

Addressable Manual Call Points
MCP with Direct Operation

Type		Order No.
FDME224	**Switching unit with direct alarm actuation**	**A5Q00009392**
	Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test. The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device.	
	Operating voltage 12... 33 VDC Quiescent current 200 µA Terminal block 0.28... 1.5 mm^2	
	Accessories	
DMZ1197-AD	**Protection seal**	**BPZ:5470680001**
	Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.	
	Delivery unit 5 pieces	
DMZ1197-AC	**Protective cover**	**BPZ:5223550001**
	Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.	
	Delivery unit 5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00008131	**V-plug PA M20 x 1.5**	**A5Q00008131**
	For outdoor applications for locking the unused openings in the housing FDMH292-R to improve the higher protection category.	
	Color black	

Type		Order No.

FDM223

Manual call point complete

A5Q00008098

For immediate manual actuation of a fire alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surface- and recess-mounted feed lines in easily accessible places.
Indirect alarm actuation by smashing in the glass plate and pressing the push button. To replace the glass plate, open the housing door with the key. The push button must be reset before closing the door again.
The manual call point consists of a housing red with glass, key, switching unit, 2 labels (standard with house and Feuerwehr/Brandmelder) and 2 locking plugs (2 holes).

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	200 µA
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44 (IP64 with protection seal)
Color	red, ~RAL 3000
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	007001
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

5

Type	Order No.

FDM223__

Manual call point

For immediate manual actuation of an alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surface- and recess-mounted feed lines in easily accessible places.
Indirect alarm actuation by pushing in the glass plate and pressing the push button. To replace the glass plate, open the housing door with the key. The push button must be reset before closing the door again. The housing FDMH293-x and the switching unit FDME223 must be ordered separately.

FDM223__

Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44 (IP64 with protection seal)
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	007001
Accessories	DMZ1197-AD Protection seal
	DMZ1197-AC Protective cover
	A5Q00004478 Screwed cable gland M20
	A5Q00006735 Locking plug M20 (1 hole)
	A5Q00010055 Locking plug M20 (2 holes)

Products to select from

FDMH293-B	See Page 5-21
FDMH293-G	See Page 5-21
FDMH293-R	See Page 5-20
FDMH293-Y	See Page 5-21
FDME223	See Page 5-21

FDMH293-R

Housing red, with glass and key

Manual call point housing for the switching unit FDME223, FDME224.

Color	red, ~RAL 3000

A5Q00004023

Type		Order No.

FDMH293-Y   **Housing yellow, with glass and key**   A5Q00004908

Manual call point housing for the switching unit FDME223, FDME224.

Color	yellow, ~RAL 1023

FDMH293-G   **Housing green, with glass and key**   A5Q00004911

Manual call point housing for the switching unit FDME223, FDME224.

Color	green, ~RAL 6024

FDMH293-B   **Housing blue, with glass and key**   A5Q00004909

Manual call point housing for the switching unit FDME223, FDME224.

Color	blue, ~RAL 5005

FDME223   **Switching unit with indirect alarm actuation**   A5Q00003087

Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test.
The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device.

Operating voltage	12... 33 VDC
Quiescent current	200 µA
Terminal block	0.28... 1.5 mm^2

Type		Order No.
	Accessories	
DMZ1197-AD	**Protection seal**	BPZ:5470680001
	Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.	
	Delivery unit 5 pieces	
DMZ1197-AC	**Protective cover**	BPZ:5223550001
	Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.	
	Delivery unit 5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00006735	**Locking plug M20 x 1.5 (1 hole)**	A5Q00006735
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000	
	Delivery unit 10 pieces	
A5Q00010055	**Locking plug M20 x 1.5 (2 holes)**	A5Q00010055
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000	
	Delivery unit 10 pieces	

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Type		Order No.

FDM223H__

Manual call point 'Heavy Duty'

For immediate manual actuation of a fire alarm. Indirect alarm actuation by pushing in the glass plate and pressing the push button. To replace the glass plate, open the housing door with the key. The push button must be reset before closing the door again.
For indoor and outdoor application, equally suited for wet, humid and dusty areas. Only for surface mounted feed lines in easily accessible places, e.g. tunnels, industry.
The housing is equipped with one opening at the top and two openings at the bottom for locking plugs and for metal screwed cable glands M20.
For IP64 applications the unused openings must be locked with the V-plug.
The housing FDMH292-R and the switching unit FDME223 must be ordered separately.

FDM223H__

Communication protocol	FDnet/C-NET
Operating temperature	-25... +70 °C
Ext. alarm indicator	2
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44 (IP64 with protection seal)
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-11, EN54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	008345
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00010055 V-plug PA M20

Products to select from

FDMH292-R	See Page 5-23
FDME223	See Page 5-24

FDMH292-R

Housing red 'Heavy Duty'

Housing with glass, 3 pieces locking plugs M20 (2 holes), hexagonal wrench 2.5 mm and label 'Feuerwehr/Brandmelder'.

Color	red, ~RAL 3000

A5Q00005525

Addressable Manual Call Points
MCP with Indirect Operation

Type		Order No.
FDME223	**Switching unit with indirect alarm actuation**	**A5Q00003087**
	Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test. The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device.	
	Operating voltage 12... 33 VDC	
	Quiescent current 200 μA	
	Terminal block 0.28... 1.5 mm^2	
	Accessories	
DMZ1197-AD	**Protection seal**	**BPZ:5470680001**
	Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.	
	Delivery unit 5 pieces	
DMZ1197-AC	**Protective cover**	**BPZ:5223550001**
	Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.	
	Delivery unit 5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00008131	**V-plug PA M20 x 1.5**	**A5Q00008131**
	For outdoor applications for locking the unused openings in the housing FDMH292-R to improve the higher protection category.	
	Color black	

Type		Order No.

FDS221-R

Alarm sounder red

A5Q00004117

Loud alarming in case of fire alarm, clearly recognizable as danger signal. To be mounted on the wall or on the ceiling along escape routes, corridors, staircases. Only applicable with addressable detector base. Power is supplied via FDnet/C-NET, no auxiliary power supply required. Monitoring of device status.
For recess supply line. For surface supply line up to cable 6 mm in diameter with base FDB221, otherwise use the base attachment or the base attachment wet.
The base must be ordered separately.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Operating current	3.5 mA (sound activated)
Quiescent current	250 µA
Terminals	according to detector base
Number of sounds	11
Sound intensity	80... 99 dBA
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	red, ~RAL 3000
Protection category	With base FDB221 and base attachment FDB291 mounting on the wall with cable feed from bottom -> IP43, otherwise IP40. With base FDB221 and sealing element FDBZ295 -> IP44. With base attachment humid FDB293 -> IP54.
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-3, EN54-17
Dimensions (Ø x H)	100 x 43 mm
Data sheet	Sinteso -> 007026 Cerberus PRO -> A6V10203095
Accessories	FDBZ293 Detector locking device

5

Alarm Equipment
Alarm Sounders, Alarm Sounder Beacons

Type		Order No.

FDS221-W

Alarm sounder white

A5Q00006711

Loud alarming in case of fire alarm, clearly recognizable as danger signal. To be mounted on the wall or on the ceiling along escape routes, corridors, staircases. Only applicable with addressable detector base. Power is supplied via FDnet/C-NET, no auxiliary power supply required. Monitoring of device status.
For recess supply line. For surface supply line up to cable 6 mm in diameter with base FDB221, otherwise use the base attachment or the base attachment wet.
The base must be ordered separately.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Operating current	3.5 mA (sound activated)
Quiescent current	250 µA
Terminals	according to detector base
Number of sounds	11
Sound intensity	80... 99 dBA
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	With base FDB221 and base attachment FDB291 mounting on the wall with cable feed from bottom -> IP43, otherwise IP40. With base FDB221 and sealing element FDBZ295 -> IP44. With base attachment humid FDB293 -> IP54.
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-3, EN54-17
Dimensions (Ø x H)	100 x 43 mm
Data sheet	Sinteso -> 007026 Cerberus PRO -> A6V10203095
Accessories	FDBZ293 Detector locking device

Type	Order No.

5

FDS229-R

Alarm sounder beacon, red

A5Q00023093

Acoustic and optical alarming in case of fire alarm, clearly recognizable as danger signal. To be mounted on the wall or on the ceiling along escape routes, corridors, staircases. Only applicable with addressable detector base. Power is supplied via FDnet/C-NET, no auxiliary power supply required. Monitoring of device status.
For recess supply line. For surface supply line up to cable 6 mm in diameter with base FDB221, otherwise use the base attachment or the base attachment wet.
The base must be ordered separately.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	250 μA
Operating current	3.5 mA (sound activated)
	3.5 mA (beacon activated)
	7.0 mA (sound and beacon activated)
Terminals	according to detector base
Number of sounds	11
Number of flashing pattern	1 (intermittent)
Sound intensity	80... 99 dBA
Light intensity	1.27... 3.2 cd
Ext. alarm indicator	2
Operating temperature	-25... +55 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	transparent red
Protection category	With base FDB221 and base attachment FDB291 mounting on the wall with cable feed from bottom -> IP43, otherwise IP42.
	With base FDB221 and sealing element FDBZ295 -> IP44.
	With base attachment humid FDB293 -> IP54.
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	EN54-3, EN54-17
Dimensions (Ø x H)	100 x 43 mm
Data sheet	Sinteso -> A6V10067776
	Cerberus PRO -> A6V10229545
Accessories	FDBZ293 Detector locking device

Alarm Equipment
Alarm Sounders, Alarm Sounder Beacons

Type		Order No.

FDS229-A   **Alarm sounder beacon, orange**   A5Q00023092

Acoustic and optical alarming in case of fire alarm, clearly recognizable as danger signal. To be mounted on the wall or on the ceiling along escape routes, corridors, staircases. Only applicable with addressable detector base. Power is supplied via FDnet/C-NET, no auxiliary power supply required. Monitoring of device status.
For recess supply line. For surface supply line up to cable 6 mm in diameter with base FDB221, otherwise use the base attachment or the base attachment wet.
The base must be ordered separately.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	250 µA
Operating current	3.5 mA (sound activated)
	3.5 mA (beacon activated)
	7.0 mA (sound and beacon activated)
Terminals	according to detector base
Number of sounds	11
Number of flashing pattern	1 (intermittent)
Sound intensity	80... 99 dBA
Light intensity	1.1... 2.8 cd
Ext. alarm indicator	2
Operating temperature	-25... +65 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	transparent orange
Protection category	With base FDB221 and base attachment FDB291 mounting on the wall with cable feed from bottom -> IP43, otherwise IP42. With base FDB221 and sealing element FDBZ295 -> IP44. With base attachment humid FDB293 -> IP54.
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-3, EN54-17
Dimensions (Ø x H)	100 x 43 mm
Data sheet	Sinteso -> A6V10067776 Cerberus PRO -> A6V10229545
Accessories	FDBZ293 Detector locking device

Accessories

FDBZ293   **Detector locking device**   A5Q00005035

Threaded pin M3 x 6 to protect detector against theft.
Scope of delivery
2 hexagonal wrenches
100 threaded pins

Alarm Equipment
Bases for Alarm Sounders, Alarm Sounder Beacons

Type		Order No.

FDB221

Detector base addressable

A5Q00001664

Base made from impact-proof and scratch-resistant synthetic material. Large opening in the detector base permits the reuse of existing bore-holes from older systems. Screwless connection terminals 'orange'. Space for auxiliary terminals as micro terminals 0.5 mm^2 or connection terminals 2.5 mm^2.
For equipment with addressable signal processing.
For recess supply wiring. For surface supply wiring, cable diameter up to 6 mm.

Cable capacity	0.2... 1.5 mm^2
Dimensions (Ø x H)	100 x 22 mm
Color	white, ~RAL 9010
Data sheet	Sinteso -> 007775
	Cerberus PRO -> A6V10203095, A6V10229545
Accessories	FDBZ291 Designation plate
	DBZ1190-AA Micro terminal 0.5 mm^2
	DBZ1190-AB Connection terminal 2.5 mm^2
	FDB291 Base attachment
	FDB293 Base attachment wet

FDB222

Detector base flat, addressable

S54319-F1-A1

Base made from impact-proof and scratch-resistant synthetic material. Large opening in the detector base permits the reuse of existing bore-holes from older systems. Screwless connection terminals 'orange'. Space for auxiliary terminals as micro terminals 0.5 mm^2 or connection terminals 2.5 mm^2.
For equipment with addressable signal processing.
For recess supply wiring.

Cable capacity	0.2... 1.5 mm^2
Dimensions (Ø x H)	100 x 22 mm
Color	white, ~RAL 9010
Data sheet	Sinteso -> 007775
	Cerberus PRO -> A6V10203095, A6V10229545
Accessories	FDBZ291 Designation plate
	DBZ1190-AA Micro terminal 0.5 mm^2
	DBZ1190-AB Connection terminal 2.5 mm^2
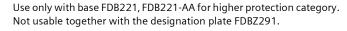
Accessories

FDBZ295

Sealing element

S54319-F10-A1

Use only with base FDB221, FDB221-AA for higher protection category. Not usable together with the designation plate FDBZ291.

Dimensions (Ø x H)	107 x 30 mm
Color	white, ~RAL 9010

Alarm Equipment
Bases for Alarm Sounders, Alarm Sounder Beacons

Type			Order No.
FDBZ291	**Designation plate**		A5Q00002621
	To identify the location address for detector bases.		
	Dimensions (W x H)	62 x 35 mm	
	Color	transparent	
	Delivery unit	10 pieces	
DBZ1190-AA	**Micro terminal 0.5 mm², 4-pole**		BPZ:4677080001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		
	Cable capacity	0.28... 0.5 mm²	
	Dimensions (W x H x D)	10 x 7 x 10 mm	
	Delivery unit	50 pieces	
DBZ1190-AB	**Connection terminal 2.5 mm², 3-pole**		BPZ:4942340001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		
	Cable capacity	1... 2.5 mm²	
	Dimensions (W x H x D)	13.5 x 9.5 x 19.5 mm	
	Delivery unit	50 pieces	
FDB291	**Base attachment**		A5Q00001603
	For the supply of surface-mounted lines ≥∅6 mm. The detector base FDB2xx is fixed with a spring-loaded catch. Mounting slots 46... 90 mm.		
	Dimensions (∅ x H)	120 x 25 mm	
	Color	white, ~RAL 9010	
	Accessories	FDBZ291 Designation plate	
FDB293	**Base attachment humid with seal**		A5Q00003945
	For mounting in humid or wet environments, and when the detector-heating unit is used. 6 break out plugs for screwed cable gland M20. For IP54 applications.		
	Dimensions (W x H x D)	135 x 135 x 49 mm	
	Color	white, ~RAL 9010	
	Accessories	DBZ1194 Protective cage FDBZ294 EMC protective cage (only for Sinteso point detectors) A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate	

Alarm Equipment
Bases for Alarm Sounders, Alarm Sounder Beacons

Type		Order No.

DBZ1194

Protective cage

BPZ:4677110001

To protect the detector from damage. Can only be used together with the base attachment humid.

Dimensions (Ø x H)	160 x 126 mm

A5Q00004478

Screwed cable gland M20 x 1.5

A5Q00004478

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

DBZ1193A

Detector designation plate

BPZ:4864330001

To indicate a location address. To number detectors according to installation drawings. The font may be up to 10 mm in an area of 60 x 20 mm. The detector designation plate is connected directly to the base (Synova) or base attachment (Synova, Sinteso).

Dimensions (W x H)	62 x 52 mm
Color	transparent
Delivery unit	10 pieces

Alarm Equipment
Sounder Base for Automatic Detectors

Type			Order No.
DBS720	**Sounder base**		**S54319-F5-A1**

Compatible with all point detectors of the series Cerberus PRO.
The sounder base DBS720 and the detector compose a single unit, which already has a base and is mounted on ceilings, e.g. in hotel rooms, hospitals or nursing homes.
The sounder base serves for acoustic alarming in the addressed FS720 fire detection system. The sounder base can be allocated freely from the fire control panel to activate as required. It is not dependent upon an alarm signal from its associated detector.
Synchronized with all other alarm sounder and sounder beacon devices in the same detector line (C-NET).
No auxiliary power supply required; power is supplied via C-NET.
For recess supply wiring. For surface supply wiring, remove the corresponding breakouts for cable diameter up to max. Ø8 mm.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	150 µA
Alarm current	1.2 mA
Cable capacity	0.2... 1.6 mm^2
Number of sounds	11
Sound intensity	80... 88 dBA
Ext. alarm indicator	2
Operating temperature	-25... +70 °C
Storage temperature	-30... +70 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP41 IP42 with detector base seal RS720
System compatibility	C-NET -> FS720
Standard	EN54-3
Dimensions (W x H x D)	175 x 117 x 29 mm
Data sheet	A6V10203095
Accessories	FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm^2 DBZ1190-AB Connection terminal 2.5 mm^2

Accessories

Type			Order No.
FDBZ291	**Designation plate**		**A5Q00002621**

To identify the location address for detector bases.

Dimensions (W x H)	62 x 35 mm
Color	transparent
Delivery unit	10 pieces

Type			Order No.
RS720	**Detector base seal**		**S54319-F8-A1**

Seal for higher protection category.
Compatible with base DB720 and sounder base DBS720.
Not usable together with the designation plate FDBZ291.

Dimensions (Ø x H)	119 x 6.5 mm
Color	transparent
Delivery unit	10 pieces

Type	Order No.

DBZ1190-AA   **Micro terminal 0.5 mm², 4-pole**   **BPZ:4677080001**

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	0.28... 0.5 mm²
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

DBZ1190-AB   **Connection terminal 2.5 mm², 3-pole**   **BPZ:4942340001**

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm²
Dimensions (W x H x D)	13.5 x 9.5 x 19.5 mm
Delivery unit	50 pieces

Alarm sounder tones

No.	Tonality	Frequency pattern Sweep from – to	Pulse pattern	Adjustable sound intensity level (typ. values in [dBA/1m]*)		Norm
				at 12 V	at 32 V	
1	Continuous	970 Hz		98 88 81	101 92 82	"evacuate" BS 5839 Part 1 1988
2	Intermittent	950 Hz	1s 1s	96 87 79	100 91 81	"alert" BS 5839 Part 1 1988
3	Sweep-down	1200 Hz – 500 Hz	1s	96 87 79	100 91 80	DIN-Tone DIN33404 Part 3
4	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz	3.5 s 0.5 s	97 88 81	101 92 82	NEN2575 (Netherlands)
5	Pulse tone	500 Hz	0.15 s 0.1 s	94 85 75	97 88 75	Swedish Standard SS 03 17 11, No. 1 "Imminent Danger"
6	Intermittent	500 Hz	0.15 s 0.6 s	93 84 75	96 87 75	Swedish Standard SS 03 17 11, No. 6 "Local Warning"
7	Continuous	500 Hz		94 85 76	97 88 76	Swedish Standard SS 03 17 11, No. 4 "All clear"
8	Alternating	560 Hz 440 Hz	0.1s 0.4 s	94 85 75	98 89 76	"French fire sound" NF S 32-001-1975
9	Intermittent	420 Hz	0.6 s 0.65 s	94 85 76	98 89 77	Australia "Alert" AS 2220 -1978
10	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz	3.75 s 0.25 s	96 89 81	100 93 82	Australia "Action" AS 2220 -1978
11	Intermittent	970 Hz	0.5 s 0.5 s 1.5 s	99 89 82	102 92 83	ISO 8201 US Temporal Tone LF

* Sound intensity ±2dBA
  Sound intensity depending on the angle, see 'Operating instruction 008109'

Type	Order No.

FDCL221

Line separator

A5Q00004011

To avoid the breakdown of several stub lines in case of a short circuit, line separators may be inserted. The line separator is used where several stub lines are connected to the FDnet/C-NET at one point , if no other device is given between the T-tap. For retrofitting of existing, collective systems to addressable Sinteso/Cerberus PRO fire detection systems. The separator is an electronic switch, integrated into the FDnet/C-NET. It separates the negative conductor in case of a short circuit, so that the short circuit-free side can continue to operate. The separator has 2x2 connectors for the detector line. Yellow LED for the status indication signals the short circuit separation.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	250 µA
Operating temperature	-25... +70 °C
Storage temperature	-30... +80 °C
Relative humidity	≤95 %
Color	transparent
Protection category	IP44
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	EN54-17
Dimensions (W x H x D)	44 x 47.5 x 10 mm
Data sheet	007065
Accessories	TS35_122 U-rail TS35_288 U-rail

Accessories

TS35_122
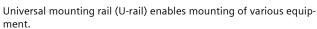
U-rail TS35/7.5/122

BPZ:5644780001

Universal mounting rail (U-rail) enables mounting of various equipment.

Dimensions (W x H)	35 x 122 mm

TS35_288

U-rail TS35/7.5/288

BPZ:5644230001

Universal mounting rail (U-rail) enables mounting of various equipment.

Dimensions (W x H)	35 x 288 mm

Type		Order No.

FDCI221 **Input module** **S54312-F1-A1**

For the connection of 1 circuit of potential-free make-or-break contact for the indication of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).
1 input for potential-free contact. Input line is monitored for open line and short circuit (termination resistors). The input can be configured via the fire control panel for status or alarm messages.
Status indication by LED. Power supply via FDnet/C-NET.
Input module incl. 2 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	max. 0.3 mA
Cable capacity	0.2... 1.5 mm^2 (2.5 mm^2)
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30
	IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20
	C-NET -> FS720
Standard	EN54-17, EN54-18
Dimensions (W x H x D)	95 x 71 x 23 mm
Data sheet	A6V10202196
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

FDCI222 **Input module** **A5Q00001984**

For the connection of 4 independent circuits of potential-free, make-or-break contacts for the indication of technical states (e.g. door or venti-lation control) or for alarm actuation (e.g. sprinkler alarm).
4 inputs for potential-free contacts. Input lines are monitored for open line and short circuit (termination resistors). Inputs can be independ-ently configured via the fire control panel for status or alarm messages.
Status indication by LED. Power supply via FDnet/C-NET.
Input module incl. 8 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	0.25... 0.35 mA
Cable capacity	0.2... 1.5 mm^2 (2.5 mm^2)
Operating temperature	-25... +60 °C
Storage temperature	-30... +65 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30
	IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	CEA GEI 1-84, EN54-17, EN54-18
Dimensions (W x H x D)	130 x 90 x 20 mm
Data sheet	007024
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

Type		Order No.
FDCIO221	**Input/Output module**	**S54312-F2-A1**

For the connection of 1 circuit of potential-free make-or-break contact for the indication of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm). For the decentralized control of fire doors, ventilation and air conditioning.
1 input for potential-free contact. The input line is monitored for open line and short circuit (termination resistors). The input can be configured via the fire control panel for status or alarm message. 1 output configurable as a potential-free relay contact (30 VAC/VDC, 2 A) or as a monitored circuit (30 VDC, 2 A).
Status indication by LED. Power supply via FDnet/C-NET in potential-free mode. Monitored mode requires additional 24 VDC power supply. Input/output module incl. 3 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	max. 0.4 mA
Relay output (volt-free)	30 VAC, 2 A, max 60 VA
	30 VDC, 2 A, max 60 W
Cable capacity	0.2... 2.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30
	IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20
	C-NET -> FS720
Standard	EN54-17, EN54-18
Dimensions (W x H x D)	95 x 71 x 23 mm
Data sheet	A6V10202196
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

Type		Order No.

FDCIO222

A5Q00002369

Input/output module

For the connection of 4 independent, potential-free, make-or-break contacts for the indication of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).
4 inputs for potential-free contacts. Input lines are monitored for open line and short circuit (termination resistors). Inputs can be independently configured via the fire control panel for status or alarm messages.
4 outputs with 4 potential-free relay contacts (230 VAC / 4 A) for fire control installations.
Status indication by LED. Power supply via FDnet/C-NET.
Input/output module incl. 8 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	0.6... 0.75 mA
Relay output (volt-free)	250 VAC, 4 A, max. 1000 VA
	30 VDC, 4 A, max. 120 W
Cable capacity	0.2... 1.5 mm^2 (2.5 mm^2)
Operating temperature	-25... +60 °C
Storage temperature	-30... +65 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30
	IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	CEA GEI 1-84, EN54-17, EN54-18
Dimensions (W x H x D)	130 x 90 x 20 mm
Data sheet	007024
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

Type	Order No.

FDCIO224

Input/output module

A5Q00018689

For the VdS interface for extinguishing activating devices. 4 inputs for potential-free contacts. Input lines are monitored for open line and short circuit (termination resistors). Inputs can be independently configured via the fire control panel for status or alarm messages.
4 outputs with 4 potential-free relay contacts (230 VAC / 4 A) for the VdS interface for extinguishing controls. Status indication by LED. Power supply via FDnet/C-NET.
Input/output module incl. 8 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol	FDnet/C-NET
Operating voltage	12... 33 VDC
Quiescent current	0.6... 0.75 mA
Relay output (volt-free)	250 VAC, 4 A, max. 1000 VA
	30 VDC, 4 A, max. 120 W
Cable capacity	0.2... 1.5 mm^2 (2.5 mm^2)
Operating temperature	-25... +60 °C
Storage temperature	-30... +65 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30
	IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Standard	CEA GEI I-084, EN54-17, EN54-18
Dimensions (W x H x D)	130 x 90 x 20 mm
Data sheet	007024
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

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Type	Order No.

FDCIO223

Input/output module 'Transponder'

S24218-B102-A1

For connection of collective fire detectors (GMT/conventional line, GMT/conventional line with shunt-Zener-diode barrier (SB3) for explosion-hazard areas). For monitored controls of e.g. smoke dampers, alarm devices, door magnets and extinguishing activation devices (adhere to country-specific instructions). Monitored signal input for status and alarm messages or for acknowledging technical status. The 2 input/outputs can be parameterized autonomously in each case as detector line collective, contact input, control output, control output and input as acknowledgement with selectable monitoring time frame. Status indication by LED.
Transponder incl. 2 Transzorb diode 20 V, 8 resistors and 2 mounting feet for TS35 U-rail.

Power supply	External input voltage 18... 32 VDC
Communication protocol	FDnet/C-NET
Operating voltage	FDnet/C-NET 12... 33 VDC
Detector line	collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300, collective/SynoLINE600 or similar
Control output	24 VDC ±5 % / 2 A
EOL resistor	3.3 kΩ/680 Ω, 2.7 kΩ/560 Ω, 3.3 kΩ
Cable capacity	0.2... 1.5 mm^2 (2.5 mm^2)
Operating temperature	-25... +60 °C
Storage temperature	-30... +65 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30 IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	CEA GEI I-084, EN54-17, EN54-18
Dimensions (W x H x D)	132 x 90 x 24 mm
Data sheet	009168
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Type		Order No.
TS35_122	**U-rail TS35/7.5/122**	**BPZ:5644780001**
	Universal mounting rail (U-rail) enables mounting of various equipment.	
	Dimensions (W x H) 35 x 122 mm	
TS35_288	**U-rail TS35/7.5/288**	**BPZ:5644230001**
	Universal mounting rail (U-rail) enables mounting of various equipment.	
	Dimensions (W x H) 35 x 288 mm	
FDCH221	**Housing for input/output modules**	**S54312-F3-A1**
	Housing with seal for the mounting of the input/output modules for wet applications. The required screwed cable glands and back nuts M20 must be ordered separately.	
	Dimensions (W x H x D) 207 x 119 x 48 mm Color white, ~RAL 9010 / transparent matt Protection category IP65 Accessories A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20	
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00004479	**Back nut M20**	**A5Q00004479**
	Back nut to screwed cable gland M20 x 1.5.	
	Delivery unit 10 pieces	
DBZ1190-AB	**Connection terminal 2.5 mm^2, 3-pole**	**BPZ:4942340001**
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.	
	Cable capacity 1... 2.5 mm^2 Delivery unit 50 pieces	

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Floor Repeater Panels, Mimic Display
Floor Repeater Terminals

Type	Order No.

FT2010-A1

Floor repeater terminal

Small floor repeater operation and display panel with large backlit display and plain text readout (6 lines of 40 characters each) for use with the addressed Sinteso FS20 and Cerberus PRO FS720 fire detection system.

The personnel responsible at the customer's premises have access to a clearly structured user interface for customer-specific plain texts to enable exact localization of events. Sections and zones operated and visualized using the floor repeater terminal can be configured. Display of alarms, pre-alarms, technical messages, faults, isolations possible. With the navigation keys an indicated list in the display can be scrolled through. Acknowledgement and resetting of events. Event text identical with the fire control panel or fire terminal. Nordic key switch for operating access may be replaced by key switch (Kaba).

Power supply via FDnet/C-NET, separate 24 V power supply possible. The floor repeater terminal can be operated in loops or stub lines.

A5Q00014104

Operating voltage	12... 32 VDC
Supply voltage	20... 30 VDC
	15... 18 VAC (external supply input)
Current consumption	5 mA @ 24 V (quiescent current, LCD illumination inactive)
	45 mA @ 24 V (max. current, LCD illumination active)
Communication protocol	FDnet/C-NET
Cable capacity	0.8... 1.5 mm^2
Color	grey, ~RAL 7035
Dimensions (W x H x D)	282 x 207 x 79 mm
Operating temperature	-8... +42 °C
Storage temperature	-20... +60 °C
Protection category	IP30
Relative humidity	≤95 % (no condensation)
Standard	EN54-17, EN54-18
System compatibility	FDnet -> FS20
	C-NET -> FS720
Data sheet	009393
Accessories	FHA2013-A1 Rear (FT201x flat)
	FTO2005-C1 Key switch (Kaba)

Type		Order No.

5

FT2010-C1 | **Floor repeater terminal** | **S54400-F34-A1**

Small floor repeater operation and display panel with large backlit display and plain text readout (6 lines of 40 characters each) for use with the addressed Sinteso FS20 and Cerberus PRO FS720 fire detection system.

The personnel responsible at the customer's premises have access to a clearly structured user interface for customer-specific plain texts to enable exact localization of events. Sections and zones operated and visualized using the floor repeater terminal can be configured. Display of alarms, pre-alarms, technical messages, faults, isolations possible. With the navigation keys an indicated list in the display can be scrolled through. Acknowledgement and resetting of events. Event text identical with the fire control panel or fire terminal. Kaba key switch for operating access and sheet metal flat rear. Power supply via FDnet/C-NET, separate 24 V power supply possible.

The floor repeater terminal can be operated in loops or stub lines.

Operating voltage	12... 32 VDC
Supply voltage	20... 30 VDC
	15... 18 VAC (external supply input)
Current consumption	5 mA @ 24 V (quiescent current, LCD illumination inactive)
	45 mA @ 24 V (max. current, LCD illumination active)
Communication protocol	FDnet/C-NET
Cable capacity	0.8... 1.5 mm^2
Color	grey, ~RAL 7035
Dimensions (W x H x D)	282 x 207 x 46 mm
Operating temperature	-8... +42 °C
Storage temperature	-20... +60 °C
Protection category	IP30
Relative humidity	≤95 % (no condensation)
Standard	EN54-17, EN54-18
System compatibility	FDnet -> FS20
	C-NET -> FS720
Data sheet	009393

Floor Repeater Panels, Mimic Display
Floor Repeater Display

Type		Order No.

FT2011-A1

Floor repeater display

A5Q00017706

Small floor repeater display panel with large backlit display and plain text readout (6 lines of 40 characters each) for use with the addressed Sinteso FS20 and Cerberus PRO FS720 fire detection system.
The personnel responsible at the customer's premises have access to a clearly structured user interface for customer-specific plain texts to enable events to be localized unambiguously. Sections and zones visualized using the floor repeater display can be configured. Display of alarms, pre-alarms, technical messages, faults, isolations possible. With the navigation keys an indicated list in the display can be scrolled through. The internal buzzer can be switched off in case of alarm messages. Event text identical with the fire control panel or fire terminal. Power supply via FDnet/C-NET, separate 24 V power supply possible. The floor repeater display can be operated in loops or stub lines.

Operating voltage	12... 32 VDC
Supply voltage	20... 30 VDC
	15... 18 VAC (external supply input)
Current consumption	5 mA @ 24 V (Quiescent current, LCD illumination inactive)
	45 mA @ 24 V (max. current, LCD illumination active)
Communication protocol	FDnet/C-NET
Cable capacity	0.8... 1.5 mm^2
Color	grey, ~RAL 7035
Dimensions (W x H x D)	282 x 207 x 79 mm
Operating temperature	-8... +42 °C
Storage temperature	-20... +60 °C
Protection category	IP30
Relative humidity	≤95 % (no condensation)
Standard	EN54-17, EN54-18
System compatibility	FDnet -> FS20
	C-NET -> FS720
Data sheet	009393
Accessories	FHA2013-A1 Rear (FT201x flat)

Accessories

FHA2013-A1

Rear (FT201x flat)

A5Q00016552

Flat rear when really flat installation is required and the cable is flush mounted. In place of the rear supplied with the floor repeater terminal or floor repeater display.

Dimensions (W x H x D)	271 x 191 x 27.5 mm
Material	Zinc-plated sheet metal

FTO2005-C1

Key switch (Kaba)

A5Q00010113

Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).

Floor Repeater Panels, Mimic Display
Mimic Display Driver

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Type	Order No.

FT2001-A1 · **Mimic display driver** · A5Q00014417

The FT2001-A1 has 2x24 outputs for LED activation for mimic display panels. Connection to LED via flat cable F50F410 (50-wire, 24 red LEDs, cable length 1 m, must be ordered separately). 2 control outputs for 'Local buzzer' and 'LED operation'. 2 inputs for 'Switch-off buzzer' and 'Lamp test'. Integrated line separator.
Power supply via FDnet/C-NET, separate 24 V power supply possible. The mimic display driver can be operated in loops or stub lines.
MC-Link plug-in point for firmware update.

Operating voltage	12... 32 VDC
Operating current	max. 45 mA
Quiescent current	max. 5 mA
Operating LED output	max. 2.5 mA @ 2.5 VDC
Buzzer output	max. 5 mA @ 12 VDC
Key input (buzzer off, lamp test)	2
External supply input	14... 32 VDC, galvanically isolated
	11... 22 VAC, galvanically isolated
Communication protocol	FDnet/C-NET
Cable capacity	0.08... 1.5 mm^2
Dimensions (W x H x D)	106 x 200 x 45 mm
Operating temperature	0... +40 °C
Storage temperature	-20... +60 °C
Protection category	IP30 (3rd party housing)
Relative humidity	≤95 %
Standard	EN54-17, EN54-18
System compatibility	FDnet -> FS20
	C-NET -> FS720
Data sheet	A6V10082691
Accessories	F50F410 LED flat cable 50-wire

Accessories

F50F410 · **LED flat cable 50-wire, with 24 red LEDs** · BPZ:5291410001

Two F50F410 LED cables can be connected directly to the mimic display driver to offer a total of 48 (2x24) red LEDs. The LEDs can be easily configured via the configuration tools.

Cable length	1 m

Cerberus PRO – providing fast reliable detection with patented technology

Reliable detection thanks to special algorithms

Fast and reliable fire detection is essential to protect people and assets. The Cerberus PRO detector range is the ideal solution – even if occasional deceptive phenomena occur. Because the detectors offer special algorithms and selectable parameter sets, they can be adjusted to the expected environmental conditions. The product portfolio comprises a multi-sensor smoke detector for all types of fire, an optical smoke detector for slow-burning, smoke generating fire and heat detectors to detect rapid temperature rise. A broad range of special detectors – from linear beam detectors, infrared flame detectors, flame detectors to Ex detectors – rounds off the clever Cerberus PRO offering. For more information, please visit **www.siemens.com/cerberus**

Answers for infrastructure.

SIEMENS

Type		Order No.

DJ1191

Alarm indicator (frame mounting)

The alarm indicator is connected in parallel to automatic fire detectors in order to indicate quickly the source of an alarm signal from detectors that are not easily accessible or visible. The alarm indicator contains an indicator lamp unit with one or two LEDs. They light up as soon as a connected fire detector gives an alarm.
Screwless connection terminals.
The alarm indicator is suitable for door frames.

BPZ:4783280001

Operating voltage	5... 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm^2
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 17 mm
Data sheet	Sinteso -> 001520
	Cerberus PRO -> A6V10229141

DJ1192

Alarm indicator (surface mounting)

The alarm indicator is connected in parallel to automatic fire detectors in order to indicate quickly the source of an alarm signal from detectors that are not easily accessible or visible. The alarm indicator contains an indicator lamp unit with one or two LEDs. They light up as soon as a connected fire detector gives an alarm.
Screwless connection terminals.
The alarm indicator is suitable for wall mounting.

BPZ:4783310001

Operating voltage	5... 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm^2
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 25 mm
Data sheet	Sinteso -> 001520
	Cerberus PRO -> A6V10229141
Accessories	AI330 Adapter frame

AI330

Adapter frame for alarm indicator

By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

BPZ:3169430001

Dimensions (W x H x D)	85 x 85 x 16 mm

6
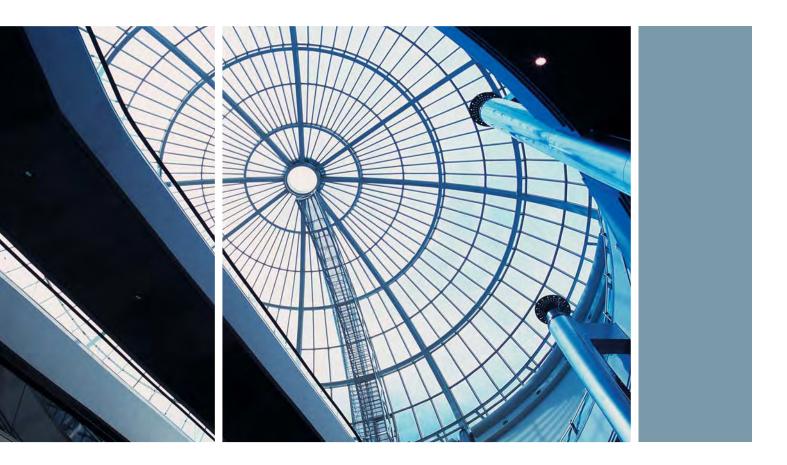
Fire protection with SynoLINE – no problems before switching on

SynoLINE has been designed from scratch to combine excellent performance with the simplest possible installation, start-up, maintenance, and daily use. As a result, the installer can work more efficiently. And the user can start managing his affairs after a shorter period.

- Attractive, environmentally aware design
- Blends unobtrusively into any room
- Superior resistance to contamination and electromagnetic interference
- Screwless connection technology
- High stability against lightning
- Short-circuit-proof output for the connection of external alarm indicators
- Wide variation of accessories for countless applications

Conventional fire detectors – point detectors

SOA322
Base attachment for surface mounting

Connection terminal DBZ1190-AB

SO320
Base for Synova 300 series detectors

Detector locking device TP320

Optical smoke detector OP320C

Conventional Line SynoLINE300
Conventional Detectors Synova 300 Series

Type		Order No.

OP320C

Optical smoke detector

BPZ:5081460001

The OP320C has an excellent all-round performance within the Synova 300 range. It has a completely new optical chamber and the latest electronics which open up new dimensions in safety and functionality.
The base SO320 must be ordered separately.

Operating voltage	16... 28 VDC
Operating current	no smoke max. 100 μA
	with smoke max. 170 μA
Operating temperature	-10... +55 °C
Protection category	IP44
Standard	EN54-7
Color	white, ~RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 44 mm (incl. base)
Delivery unit	2 pieces
Data sheet	006801

OH320C

Smoke detector, conventional multi-sensor

BPZ:5364190001

The OH320C is the most sensitive detector in the Synova 300 range. It has a completely new and patented optical system and the latest electronics. This opens up new dimensions with regard to safety and functionality.
The base SO320 must be ordered separately.

Operating voltage	16... 28 VDC
Operating current	no smoke max. 100 μA
	with smoke max. 170 μA
Operating temperature	-10... +55 °C
Protection category	IP44
Standard	EN54-7
Color	white, ~RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 52 mm (incl. base)
Delivery unit	2 pieces
Data sheet	006886

HI320C

Heat detector (rate of rise and maximum)

BPZ:5081590001

The HI320C is an extremely reliable rate of rise and maximum temperature detector for demanding applications. It is characterized by reliable response behavior, not only in the event of temperature rises which are slow, but also where the temperature rises are fast.
The base SO320 must be ordered separately.

Operating voltage	16... 28 VDC
Quiescent current	max. 100 μA
Operating temperature	-10... +50 °C
Protection category	IP44
Standard	EN54-5: A1R
Color	white, ~RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 36 mm (incl. base)
Delivery unit	2 pieces
Data sheet	006885

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Conventional Line SynoLINE300
Conventional Detectors Synova 300 Series

Type		Order No.

HI322C

Heat detector (maximum)

BPZ:5316470001

The HI322C is a reliable heat detector for locations in which there are large fluctuations in temperature. It continuously measures the ambient temperature and reacts if there is a sustained overshoot of defined maximum values.
The base SO320 must be ordered separately.

Operating voltage	16... 28 VDC
Quiescent current	max. 100 µA
Operating temperature	-10... +50 °C
Protection category	IP44
Standard	EN54-5: A2
Color	white, ~RAL 9010 (can be sprayed a different color)
Dimensions (Ø x H)	100 x 36 mm (incl. base)
Delivery unit	2 pieces
Data sheet	006802

SO320

Base for Synova 300 series detectors

BPZ:5085990001

Base made of impact, scratch-proof plastic and environmentally safe materials. The base is completely covered by the detector. It fits all Synova 300 series detectors, conventional and addressable. Standard click-concept, with screwless terminals for easy installation. Click-in connection for alarm indicators is standard on the base. Fits all standard flush mounting boxes from 55 to 80 mm.

Cable capacity	0.2... 1.5 mm^2
Color	white, ~RAL 9010
Delivery unit	6 pieces
Accessories	SOA322 Base attachment for surface mounting
	TP320 Detector locking device

Accessories

SOA322

Base attachment for surface mounting

BPZ:5358340001

Base attachment for feeding in surface wiring and to provide more wire space. It may also be used as a junction box where up to 30 wires can be connected. Up to 10 connection terminals DBZ1190-AB can be clicked into to the base attachment SOA322. The base SO320 is mounted using a spring-loaded catch.

Dimensions (Ø x H)	100 x 20 mm
Cable capacity	0.2... 2.5 mm^2
Color	white, ~RAL 9010
Delivery unit	6 pieces
Accessories	DBZ1190-AB Connection terminal 2.5 mm^2

DBZ1190-AB

Connection terminal 2.5 mm^2, 3-pole

BPZ:4942340001

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm^2
Delivery unit	50 pieces

Type		Order No.
TP320	**Detector locking device**	**BPZ:5093100001**
	To protect the detector from theft. Mounts on the detector base SO320.	
	Delivery unit 50 pieces	

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Type		Order No.
FDM1101A-RG	**Manual call point with glass plate**	**S54371-F6-A3**

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.
For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol	conventional/SynoLINE300
Operating voltage	max. 28 VAC or VDC
Operating current	100 mA... max. 1 A
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
Color	red, ~RAL 3000
Standard	EN54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Data sheet	A6V10206486
Accessories	FDMH295-R housing base
	FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm
	FDMC295 Protective cover

Type		Order No.
FDM1101A-RP	**Manual call point with resettable plastic element**	**S54371-F6-A4**

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing on the plastic element. The switch is reset with the key and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.
For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol	conventional/SynoLINE300
Operating voltage	max. 28 VAC or VDC
Operating current	100 mA... max. 1 A
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
Color	red, ~RAL 3000
Standard	EN54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Data sheet	A6V10206486
Accessories	FDMH295-R housing base
	FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm
	FDMC295 Protective cover

Type		Order No.
	Accessories	
FDMH295-R	**Back box**	A5Q00013437

Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.

Color	red, ~RAL 3000
Dimensions (W x H x D)	87 x 87 x 33 mm
Accessories	A5Q00004478 Screwed cable gland M20
	A5Q00004479 Back nut M20
	DBZ1190-AB Connection terminal 2.5 mm^2

Type		Order No.
FDMH295-S	**Back box with 2 entries**	A5Q00013438

Housing base for manual call points FDM225, FDM1101 and FDM1101A with 2 holes on top fitted with grommet for cable Ø5 mm for surface mounting.

Color	red, ~RAL 3000
Dimensions (W x H x D)	87 x 87 x 33 mm
Accessories	DBZ1190-AB Connection terminal 2.5 mm^2

Type		Order No.
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

Type		Order No.
A5Q00004479	**Back nut M20**	A5Q00004479

Back nut to screwed cable gland M20 x 1.5.

Delivery unit	10 pieces

Type		Order No.
DBZ1190-AB	**Connection terminal 2.5 mm^2, 3-pole**	BPZ:4942340001

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm^2
Delivery unit	50 pieces

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Type		Order No.

FDMC295

Protective cover

The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.

Color	transparent
Delivery unit	10 pieces

A5Q00013440

Type	Order No.

AI320

Alarm indicator (frame mounting)

The AI320 alarm indicator is the visual parallel indication for fire detectors used on the SynoLINE300 detector line. It is provided with a dark red luminous element, fitted with LEDs. The alarm indicator is ideally used where the fire detector is difficult to see (e.g. hotel rooms, switching cabinets). The AI320 is suitable for door frames.

BPZ:5163030001

Operating voltage	6... 28 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm^2
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 17 mm
Color	white, ~RAL 9010
Data sheet	007267

AI322

Alarm indicator (surface mounting)

BPZ:5163160001

The AI322 alarm indicator is the visual parallel indication for fire detectors used on the SynoLINE300 detector line. It is provided with a dark red luminous element, fitted with LEDs. The alarm indicator is ideally used where the fire detector is difficult to see (e.g. hotel rooms, switching cabinets). The AI322 is suitable for surface wall mounting.

Operating voltage	6... 28 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm^2
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 25 mm
Color	white, ~RAL 9010
Data sheet	007267
Accessories	AI330 Adapter frame

Accessories

AI330

Adapter frame for alarm indicator

BPZ:3169430001

By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

Dimensions (W x H x D)	85 x 85 x 16 mm

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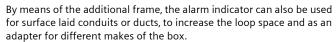
Type		Order No.
DO1101A	**Smoke detector, collective wide spectrum**	**BPZ:4930020001**

The DO1101A has a high performance opto-electronic sensor system. It has uniform response behavior for different types of fire. It has a high resistance to soiling and temperature fluctuation.
The base DB1101A must be ordered separately.

Operating voltage	16... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +60 °C
Protection category	IP44
Standard	EN54-7
Dimensions (Ø x H)	115 x 51 mm (incl. base)
Color	white, ~RAL 9010
Data sheet	001578

Type		Order No.
DT1101A	**Heat detector**	**BPZ:4931700001**

The DT1101A has precise maximum temperature alarm activation with a quality thermo sensor. It has response behavior immune to deceptive phenomena with rapid and slow increases in temperature. Heat detector with wide application range up to +50 °C. For the monitoring of rooms and installations where in the event of fire, a rapid increase in temperature can be expected, or other types of detector cannot be used due to operational reasons.
The base DB1101A must be ordered separately.

Operating voltage	16... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +50 °C
Protection category	IP44
Standard	EN54-5: A1R
Dimensions (Ø x H)	115 x 54.5 mm (incl. base)
Color	white, ~RAL 9010
Data sheet	001578

Type		Order No.
DT1102A	**Heat detector**	**BPZ:4931830001**

The DT1102A has precise maximum temperature alarm activation with a quality thermo sensor. It has response behavior immune to deceptive phenomena with rapid and slow increases in temperature. Heat detector for high ambient temperatures up to +70 °C. For the monitoring of rooms and installations in which high ambient temperatures can be expected up to +70 °C.
The base DB1101A must be ordered separately.

Operating voltage	16... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +70 °C
Protection category	IP44
Standard	EN54-5: B
Dimensions (Ø x H)	115 x 54.5 mm (incl. base)
Color	white, ~RAL 9010
Data sheet	001578

Type		Order No.

DB1101A

Base for collective detector series

BPZ:4863650001

Base made of impact and scratch-proof plastic and environmentally safe materials. Integral rubber gasket to protect against draught, dirt and dripping water from above. Screwless terminals for easy installation. Space for auxiliary terminals as micro terminals (0.5 mm^2) and connection terminals (2.5 mm^2). Fits all standard flush-mounted boxes from 55 to 80 mm.

Cable capacity	0.2... 2.5 mm^2
Dimensions (Ø x H)	115 x 21 mm
Color	white, ~RAL 9010
Data sheet	001035
Accessories	DBZ1191 Base attachment for surface mounting
	DBZ1191A-AA Base attachment flat for surface mounting
	DBZ1192 Base attachment humid
	DBZ1192-AA Base attachment wet
	DBZ1195A Acoustic base
	DBC1191A-AA Relay base
	DBZ1190 Locking device
	DBZ1190A-AC Detector heating
	DBZ1193A Detector designation plate
	DBZ1190-AB Connection terminal 2.5 mm^2
	DBZ1190-AA Micro terminal 0.5 mm^2
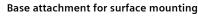
Accessories

DBZ1191

Base attachment for surface mounting

BPZ:4540830001

For surface wiring feed and provision of more wire loop space. Bases are mounted using a spring-loaded catch.

Dimensions (Ø x H)	116 x 22 mm
Color	white, ~RAL 9010
Delivery unit	5 pieces

DBZ1191A-AA

Base attachment flat for surface mounting

BPZ:5011270001

For surface-mounted applications with cables up to Ø6 mm, and to use existing mounting holes of MS7/MS9 bases. Bases DB1101A are mounted using a spring-loaded catch.

Dimensions (Ø x H)	116 x 11 mm
Color	white, ~RAL 9010
Delivery unit	10 pieces

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Type		Order No.

DBZ1192

Base attachment for humid environment

For installation in damp and corrosive environments. M20 x 1.5 cable entries are located on the side of the base attachments for easy access.

Dimensions (W x H x D)	135 x 135 x 45 mm
Color	white, ~RAL 9010
Protection category	IP44
Accessories	DBZ1194 Protective cage
	A5Q00004478 Screwed cable gland M20

Order No. BPZ:4588140001

DBZ1194

Protective cage

To protect the detector from damage. Can only be used together with the base attachment humid.

Dimensions (Ø x H)	160 x 126 mm

Order No. BPZ:4677110001

A5Q00004478

Screwed cable gland M20 x 1.5

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

Order No. A5Q00004478

DBZ1192-AA

Base attachment for wet environment

As DBZ1192 but for IP55 protection for heat detectors DT110xA only.

Dimensions (W x H x D)	135 x 135 x 45 mm
Color	white, ~RAL 9010
Protection category	IP55
Accessories	A5Q00004478 Screwed cable gland M20

Order No. BPZ:5355590001

Type		Order No.
DBZ1195A	**Acoustic base**	**BPZ:4940140001**

The base DBZ1195A has an integrated base sounder. It is mainly used for hotel rooms or wherever it is sensible to have an acoustic warning when a detector is activated. The sounder is operated when the detector LED is lit. The base DB1101A is mounted in the acoustic base using a spring-loaded catch.
The acoustic base is connected to the external output of the detector alarm indicator direct.

Sound level	≥75 dB / 1 m
Operating temperature	-10... +60 °C
Dimensions (Ø x H)	128.5 x 32 mm (without detector)
Color	white, ~RAL 9010
Protection category	IP44
Relative humidity	≤95 % (no condensation)
Standard	EN54-3
Data sheet	001444
Accessories	DBZ1190-AA Micro terminal 0.5 mm^2
	DBZ1190-AB Connection terminal 2.5 mm^2

DBC1191A-AA	**Relay base**	**BPZ:5017870001**

The base DBC1191A-AA has an integrated relay. It enables the connection of a simple fire control output facility. The contact is activated when the detector LED is lit. The base DB1101A is mounted using a spring-loaded catch.

Operating voltage	external supply 10... 48 VDC
Operating current	12... 24 mA
Quiescent current	3.5... 7 mA
Relay outputs	30 VDC / 1 A
Operating temperature	-10... +60 °C
Dimensions (Ø x H)	128.5 x 32 mm (without detector)
Color	white, ~RAL 9010
Protection category	IP44
Relative humidity	≤95 % (no condensation)
Data sheet	001566
Accessories	DBZ1190-AA Micro terminal 0.5 mm^2
	DBZ1190-AB Connection terminal 2.5 mm^2

Accessories

DBZ1190-AA	**Micro terminal 0.5 mm^2, 4-pole**	**BPZ:4677080001**

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	0.28... 0.5 mm^2
Delivery unit	50 pieces

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Type		Order No.
DBZ1190-AB	**Connection terminal 2.5 mm², 3-pole**	**BPZ:4942340001**
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.	
	Cable capacity 1... 2.5 mm²	
	Delivery unit 50 pieces	
DBZ1190	**Locking device**	**BPZ:4585260001**
	To protect the detector from theft.	
	Delivery unit 50 pieces	
DBZ1190A-AC	**Detector heating**	**BPZ:5167850001**
	Allows the AlgoRex series smoke detectors to operate under critical environmental conditions, for example where there is a danger of icing, moisture or condensation, in refrigeration plants, cold storage rooms, attics, loading ramps etc. Fits in DB1101A.	
	Operating voltage 20... 30 VDC	
	Operating current 35... 55 mA	
	Operating temperature -30... +40 °C	
DBZ1193A	**Detector designation plate**	**BPZ:4864330001**
	To indicate a location address. To number detectors according to installation drawings. The font may be up to 10 mm in an area of 60 x 20 mm. The detector designation plate is connected directly to the base (Synova) or base attachment (Synova, Sinteso).	
	Color transparent	
	Delivery unit 10 pieces	

Type		Order No.

FDM1101-RG

Manual call point with glass plate

S54371-F6-A1

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.
For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol	collective/SynoLINE600
Operating voltage	16... 28 VDC
Operating current	60... 100 mA
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
Color	red, ~RAL 3000
Standard	EN54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Data sheet	A6V10206486
Accessories	FDMH295-R housing base
	FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm
	FDMC295 Protective cover

FDM1101-RP

Manual call point with resettable plastic element

S54371-F6-A2

For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing on the plastic element. The switch is reset with the key and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places.
For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol	collective/SynoLINE600
Operating voltage	16... 28 VDC
Operating current	60... 100 mA
Terminal block	0.28... 1.5 mm^2
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP44
Color	red, ~RAL 3000
Standard	EN54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Data sheet	A6V10206486
Accessories	FDMH295-R housing base
	FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm
	FDMC295 Protective cover

Type		Order No.
	Accessories	
FDMH295-R	**Back box**	A5Q00013437

Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.

Color	red, ~RAL 3000
Dimensions (W x H x D)	87 x 87 x 33 mm
Accessories	A5Q00004478 Screwed cable gland M20
	A5Q00004479 Back nut M20
	DBZ1190-AB Connection terminal 2.5 mm^2

Type		Order No.
FDMH295-S	**Back box with 2 entries**	A5Q00013438

Housing base for manual call points FDM225, FDM1101 and FDM1101A with 2 holes on top fitted with grommet for cable Ø5 mm for surface mounting.

Color	red, ~RAL 3000
Dimensions (W x H x D)	87 x 87 x 33 mm
Accessories	DBZ1190-AB Connection terminal 2.5 mm^2

Type		Order No.
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

Type		Order No.
A5Q00004479	**Back nut M20**	A5Q00004479

Back nut to screwed cable gland M20 x 1.5.

Delivery unit	10 pieces

Type		Order No.
DBZ1190-AB	**Connection terminal 2.5 mm^2, 3-pole**	BPZ:4942340001

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm^2
Delivery unit	50 pieces

Type		Order No.

FDMC295

Protective cover

A5Q00013440

The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.

Color	transparent
Delivery unit	10 pieces

DM1101__

Collective manual call point

DM1101__

Collective manual call point for the immediate manual actuation of a fire alarm by pushing in the glass plate.
The housing FDMH291-x and the switching unit DMA1101 must be ordered separately.

Operating temperature	-25... +70 °C
Protection category	IP44
Standard	EN54-11
Dimensions (W x H x D)	87 x 87 x 46.6 mm
Data sheet	007980
Accessories	FDMC291 Protective cover
	A5Q00004478 Screwed cable gland M20
	A5Q00004479 Back nut M20

Products to select from

FDMH291-R	See Page 7-17
FDMH291-B	See Page 7-18
FDMH291-G	See Page 7-18
FDMH291-Y	See Page 7-18
DMA1101	See Page 7-18
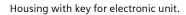
FDMH291-R

Housing red with key

A5Q00002217

Housing with key for electronic unit.

Color	red, ~RAL 3000

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Type		Order No.
FDMH291-Y	**Housing yellow with key**	A5Q00004979
	Housing with key for electronic unit.	
	Color yellow, ~RAL 1023	
FDMH291-G	**Housing green with key**	A5Q00004981
	Housing with key for electronic unit.	
	Color green, ~RAL 6024	
FDMH291-B	**Housing blue with key**	A5Q00004980
	Housing with key for electronic unit.	
	Color blue, ~RAL 5005	
DMA1101	**Switching unit collective (single action)**	A5Q00005578
	Direct operation switch module for use within the FDMH291-x housings. For connection to collective/SynoLINE600 detection lines. An integral LED provides visual indication of alarm. Provided complete with glass.	
	Operating voltage 16... 26 VDC	
	Operating current 60... 100 mA	
	Terminal block min. 0.28... 1.5 mm^2	

Type			Order No.
	Accessories		
FDMC291	**Protective cover**		A5Q00001644
	The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x.		
	Delivery unit	5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**		A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.		
	Delivery unit	10 pieces	
A5Q00004479	**Back nut M20**		A5Q00004479
	Back nut to screwed cable gland M20 x 1.5.		
	Delivery unit	10 pieces	
DM1104__	**Collective manual call point**		DM1104__
	Collective manual call point for the immediate manual actuation of a fire alarm by pushing in the glass plate. The housing DMA1192-xx and the switching unit DMA1104D must be ordered separately.		
	Operating temperature	-25... +70 °C	
	Protection category	IP54 (IP65 with protection seal and screwed cable gland)	
	Standard	EN54-11	
	Dimensions (W x H x D)	134 x 134 x 43 mm	
	Data sheet	007980	
	Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole) A5Q00010055 Locking plug M20 (2 holes)	
	Products to select from		
	DMA1192-AA	See Page 7-21	
	DMA1192-AB	See Page 7-21	
	DMA1192-AC	See Page 7-21	
	DMA1192-AD	See Page 7-21	
	DMA1104D	See Page 7-20	

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Type		Order No.
DMA1104D	**Switching unit collective (single action)**	A5Q00005925
	The electronic unit is a single action device by smashing in the glass plate to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning. Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion hazard areas only.	
	Operating voltage 16... 26 VDC Operating current 60... 100 mA Terminal block min. 0.28... 1.5 mm^2	
DM1103__	**Collective manual call point**	DM1103__
	Collective manual call point for the immediate manual actuation of a fire alarm by pushing in the glass plate and pressing the push button. The housing DMA1192-xx and the switching unit DMA1103D must be ordered separately.	
	Operating temperature -25... +70 °C Protection category IP54 (IP65 with protection seal and screwed cable gland) Standard EN54-11 Dimensions (W x H x D) 134 x 134 x 43 mm Data sheet 007980 Accessories DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole) A5Q00010055 Locking plug M20 (2 holes)	
	Products to select from DMA1103D See Page 7-20 DMA1192-AA See Page 7-21 DMA1192-AB See Page 7-21 DMA1192-AC See Page 7-21 DMA1192-AD See Page 7-21	
DMA1103D	**Switching unit collective (double action)**	A5Q00004470
	The electronic unit is a double action device; just break the glass and press the button to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning. Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion hazard areas only.	
	Operating voltage 16... 26 VDC Operating current 60... 100 mA Terminal block min. 0.28... 1.5 mm^2	

Type		Order No.
DMA1192-AA	**Housing red, with glass and key**	**BPZ:5222870001**
	Manual call point housing for the switching units DMA110xD.	
	Color red, ~RAL 3000	
DMA1192-AB	**Housing blue, with glass and key**	**BPZ:5464250001**
	Manual call point housing for the switching units DMA110xD.	
	Color blue, ~RAL 5005	
DMA1192-AC	**Housing yellow, with glass and key**	**BPZ:5464120001**
	Manual call point housing for the switching units DMA110xD.	
	Color yellow, ~RAL 1023	
DMA1192-AD	**Housing green, with glass and key**	**BPZ:5090190001**
	Manual call point housing for the switching units DMA110xD.	
	Color green, ~RAL 6024	

Type			Order No.

DM1103-L

Manual release button complete

A5Q00017630

Manual release button DM1103-L for the immediate manual actuation of a gas extinguishing system.
For indoor and outdoor application, equally suited for wet, humid and dusty areas.
For surface-mounted feed lines to the DM1103-L the housing is equipped with opening at the top and bottom, with sealing studs for M20 cable glands or locking plug (2 locking plugs, 2 holes enclosed). For indirect extinguishing release by smashing in the glass plate and pressing the push button. To replace the glass plate, open the housing door with the key. The push button must be set back before closing the door again.

Terminal block	0.28... 1.5 mm^2
Standard	EN12094-3
Protection category	IP54 (IP65 with seal DMZ1197-AD)
Operating temperature	-25... +70 °C
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	007980
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

DM1103-S

Emergency stop button complete

A5Q00014486

Emergency stop button DM1103-S for the stop function of a gas extinguishing system.
For indoor and outdoor application, equally suited for wet, humid and dusty areas.
For surface-mounted feed lines to the DM1103-S, the housing is equipped with openings at the top and bottom, with sealing studs for M20 cable glands or locking plug (2 locking plugs, 2 holes enclosed). Indirect stop function by smashing in the glass plate and pressing the push button. As soon as the button is not pressed any longer (self reset), the stopped extinguishing release will continue. To replace the glass plate, open the housing door with the key.

Terminal block	0.28... 1.5 mm^2
Standard	EN12094-3
Protection category	IP54 (IP65 with seal DMZ1197-AD)
Operating temperature	-25... +70 °C
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	007980
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

Type		Order No.
	Accessories	
DMZ1197-AD	**Protection seal**	BPZ:5470680001
	Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.	
	Delivery unit 5 pieces	
DMZ1197-AC	**Protective cover**	BPZ:5223550001
	Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.	
	Delivery unit 5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00006735	**Locking plug M20 x 1.5 (1 hole)**	A5Q00006735
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000 Delivery unit 10 pieces	
A5Q00010055	**Locking plug M20 x 1.5 (2 holes)**	A5Q00010055
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000 Delivery unit 10 pieces	

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Type		Order No.

AI300

Alarm indicator (frame mounting)   BPZ:4930280001

The AI300 alarm indicator is the visual parallel indication for fire detectors used on the SynoLINE600 detector line and SynoLOOP detector bus. It is provided with a dark red luminous element, fitted with LEDs. The alarm indicator is ideally used where the fire detector is difficult to see (e.g. hotel rooms, switching cabinets). The AI300 is suitable for door frames.

Operating voltage	5... 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm^2
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 17 mm
Color	white, ~RAL 9010
Data sheet	007162

AI340

Alarm indicator (surface mounting)   BPZ:4930440001

The AI340 alarm indicators are the visual parallel indications for fire detectors used on the SynoLINE600 detector line and SynoLOOP detector bus. They are provided with a dark red luminous element, fitted with LEDs. The AI340 is suitable for surface wall mounting.

Operating voltage	5... 8 VDC
Operating current	max. 35 mA
Cable capacity	max. 1.5 mm^2
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 25 mm
Color	white, ~RAL 9010
Data sheet	007162
Accessories	AI330 Adapter frame

Accessories

AI330

Adapter frame for alarm indicator   BPZ:3169430001

By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

Dimensions (W x H x D)	85 x 85 x 16 mm

Type	Order No.

DJ1193 **Alarm indicator incl. insulating cap** BPZ:4876360001

Indicator lamp to connect in parallel to automatic fire detectors. Made of transparent plastic, the alarm indicator is suitable for installation in door frames, switching panels, ceiling voids or special housings.
The 23 mm Ø mounting hole is drilled by the system owner.
The holder must be fitted with an insulating cap for safety.

Operating voltage	6... 8 VDC
Operating current	max. 35 mA
Color	transparent
Data sheet	Synova -> 007162
	Sinteso, AlgoRex -> 001520
Accessories	DCA1191 Housing (IP56)

Accessories

DCA1191 **Housing (empty)** BPZ:4588560001

Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a higher protection category.
The screwed cable gland must be ordered separately.

Dimensions (W x H x D)	135 x 135 x 65 mm
Color	white, ~RAL 9010
Protection category	IP56
Accessories	A5Q00004478 Screwed cable gland M20

BPZ:2473130001 **Washer** BPZ:2473130001

Washer for alarm indicator model recess mounting. The washer can be used for applications in humid rooms.

Dimensions (Ø x H)	23 x 1 mm

A5Q00004478 **Screwed cable gland M20 x 1.5** A5Q00004478

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

DJZ1193 **Alarm indicator housing incl. washer** BPZ:5302950001

For surface mounting in wet areas.
1 alarm indicator can be built into the housing.

Dimensions (W x H x D)	87 x 87 x 64 mm
Color	white, ~RAL 9010
Protection category	IP65

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Type		Order No.
MVH1	**Mounting bracket**	**BPZ:3496190001**
	For mounting of the alarm indicator housing DJZ1193 and detectors in hollow floors.	
	Length 0.29... 0.42 m (pipe clamp 1/2")	

Type		Order No.

AGN24.6

Alarm device

BPZ:5371170001

The alarm sounder is the most popular fire sounder for inside and out-door applications, although under roof or canopy. The volume is adjustable with a potentiometer. The alarm sounder allows differentiation between various alarms. Choice of 28 preset tones with volume control. Line monitoring possible by changing the polarity. The base is included.
The adapter base ZS/AGN24.5 for IP65 must be ordered separately.

Operating voltage	9... 30 VDC
Alarm current	18 mA
Operating temperature	-25... +80 °C
Number of sounds	28
Frequency range	500... 4000 Hz
Volume at 24 V and 1 m	92.. 111 dB
Cable capacity	0.28... 1.5 mm^2
Protection category	IP54
Dimensions (Ø x H)	93 x 63 mm
Color	white, ~RAL 9003
Data sheet	001790
Accessories	ZS/AGN24.5 Adapter base for IP65

Accessories

ZS/AGN24.5

Adapter base

BPZ:4242620001

The ZS/AGN24.5 adapter base is used to upgrade the alarm device AGN24.6 and ALB24.. to IP65.
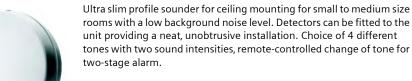
Dimensions (Ø x H)	93 x 30 mm
Color	white, ~RAL 9003
Protection category	IP65
Data sheet	001790

AGT24.1

Alarm device

BPZ:5371040001

Ultra slim profile sounder for ceiling mounting for small to medium size rooms with a low background noise level. Detectors can be fitted to the unit providing a neat, unobtrusive installation. Choice of 4 different tones with two sound intensities, remote-controlled change of tone for two-stage alarm.

Operating voltage	9... 30 VDC
Alarm current	3... 15 mA
Operating temperature	-25... +85 °C
Number of sounds	4
Frequency range	510... 970 Hz
Volume at 24 V and 1 m	86... 97 dB
Cable capacity	0.28... 1.5 mm^2
Protection category	IP42
Dimensions (Ø x H)	110 x 35 mm
Color	white, ~RAL 9003
Data sheet	001790

8

Type		Order No.

AGS24.5

Mallory buzzer

Buzzer for small, dry rooms with a low background noise level. Buzzer with continuous tone. For incorporation in equipment, panels etc. (for front panels with a max. thickness of 5 mm, a drill hole of 29.5 mm is adequate).

Operating voltage	18... 36 VDC
Alarm current	12 mA
Operating temperature	-20... +40 °C
Number of sounds	1
Frequency range	2900 Hz
Volume at 24 V and 1 m	80 dB
Cable capacity	0.28... 1.5 mm^2
Protection category	IP20
Dimensions (Ø x H)	56 x 52 mm
Color	black
Data sheet	001790

BPZ:2785020001

Type		Order No.
ALB24.1OR	**Flashing signal lamp 'orange'**	BPZ:5154140001

Powerful light intensity generated by electronic flash tube, ribbed dome with strong diffusion. Ideal for noisy environments. To identify buildings, entrances and exits: help can be brought quickly in an emergency. For inside and outside application.
The adapter base ZS/AGN24.5 for IP65 must be ordered separately.

Operating voltage	20... 30 VDC
Alarm current	155 mA (3.7 W)
Operating temperature	-20... +55 °C
Frequency range	ca. 1 Hz (60/min.)
Flash energie	2 Joule
Cable capacity	1.5 mm^2
Protection category	IP54
Dimensions (Ø x H)	93 x 75 mm
Data sheet	001570
Accessories	ZS/AGN24.5 Adapter base for IP65

Type		Order No.
ALB24.1R	**Flashing signal lamp 'red'**	BPZ:5154270001

Powerful light intensity generated by electronic flash tube, ribbed dome with strong diffusion. Ideal for noisy environments. To identify buildings, entrances and exits: help can be brought quickly in an emergency. For inside and outside application.
The adapter base ZS/AGN24.5 for IP65 must be ordered separately.

Operating voltage	20... 30 VDC
Alarm current	155 mA (3.7 W)
Operating temperature	-20... +55 °C
Frequency range	ca. 1 Hz (60/min.)
Flash energie	2 Joule
Cable capacity	1.5 mm^2
Protection category	IP54
Dimensions (Ø x H)	93 x 75 mm
Data sheet	001570
Accessories	ZS/AGN24.5 Adapter base for IP65

Accessories

Type		Order No.
ZS/AGN24.5	**Adapter base**	BPZ:4242620001

The ZS/AGN24.5 adapter base is used to upgrade the alarm device AGN24.6 and ALB24.. to IP65.

Dimensions (Ø x H)	93 x 30 mm
Color	white, ~RAL 9003
Protection category	IP65
Data sheet	001790

8

Offering a wide range of special detectors

The detector range of Cerberus PRO includes a broad range of special detectors, meeting various needs. In areas with limited access such as high bay warehouses, linear smoke detectors are the ideal choice. Flame detectors cover areas containing highly flammable materials best. Furthermore, Cerberus PRO offers a complete range for areas subject to explosion hazards and for areas that require very high sensitivity.

■ Flame detection – for areas with highly flammable materials
■ Linear smoke detector – for high ceiling areas with limited accessibility
■ Aspirating smoke detection – for areas requiring high sensitivity
■ Ex detectors – for areas subject to explosion hazards

Type		Order No.

FDF__

Infrared flame detector

Infrared flame detector for special applications. The infrared flame detector detects smokeless liquid and gas fires as well as smoke-generating open fires resulting from the combustion of carbonaceous materials such as wood, synthetics, gases, oil products, etc. The LE3 test lamp is used to make a performance check on the infrared flame detector at a distance of up to 10 m.
Can be used as an addressable, collective or conventional device.
The detector unit FDF2x1-9 and the base FDFB291 must be ordered separately.

Order No.: FDF__

Communication protocol	FDnet/C-NET, collective, conventional
Ext. alarm indicator	2
Relative humidity	≤95 %
Color	white, ~RAL 9010
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720 collective, conventional -> CZ10, BC10, FC10, XC10, CS11, FC700A, FC330A, SIGMASYS, BMS, SM80/88/D100
Standard	EN54-10, EN54-17
Dimensions (W x H x D)	135 x 135 x 77 mm
Data sheet	007012
Accessories	DFZ1190 Rain hood MV1 Mounting bracket MWV1 Ball and socket joint

Products to select from

FDF221-9	See Page 9-2
FDF241-9	See Page 9-3
FDFB291	See Page 9-3

FDF221-9

DA Infrared flame detector unit (1 sensor)

The infrared flame detector is used for simple applications, additional to smoke detectors. Only used without source of interference such as sun, halogen light, and black body radiation.
1 infrared sensor with detection algorithms.
The base FDFB291 must be ordered separately.

Order No.: A5Q00003902

Operating voltage	FDnet/C-NET-> 12... 33 VDC collective/conv. -> 16... 28 VDC
Quiescent current	FDnet/C-NET -> 0.7 mA collective/conv. -> 0.5 mA
Operating temperature	-25... +70 °C
Storage temperature	-40... +75 °C
Dimensions (W x H x D)	135 x 135 x 32 mm
Protection category	IP44

Type		Order No.

FDF241-9

ASA Infrared flame detector unit (3 sensors)

A5Q00003006

The infrared flame detector is specially suited to environments where deceptive phenomena such as e.g. sun, radiation or hot engines have to be expected. For large industrial warehouses, hangars for military and civil aircraft, underground tunnels etc.
3 infrared sensors with **ASA**technology™.
The base FDFB291 must be ordered separately.

Operating voltage	FDnet/C-NET -> 12... 33 VDC collective/conv. -> 14... 28 VDC
Quiescent current	FDnet/C-NET -> 0.7 mA collective/conv. -> 0.5 mA
Operating temperature	-35... +70 °C
Storage temperature	-40... +75 °C
Dimensions (W x H x D)	135 x 135 x 32 mm
Protection category	IP67

FDFB291

Base for infrared flame detectors FDF2x1-9

A5Q00003310

The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals, isolated auxiliary terminals and six M20 cable entry possibilities for cable glands.

Cable capacity	0.2... 1.5 mm^2 (AWG24... 15)
Dimensions (W x H x D)	135 x 135 x 45 mm
Accessories	A5Q00004478 Screwed cable gland M20

Accessories

DFZ1190

Rain hood

BPZ:5302660001

Rain hood for the infrared flame detector for outdoor applications.

Dimensions (W x H x D)	150 x 165 x 130 mm

MV1

Mounting bracket

BPZ:3950450001

The mounting bracket for volumetric surveillance, fixes the infrared flame detector at the right angle.

Dimensions (W x H x D)	136 x 120 x 120 mm

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Type		Order No.
MWV1	**Ball and socket joint**	**BPZ:3674840001**
	Ball and socket joint for the infrared flame detector for the orientation to a defined object.	
	Dimensions (H x W x D)　　　120 x 164 x 118 mm	
LE3	**Test lamp for flame detectors**	**BPZ:3669510001**
	The test lamp is used for testing the operation of all flame detectors (non explosion-hazard areas). It is supplied with all the necessary accessories in a suitable carrying case (incl. charger, without battery). The carrying case also provides a means of storing the test lamp free of dust. The battery FA2003-A1 must be ordered separately.	
	Operating temperature　　　-20... +45 °C	
	Storage temperature　　　-20... +45 °C	
	Battery capacity　　　1 x 12 V / 7 Ah	
	Data sheet　　　AlgoRex, Synova, Sinteso -> 000252　Cerberus PRO -> A6V10203222	

Type		Order No.
FDL__	**ASA Linear smoke detector**	**FDL__**

The linear smoke detector is ideal to monitor extensive areas (detection distance 5... 100 m). Wiring is simple, and needed only on one side. The linear smoke detector consists of a detector, a base, and a simple reflector or a sophisticated prism on the opposite side. It is the ideal solution for monitoring of large store-rooms and production workshops, areas with complex roof structures or historically valuable ceilings, covered courtyards, atrium-type buildings and reception halls. Can be used as an addressable, collective or conventional device. The detector FDL241-9 and the base FDLB291 must be ordered separately.

Communication protocol	FDnet/C-NET, collective, conventional
Ext. alarm indicator	2
Operating temperature	-25... +60 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP65
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720 collective, conventional -> CZ10, BC10, FC10, XC10, CS11, FC700A, FC330A, SIGMASYS, BMS, SM80/88/D100
Standard	EN54-12, EN54-17
Dimensions (W x H x D)	135 x 135 x 115 mm
Data sheet	007017

Products to select from

FDL241-9	See Page 9-6
FDLB291	See Page 9-6

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Type		Order No.

FDL241-9

ASA Linear smoke detector unit

A5Q00002298

The detector consists of a light emitter and a light receiver. The light emitter emits a bundled infrared ray, which is scattered back by the prism-shaped reflector to the light emitter. The receiver converts the received infrared signal to an electric signal, which is evaluated by the microprocessor-controlled electronics. Smoke penetrating the measuring section attenuates the infrared signal. When the signal reaches predefined measuring values, the detector transmits the corresponding danger level to the control unit. Distance measurement for the recognition of foreign matter. The built-in alarm indicator signals the alarm status locally. For various distances, different reflectors are available. The optics can be efficiently adjusted to the reflector by single-handed alignment via the adjustment device FDLU291.
The base FDLB291 must be ordered separately.

Operating voltage	FDnet/C-NET -> 12... 33 VDC collective/conv. -> 18... 28 VDC
Quiescent current	1.5 mA
Dimensions (W x H x D)	135 x 135 x 70 mm
Accessories	DLR1191 Reflector for long distance DLR1192 Reflector for middle distance DLR1193 Reflector for short distance DLF1191-AA Short distance filter for 7... 10 m DLF1191-AB Short distance filter for 5... 8 m DLF1191-AC Extraneous light filter DLH1191A Detector heating FDLU291 Adjustment device

FDLB291

Base for linear smoke detector FDL241-9

A5Q00003941

The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals and six M20 cable entry possibilities for cable glands.

Cable capacity	0.2... 1.5 mm^2 (AWG24... 15)
Dimensions (W x H x D)	135 x 135 x 45 mm
Accessories	A5Q00004478 Screwed cable gland M20

Type		Order No.
	Accessories	
DLR1191	**Reflector for long distance (prism)**	BPZ:4787710001
	Retro-reflectors are characterized by the fact that an impinging light ray is reflected in parallel. The reflector does not need to be mounted at a right angle to the light ray. Vibrations and distortions in the wall where the reflector is mounted do not cause any disturbances either. Another advantage lies in the fact that possibly interfering light is also reflected in on itself and can thus not reach the receiver. The retro-reflecting prism has the shape of an even pyramid, the lateral surfaces of which are made up from isosceles, right-angled triangles. Light rays coming in through the base surface are completely reflected by the lateral surfaces and are then scattered back through the base. For distances of 20... 100 m.	

Detector heating	equipped, external power supply 24 VDC is required	
Dimensions (W x H x D)	135 x 135 x 65 mm	
Color	white, ~RAL 9010	
Accessories	A5Q00004478 Screwed cable gland M20	

Type		Order No.
DLR1192	**Reflector for middle distance (foil)**	BPZ:4788490001
	The foil consists of micro-prismatic elements, which are formed in a transparent, synthetic resin, sealed and mounted on a plastic base. The reflector foil has the same principal effect (function) as the prism. For distances of 30... 65 m.	
	Dimensions (W x H x D) 200 x 200 x 2.5 mm	
DLR1193	**Reflector for short distance (foil)**	BPZ:4787840001
	The foil consists of micro-prismatic elements, which are formed in a transparent, synthetic resin, sealed and mounted on a plastic base. The reflector foil has the same principal effect (function) as the prism. For distances of 10... 30 m.	
	Dimensions (W x H x D) 100 x 100 x 2.5 mm	
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
DLF1191-AA	**Filter for short distances (7... 10 m)**	BPZ:4933030001
	For short distances between 7 and 10 meters, an additional short distance filter is required. The filter attenuates the detector signal over short distances. The filter can be inserted directly into the detector unit.	

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Type		Order No.
DLF1191-AB	**Filter for short distances (5... 8 m)**	**BPZ:4933160001**
	For short distances between 5 and 8 meters, an additional short distance filter is required. The filter attenuates the detector signal over short distances. The filter can be inserted directly into the detector unit.	
DLF1191-AC	**Filter against external light influences**	**BPZ:5221480001**
	Interferences of the detector by extraneous light are rather rare. However, if such a disturbance should occur in case of a strong impact of extraneous light, the extraneous light filter is available. The filter absorbs disturbing IR rays. The filter can be inserted into the detector (not possible if short distance filter is inserted).	
DLH1191A	**Detector heating**	**BPZ:4787970001**
	Enables operation of a linear smoke detector where there is a risk of condensation. 24 VDC external power supply is necessary.	
	Operating voltage 20... 30 VDC Operating current 30... 50 mA	
FDLU291	**Adjustment device set for linear smoke detector**	**A5Q00004905**
	The optics of the linear smoke detector can be efficiently adjusted to the reflector by single-handed alignment via the adjustment device. Box with adjustment device, alarm test filter, visor, magnet, spiral cable, MC-link cable, and battery 9 V, 0.5 Ah.	
RE10	**Detector tester for linear smoke detectors**	**BPZ:3685190001**
	For performance check of linear smoke detector. In compliance with the type of detector to be tested, the alarm test filter is inserted in the detector tester. The detector tester is then held in front of the optical parts of the detector (i.e. into the infrared ray). The detector reacts after a few seconds. Alarm test filter contained in FDLU291 or TF04 must be ordered separately.	

	Data sheet Synova, AlgoRex -> 001164
	                      Sinteso -> 007228
	                      Cerberus PRO -> A6V10203222
	Accessories TF04 Alarm test filter
	                      FDUM291 Telescope rod
	                      FDUM292 Telescope rod	

Type		Order No.
TF04	**Alarm test filter (Absorption 77 %)**	**BPZ:4931090001**
	Alarm test filter for detector tester RE10.	

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Type		Order No.
FDBZ292	**Air sampling smoke detection kit**	**A5Q00021362**

The air sampling smoke detection kit is a passive monitoring system without its own fan. It makes use of the existing pressure difference in the ventilation system in order to supply a continuous flow of air through a bypass from the ventilation duct to the air sampling smoke detection kit.

The air sampling smoke detection kit only works if the ventilation system is in operation and the air is circulating. The monitored air must be clean, i.e. free from dust and aerosols.

When a smoke concentration set in the smoke detector is reached, the corresponding danger level is signaled to the fire alarm control unit which initiates the corresponding alarm.

Can be used as an addressable or collective device.

The smoke detectors and bases must be ordered separately.

Smoke detector	Sinteso -> FDO241, FDOOT241-8, FDOOT241-9 AlgoRex, Synova -> DO1133A, DO1103A, DO1104A Cerberus PRO -> DO1104A
Detector base	Sinteso -> FDB201/221, FDB201/221-AA AlgoRex -> DB1151A, DB1131A, DB1101A Synova -> DB1101A, SO620A Cerberus PRO -> DB1101A
System compatibility	Sinteso -> FDnet AlgoRex -> interactive, AnalogPLUS, collective Synova -> SynoLINE600, SynoLOOP Cerberus PRO -> collective, in C-NET via FDCIO223
Min. duct diameter	100 mm
Permissible air speed	1... 20 m/s
Airflow indicator	≥1 m/s
Ambient temperature, operation	-20... +50 °C
Protection category	IP54
Relative humidity	≤95 %
Dimensions (W x H x D)	146 x 235 x 183 mm
Color	grey, ~RAL 7001
Data sheet	009728
Accessories	FDBZ292-AA Air flow tube, L = 0.6 m FDBZ292-AB Air flow tube, L = 1.5 m FDBZ292-AC Air flow tube, L = 2.8 m FDBZ292-AD Sealing kit FDBZ292-AF Mounting bracket DBZ1190-AB Connection terminal 1... 2.5 mm^2

Type	Order No.

DO1104A — **Smoke detector, collective wide spectrum** — BPZ:5090640001

Automatic fire detector with higher response sensitivity for the early warning of smoke-forming, flaming fires and smoldering fires. For applications in hospital rooms, archives, museums etc.
The base DB1101A must be ordered separately.

Operating voltage	16... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +60 °C
Storage temperature	-30... +75 °C
Sensitivity	Typ. 1.8 %/m
Protection category	IP44
Color	white, ~RAL 9010
Dimensions (Ø x H)	115 x 51mm (incl. base)
Standard	EN54-7
Data sheet	001578

DB1101A — **Base for collective detector series** — BPZ:4863650001

Base made of impact and scratch-proof plastic and environmentally safe materials. Integral rubber gasket to protect against draught, dirt and dripping water from above. Screwless terminals for easy installation. Space for auxiliary terminals as micro terminals (0.5 mm^2) and connection terminals (2.5 mm^2). Fits all standard flush-mounted boxes from 55 to 80 mm.

Cable capacity	0.2... 2.5 mm^2
Dimensions (Ø x H)	115 x 21 mm
Color	white, ~RAL 9010
Data sheet	001035

Accessories

FDBZ292-AA — **Air flow tube 0.6 m** — A5Q00021363

The air flow tube is introduced through a hole drilled into the duct and shortened according to the diameter of the duct.

Length	0.6 m

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Type			Order No.
FDBZ292-AB	**Air flow tube 1.5 m**		A5Q00021364
	As FDBZ292-AA but different length.		
	Length	1.5 m	
FDBZ292-AC	**Air flow tube 2.8 m**		A5Q00021366
	As FDBZ292-AA but different length.		
	Length	2.8 m	
FDBZ292-AD	**Sealing kit for air flow tubes**		A5Q00021367
	One sealing kit is necessary for -> applications using the mounting bracket -> applications using air flow tubes longer than 1 m Two sealing kits are necessary for -> applications using the mounting bracket and air flow tubes longer than 1 m		
FDBZ292-AF	**Mounting bracket**		A5Q00021369
	The mounting bracket is used for uneven, round and insulated ducts.		

Type		Order No.
DBZ1190-AB	**Connection terminal 2.5 mm², 3-pole**	**BPZ:4942340001**

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm²
Delivery unit	50 pieces

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Type		Order No.
LaserFOCUS VLF-250	**Aspirating smoke detector with display**	**VLF-250-SIE**

The LaserFOCUS detector is a very early warning smoke detector (Aspirating Smoke Detector ASD) designed to protect small, business-critical environments of less than 250 sqm. The detector works by continually drawing air into sampling holes in a pipe network. The air is filtered and passed into a detection chamber where light-scattering technology detects the presence of very small amounts of smoke. Detector status information is communicated on the detector display.
The FDnet/C-NET interface card is integrated.

Communication protocol	FDnet/C-NET
Operating voltage	18... 30 VDC
Quiescent current	220 mA
Alarm current	295 mA
Display	4 Alarm state indicators
	Fault and disabled indicators
	Smoke level indicator
Area coverage	up to 250 m^2
Alarm threshold	0.025 - 2.00 %/m / Info alarm, Pre-alarm
	0.025 - 20.00 %/m / Fire 1, Fire 2
Air inlet pipe	Accepts both metric and American standard pipe sizes
	External diameter 25 mm
	Internal diameter 21 mm
Pipe length	max. 1 x 25 m (max. 12 holes)
	max. 2 x 15 m per branch (max. 6 holes per branch)
Relay outputs	3x 2 A / 30 V
	Pre-alarm, Alarm, Fault
Terminals	0.2... 2.5 mm^2 (30... 12 AWG)
Dimensions (W x H x D)	255 x 185 x 90 mm
Operating temperature	0... +40 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP30
Data sheet	A6V10221433

Type		Order No.

LaserFOCUS VLF-500

Aspirating smoke detector with display

VLF-500-SIE

The LaserFOCUS detector is a very early warning smoke detector (Aspirating Smoke Detector ASD) designed to protect small, business-critical environments of less than 500 sqm. The detector works by continually drawing air into sampling holes in a pipe network. The air is filtered and passed into a detection chamber where light-scattering technology detects the presence of very small amounts of smoke. Detector status information is communicated on the detector display.
The FDnet/C-NET interface card is integrated.

Communication protocol	FDnet/C-NET
Operating voltage	18... 30 VDC
Quiescent current	410 mA
Alarm current	490 mA
Display	4 Alarm state indicators
	Fault and disabled indicators
	Smoke level indicator
Area coverage	up to 500 m^2
Alarm threshold	0.025 - 2.00 %/m / Info alarm, Pre-alarm
	0.025 - 20.00 %/m / Fire 1, Fire 2
Air inlet pipe	Accepts both metric and American standard pipe sizes
	External diameter 25 mm
	Internal diameter 21 mm
Pipe length	max. 1 x 50 m (max. 24 holes)
	max. 2 x 30 m per branch (max. 12 holes per branch)
Relay outputs	3 x 2 A / 30 V
	Pre-alarm, Alarm, Fault
Terminals	0.2... 2.5 mm^2 (30... 12 AWG)
Dimensions (W x H x D)	255 x 185 x 90 mm
Operating temperature	0... +40 °C
Relative humidity	≤95 % (no condensation)
Protection category	IP30
Data sheet	A6V10221433

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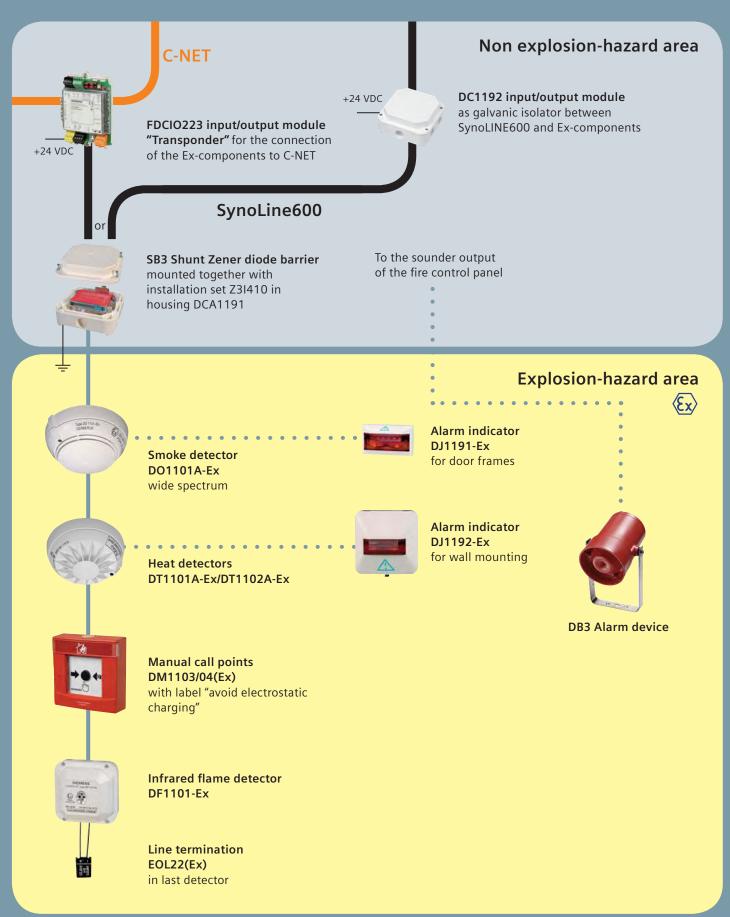
Explosion-hazard area products
Ex-product overview

C-NET

Non explosion-hazard area

+24 VDC

FDCIO223 input/output module "Transponder" for the connection of the Ex-components to C-NET

+24 VDC

DC1192 input/output module as galvanic isolator between SynoLINE600 and Ex-components

+24 VDC

or

SynoLine600

SB3 Shunt Zener diode barrier mounted together with installation set Z3I410 in housing DCA1191

To the sounder output of the fire control panel

Explosion-hazard area

Smoke detector DO1101A-Ex wide spectrum

Alarm indicator DJ1191-Ex for door frames

Heat detectors DT1101A-Ex/DT1102A-Ex

Alarm indicator DJ1192-Ex for wall mounting

DB3 Alarm device

Manual call points DM1103/04(Ex) with label "avoid electrostatic charging"

Infrared flame detector DF1101-Ex

Line termination EOL22(Ex) in last detector

Type		Order No.

FDCIO223   **Input/output module 'Transponder'**   **S24218-B102-A1**

For connection of collective fire detectors (GMT/conventional line, GMT/conventional line with shunt-Zener-diode barrier (SB3) for explosion-hazard areas). For monitored controls of e.g. smoke dampers, alarm devices, door magnets and extinguishing activation devices (adhere to country-specific instructions). Monitored signal input for status and alarm messages or for acknowledging technical status. The 2 input/outputs can be parameterized autonomously in each case as detector line collective, contact input, control output, control output and input as acknowledgement with selectable monitoring time frame. Status indication by LED.
Transponder incl. 2 Transzorb diode 20 V, 8 resistors and 2 mounting feet for TS35 U-rail.

Power supply	External input voltage 18... 32 VDC
Communication protocol	FDnet/C-NET
Operating voltage	FDnet/C-NET 12... 33 VDC
Detector line	collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300, collective/SynoLINE600 or similar
Control output	24 VDC ±5 % / 2 A
EOL resistor	3.3 kΩ/680 Ω, 2.7 kΩ/560 Ω, 3.3 kΩ
Cable capacity	0.2... 1.5 mm^2 (2.5 mm^2)
Operating temperature	-25... +60 °C
Storage temperature	-30... +65 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010/transparent matt
Protection category	IP30 IP65 with aux. housing FDCH221
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Standard	CEA GEI I-084, EN54-17, EN54-18
Dimensions (W x H x D)	132 x 90 x 24 mm
Data sheet	009168
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Accessories

FDCH221   **Housing for input/output modules**   **S54312-F3-A1**

Housing with seal for the mounting of the input/output modules for wet applications.
The required screwed cable glands and back nuts M20 must be ordered separately.

Dimensions (W x H x D)	207 x 119 x 48 mm
Color	white, ~RAL 9010 / transparent matt
Protection category	IP65
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

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Type		Order No.
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00004479	**Back nut M20**	**A5Q00004479**
	Back nut to screwed cable gland M20 x 1.5.	
	Delivery unit 10 pieces	
DBZ1190-AB	**Connection terminal 2.5 mm^2, 3-pole**	**BPZ:4942340001**
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.	
	Cable capacity 1... 2.5 mm^2 Delivery unit 50 pieces	
EOL22(Ex)	**Line termination**	**BPZ:5162220001**
	End-of-line unit for collective detection lines or as end-of-line unit within explosion-hazard areas of zones 1 and 2.	

Type		Order No.
DC1192__	**Input/output module for galvanic isolation**	**DC1192__**

The input/output module DC1192 for galvanic isolation (detection line coupler) between control unit of collective line SynoLINE600 and e.g. shunt Zener diode barrier with fire detectors for explosion-hazard areas (via SB3).
The housing DCA1191, the terminal base DCB1192A and the electronic unit DCA1192A must be ordered separately.

Operating temperature	-25... +70 °C
Protection category	IP56
Data sheet	001571

Products to select from

DCA1191	See Page 9-19
DCB1192A	See Page 9-19
DCA1192A	See Page 9-19

DCA1191	**Housing (empty)**	**BPZ:4588560001**

Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a higher protection category.
The screwed cable gland must be ordered separately.
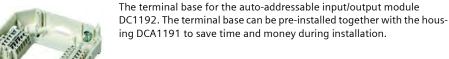
Dimensions (W x H x D)	135 x 135 x 65 mm
Color	white, ~RAL 9010
Protection category	IP56
Accessories	A5Q00004478 Screwed cable gland M20

DCB1192A	**Terminal base for DC1192**	**BPZ:5084500001**

The terminal base for the auto-addressable input/output module DC1192. The terminal base can be pre-installed together with the housing DCA1191 to save time and money during installation.

Cable capacity	0.2... 2.5 mm^2 / AWG 24... 14
Accessories	DBZ1190-AA Micro terminal 0.5 mm^2

DCA1192A	**Electronic unit for DC1192**	**BPZ:5081200001**

Electronic unit for DC1192 input/output module is used in the SynoLOOP fire detection system for the connection of fire detectors with collective/SynoLINE600 address (special detectors
or via shunt Zener diode barriers, detectors for explosion-hazard areas) or for the activation of alarm devices. The built-in isolator enables the fire control panel to localize short circuits and open lines. With the auto-addressable feature, no dip switch or punch card settings have to be made. The electronic unit is plugged into the housing just before commissioning.
The line termination elements are also included in the packaging.

Detection line current	max. 5 mA
Detection line voltage	18... 22 VDC
Operating current	control line max. 2 A, 60 W
Operating voltage	external 18... 32 VDC
Quiescent current	≤45 mA

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Type		Order No.
EOL22(Ex)	**Line termination**	**BPZ:5162220001**
	End-of-line unit for collective detection lines or as end-of-line unit within explosion-hazard areas of zones 1 and 2.	
	Accessories	
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
DBZ1190-AA	**Micro terminal 0.5 mm², 4-pole**	**BPZ:4677080001**
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.	
	Cable capacity 0.28... 0.5 mm² Delivery unit 50 pieces	

Type		Order No.
SB3	**Shunt Zener diode barrier**	BPZ:4837400001

This barrier is needed for an intrinsically safe installation in explosion-hazard areas connected to the in-/output module. This barrier restricts the electrical energy between non-intrinsically safe and intrinsically safe circuits. The installation has to be done according to the national safety regulations. The SB3 has to be mounted into the housing DCA1191 together with the Z3I410 installation set.
Always install shunt Zener diode barriers outside explosion-hazard areas.

Operating voltage	max. 28 VDC
Operating current	max. 100 mA
Type	Stahl 9001/00-280-100-101
Standard	EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)
Data sheet	001222

Type		Order No.
DCA1191	**Housing (empty)**	BPZ:4588560001

Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a higher protection category.
The screwed cable gland must be ordered separately.

Dimensions (W x H x D)	135 x 135 x 65 mm
Color	white, ~RAL 9010
Protection category	IP56
Accessories	A5Q00004478 Screwed cable gland M20

Type		Order No.
Z3I410	**Installation set**	BPZ:4837660001

One SB3 shunt Zener diode barrier may be mounted together with support plate Z3I410 in housing DCA1191 with protection category IP56.

Type		Order No.
DBZ1190-AA	**Micro terminal 0.5 mm², 4-pole**	BPZ:4677080001

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.
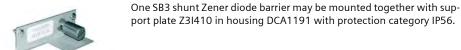
Cable capacity	0.28... 0.5 mm²
Delivery unit	50 pieces

Accessories

Type		Order No.
	Screwed cable gland M20 x 1.5	A5Q00004478
A5Q00004478		

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

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Type		Order No.
DO1101A-Ex	**Smoke detector, wide spectrum collective 'Ex'**	**BPZ:5008010001**

For the early warning of smoke-forming, flaming fires and smoldering fires in explosion-hazard areas of zones 1 and 2.
The base DB1101A must be ordered separately.

Operating voltage	17... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +60 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Ex-classification	II 2 G Ex ib IIC T4 (-25 °C ≤Ta ≤60 °C)
Dimensions (Ø x H)	115 x 51 mm (incl. base)
Color	white, ~RAL 9010
Standard	for fire detectors EN54-7 for explosion-hazard areas EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)
Protection category	IP44
Data sheet	001469

Type		Order No.
DT1101A-Ex	**Heat detector collective 'Ex'**	**BPZ:4852140001**

For the monitoring of explosion-hazard areas of zones 1 and 2 with a maximum ambient temperature of 50 °C. It is characterized by reliable response behavior, not only in the event of slow temperature rises, but also where the temperature rises are fast.
The base DB1101A must be ordered separately.

Operating voltage	16... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +50 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Ex-classification	II 2 G Ex ib IIC T4 (-25 °C ≤Ta ≤50 °C)
Dimensions (Ø x H)	115 x 54.5 mm (incl. base)
Color	white, ~RAL 9010
Standard	for fire detectors EN54-5: A1R for explosion-hazard areas EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)
Protection category	IP44
Data sheet	001469

Type		Order No.

DT1102A-Ex **Heat detector collective 'Ex'** BPZ:4852270001

For the monitoring of explosion-hazard areas of zones 1 and 2 with a maximum ambient temperature of 70 °C. It is the right heat detector for locations where large temperature fluctuations and high temperatures occur. It continuously measures the ambient temperature and reacts if defined maximum values are exceeded.
The base DB1101A must be ordered separately.

Operating voltage	16... 24 VDC
Quiescent current	max. 100 µA
Operating temperature	-25... +70 °C
Storage temperature	-30... +75 °C
Relative humidity	≤95 %
Ex-classification	II 2 G Ex ib IIC T4 (-25 °C ≤Ta ≤70 °C)
Dimensions (Ø x H)	115 x 54.5 mm (incl. base)
Color	white, ~RAL 9010
Standard	for fire detectors EN54-5: B for explosion-hazard areas EN50014 (IEC60079-0)/ EN50020 (IEC60079-11)
Protection category	IP44
Data sheet	001469

DB1101A **Base for collective detector series** BPZ:4863650001

Base made of impact and scratch-proof plastic and environmentally safe materials. Integral rubber gasket to protect against draught, dirt and dripping water from above. Screwless terminals for easy installation. Space for auxiliary terminals as micro terminals (0.5 mm^2) and connection terminals (2.5 mm^2). Fits all standard flush-mounted boxes from 55 to 80 mm.

Cable capacity	0.2... 2.5 mm^2
Dimensions (Ø x H)	115 x 21 mm
Color	white, ~RAL 9010
Data sheet	001035
Further accessories	DBZ1191 Base attachment for surface mounting DBZ1190-AA Micro terminal 0.5 mm^2 DBZ1190-AB Connection terminal 2.5 mm^2

Accessories

DBZ1191 **Base attachment for surface mounting** BPZ:4540830001

For surface wiring feed and provision of more wire loop space. Bases are mounted using a spring-loaded catch.

Dimensions (Ø x H)	116 x 22 mm
Color	white, ~RAL 9010
Delivery unit	5 pieces

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Type		Order No.

DBZ1190-AA

Micro terminal 0.5 mm², 4-pole

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	0.28... 0.5 mm²
Delivery unit	50 pieces

BPZ:4677080001

DBZ1190-AB

Connection terminal 2.5 mm², 3-pole

As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.
Can easily be inserted.

Cable capacity	1... 2.5 mm²
Delivery unit	50 pieces

BPZ:4942340001

Type		Order No.

DF11Ex__

Infrared flame detector collective 'Ex'

DF11Ex__

Connectable to collective systems. Connection to the detection line via the input/output module for galvanic isolation. Infrared flame detector for explosion-hazard areas of zones 1 and 2, for inside and outside applications.
The Stabex HF test lamp is used to make a performance check of the infrared flame detector. It must be held in front of the detector.
The detector unit DF1101-Ex and the base DFB1190 must be ordered separately.

Dimensions (W x H x D)	135 x 135 x 77 mm
Operating temperature	-35... +70 °C
Storage temperature	-40... +75 °C
Relative humidity	≤95 %
Ex-classification	II 2 G Ex ib IIC T4 (-35 °C ≤Ta ≤70 °C)
Color	white, ~RAL 9010
Standard	EN54-10 for flame detector EN50014 (IEC60079-0)/ EN50020 (IEC60079-11) for explosion-hazard areas
Protection category	IP67
Data sheet	001744

Products to select from

DF1101-Ex	See Page 9-25
DFB1190	See Page 9-26

DF1101-Ex

Infrared flame detector unit collective 'Ex'

BPZ:5166750001

Flame detector DF1101-Ex intrinsically safe for Ex-protected areas. The infrared flame detector DF1101-Ex is designed to the explosion protection category 'Intrinsic safety' Ex i.
One sensor measures the hot carbon dioxide in a specific flame wavelength; the two other sensors simultaneously measure the interference radiation in other wavelengths. With intelligent signal processing through fuzzy algorithms and wavelet analysis, the DF1101-Ex achieves excellent detection reliability while maintaining the highest immunity to interference radiation and sunlight. In order to safeguard against a possible decision emergency, the detector contains an additional emergency activation channel.
It is suitable for chemical production plants, oil refineries, propane and butane filling installations, for all explosion-hazard areas in which flaming fires involving carbonaceous materials could be expected.
The base DFB1190 must be ordered separately.

Dimensions (W x H x D)	135 x 135 x 32 mm
Operating voltage	16... 28 VDC
Quiescent current	0.5 mA

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Type		Order No.
DFB1190	**Base for infrared flame detectors DF119x**	**BPZ:5165360001**

The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals, chokes to protect against EMI, a plug attachment for the detector, six M20 cable entry possibilities.

Cable capacity	0.2... 1.5 mm^2 (AWG24... 15)
Dimensions (W x H x D)	135 x 135 x 45 mm
Color	white, ~RAL 9010
Accessories	A5Q00004478 Screwed cable gland M20

Type		Order No.
A5Q00004478	**Screwed cable gland M20 x 1.5**	**A5Q00004478**

The screwed cable gland is for M20 cable feed-through. It enables higher protection category.

Delivery unit	10 pieces

Type		Order No.
StabexHF	**Test lamp for flame detectors 'Ex'**	**BPZ:4620910001**

The test lamp is used to carry out a performance check of intrinsically safe flame detectors in explosion-hazard areas of zones 1 and 2.

Operating temperature	-20... +40 °C
Storage temperature	-20... +40 °C
Battery capacity	2 x Alkali battery 1.5 V, single-cell UM1
Ex-classification	II 2 G Ex ib e IIC T4
Protection category	IP65
Data sheet	AlgoRex, Synova, Sinteso -> 000252 Cerberus PRO -> A6V10203222

Type		Order No.

DM1103(Ex)__

Collective manual call point (double action) for explosion-hazard areas

For immediate manual actuation of an alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surface- and recess-mounted feed lines in easily accessible places.
Indirect alarm actuation by pushing in the glass plate and pressing the push button. To replace the glass plate, open the housing door with the key. The push button must be reset before closing the door again.
The housing DMA1192-AA and the switching unit DMA1103D must be ordered separately.

DM1103(Ex)__

Standard	EN54-11
Protection category	IP54 (IP65 with protection seal and screwed cable gland)
Operating temperature	-25... +70 °C
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	A6V10236643
Accessories	DMZ1197-AD Protection seal
	DMZ1197-AC Protective cover
	A5Q00004478 Screwed cable gland M20
	A5Q00006735 Locking plug M20 (1 hole)
	A5Q00010055 Locking plug M20 (2 holes)

Products to select from

DMA1192-AA	See Page 9-27
DMA1103D	See Page 9-27

DMA1192-AA

Housing red, with glass and key

Manual call point housing for the switching units DMA110xD.

Color	red, ~RAL 3000

BPZ:5222870001

DMA1103D

Switching unit collective (double action)

The electronic unit is a double action device; just break the glass and press the button to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning.
Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion hazard areas only.

Operating voltage	16... 26 VDC
Operating current	60... 100 mA
Terminal block	min. 0.28... 1.5 mm^2

A5Q00004470

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Type		Order No.
DM1104(Ex)__	**Collective manual call point (single action) for explosion-hazard areas**	**DM1104(Ex)__**

For immediate manual actuation of an alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surface- and recess-mounted feed lines in easily accessible places.
Direct alarm actuation by pushing in the glass plate. To replace the glass plate, open the housing door with the key, upon closing the door the button is reset.
The housing DMA1192-AA and the switching unit DMA1104D must be ordered separately.

Standard	EN54-11
Protection category	IP54 (IP65 with protection seal and screwed cable gland)
Operating temperature	-25... +70 °C
Dimensions (W x H x D)	134 x 134 x 43 mm
Data sheet	A6V10236643
Accessories	DMZ1197-AD Protection seal
	DMZ1197-AC Protective cover
	A5Q00004478 Screwed cable gland M20
	A5Q00006735 Locking plug M20 (1 hole)
	A5Q00010055 Locking plug M20 (2 holes)

Products to select from

DMA1192-AA	See Page 9-28
DMA1104D	See Page 9-28

DMA1192-AA	**Housing red, with glass and key**	**BPZ:5222870001**

Manual call point housing for the switching units DMA110xD.

Color	red, ~RAL 3000

DMA1104D	**Switching unit collective (single action)**	**A5Q00005925**

The electronic unit is a single action device by smashing in the glass plate to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning.
Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion hazard areas only.

Operating voltage	16... 26 VDC
Operating current	60... 100 mA
Terminal block	min. 0.28... 1.5 mm²

Type		Order No.
	Accessories	
DMZ1197-AD	**Protection seal**	BPZ:5470680001
	Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.	
	Delivery unit 5 pieces	
DMZ1197-AC	**Protective cover**	BPZ:5223550001
	Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.	
	Delivery unit 5 pieces	
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
A5Q00006735	**Locking plug M20 x 1.5 (1 hole)**	A5Q00006735
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000 Delivery unit 10 pieces	
A5Q00010055	**Locking plug M20 x 1.5 (2 holes)**	A5Q00010055
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.	
	Color red, ~RAL 3000 Delivery unit 10 pieces	

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Type		Order No.

DJ1191-Ex

Alarm indicator (frame mounting) for explosion-hazard areas

BPZ:4783440001

The alarm indicator is connected in parallel to automatic fire detectors in order to indicate quickly the source of an alarm signal from detectors that are not easily accessible or visible. The alarm indicator contains an indicator lamp unit with one or two LEDs. They light up as soon as a connected fire detector gives an alarm.
Screwless connection terminals.
The alarm indicator is suitable for door frames.

Operating voltage	4... 5 VDC
Operating current	max. 35 mA (continuous)
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Terminals	max. 1.5 mm^2
Ex-classification	'simple apparatus' acc. to EN50020 § 5.4 Ex ib IIC T6 (Ta ≤55 °C)/ Ex ib IIC T5 (Ta ≤70 °C)
Dimensions (W x H x D)	62 x 37 x 17 mm
Color	white, ~RAL 9010
Protection category	IP40
Data sheet	001679

DJ1192-Ex

Alarm indicator (surface mounting) for explosion-hazard areas

BPZ:4783570001

The alarm indicator is connected in parallel to automatic fire detectors in order to indicate quickly the source of an alarm signal from detectors that are not easily accessible or visible. The alarm indicator contains an indicator lamp unit with one or two LEDs. They light up as soon as a connected fire detector gives an alarm.
Screwless connection terminals.
The alarm indicator is suitable for wall mounting.

Operating voltage	4... 5 VDC
Operating current	max. 35 mA (continuous)
Operating temperature	-25... +80 °C
Relative humidity	≤95 %
Terminals	max. 1.5 mm^2
Ex-classification	'simple apparatus' acc. to EN50020 § 5.4 Ex ib IIC T6 (Ta ≤55 °C)/ Ex ib IIC T5 (Ta ≤70 °C)
Dimensions (W x H x D)	85 x 85 x 25 mm
Color	white, ~RAL 9010
Protection category	IP40
Data sheet	001679
Accessories	AI330 Adapter frame

Type		Order No.
	Accessories	
AI330	**Adapter frame for alarm indicator**	BPZ:3169430001

By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.

Dimensions (W x H x D)	85 x 85 x 16 mm

Type		Order No.
AJUT24-Ex	**Alarm indicator, model for recess mounting**	BPZ:2785440001

Made of transparent plastic, the AJUT24-Ex alarm indicator is suitable for installation in door frames, switching panels, ceiling voids or special housings. The 23 mm Ø mounting hole is drilled by the system owner. The holder must be fitted with the insulating cap for safety. For installation in humid rooms the DCA1191, DJZ1193 housings as well as a washer are available (must be ordered separately). Up to 4 alarm indicators can be built into the housing DCA1191.

Operating voltage	1.5 VDC
Operating current	max. 20... 30 mA (continuous)
Operating temperature	-25... +80 °C
Ex-classification	'simple apparatus' acc. to EN50020 § 5.4 Ex ib IIC T6 (Ta ≤55 °C)/ Ex ib IIC T5 (Ta ≤70 °C)
Color	transparent plastic
Dimensions (Ø x H)	26 x 51 mm
Protection category	IP56 with DCA1191 IP65 with DJZ1193
Data sheet	001679
Accessories	DCA1191 Housing (IP56) BPZ:2473130001 Washer
Further accessories	DJZ1193 Housing (IP65)

Accessories

Type		Order No.
DCA1191	**Housing (empty)**	BPZ:4588560001

Housing with cover for several applications. The housing offers six M20 cable feed-throughs for screwed cable glands and offers a higher protection category.
The screwed cable gland must be ordered separately.

Dimensions (W x H x D)	135 x 135 x 65 mm
Color	white, ~RAL 9010
Protection category	IP56
Accessories	A5Q00004478 Screwed cable gland M20

Type		Order No.
BPZ:2473130001	**Washer**	BPZ:2473130001

Washer for alarm indicator model recess mounting. The washer can be used for applications in humid rooms.

Dimensions (Ø x H)	23 x 1 mm

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Type		Order No.
A5Q00004478	**Screwed cable gland M20 x 1.5**	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	
	Delivery unit 10 pieces	
DJZ1193	**Alarm indicator housing incl. washer**	BPZ:5302950001
	For surface mounting in wet areas. 1 alarm indicator can be built into the housing.	
	Dimensions (W x H x D) 87 x 87 x 64 mm Color white, ~RAL 9010 Protection category IP65	
MVH1	**Mounting bracket**	BPZ:3496190001
	For mounting of the alarm indicator housing DJZ1193 and detectors in hollow floors.	
	Length 0.29... 0.42 m (pipe clamp 1/2")	

Type	Order No.

DB3

Alarm device for explosion-hazard areas of zones 1 and 2

BPZ:5757970001

The flameproof audible alarm device is intended for the use in potentially explosive atmospheres. It has been designed with high ingress protection to cope with harsh environmental conditions.

Operating voltage	12... 48 VDC
Alarm current	max. 380 mA
Volume at 24 V and 1 m	101... 115 dB
Number of sounds	27
Operating temperature	-20... +55 °C
Ex-classification	II 2 G Ex d IIC T5 (-20 °C ≤Ta ≤55 °C)
Terminals	6 x 2.5 mm^2
Dimensions (Ø x H)	137 x 184 mm
Color	red, anti-static, UV stable, glass reinforced polyester
Standard	CENELEC, EN 50014, 18
Protection category	IP66/67
Data sheet	009001

9

Cutting-edge technology – for all security and safety needs

Fire and security products from Siemens are the obvious choice because they are continually setting new standards in terms of quality, design, reliability, value for money and availability. For more than 150 years now we have been developing solutions for all types of problems, applications and needs, from fire detection through to alert and evacuation systems, consisting of everything from simple conventional systems to complex addressable networks. Over the years, our products and components have passed every test to which they have been subjected with flying colors.

Type		Order No.
DX791	**Detector exchanger**	**S54319-F6-A1**
	Insertion and removal of all FD720 point detectors. Equipped with a vacuum cup for insertion and removal of dust cap. Compatible with the telescope rods FDUM291/292.	
	Data sheet A6V10203222	
	Accessories FDUM291 Telescope rod	
	FDUM292 Telescope rod	
RE6	**Detector tester for smoke detectors**	**BPZ:3680300001**
	The detector tester (delivered with bellow DZZ1190) is placed over the detector and given a brief push to release the test gas and so simulate the presence of fire aerosols. The detector responds quickly and actuates an alarm. The test gas is free of halogenated chlorofluorocarbons (CFCs). It is not combustible. The extension rod FDUM291/292 and the test gas can REF8, REF8-S must be ordered separately.	
	Data sheet AlgoRex, Synova -> 001164	
	Sinteso -> 007228	
	Cerberus PRO -> A6V10203222	
	Accessories FDUM291 Telescope rod	
	FDUM292 Telescope rod	
	Further accessories RG320 Bellow	
REF8	**Test gas can for smoke detectors**	**A5Q00011687**
	REF8 has been developed as an environment friendly test gas for the testing of smoke detectors. It fulfills severe environmental regulations. REF8 can be used in the temperature range of 0... +40 °C in dry or in humid environments. Use only together with detector tester RE6.	
	Delivery unit 6 pieces	
REF8-S	**Test gas can for smoke detectors**	**A5Q00011688**
	REF8-S has been developed as environment friendly test gas for the testing of smoke detectors. It fulfills severe environmental regulations. REF8-S can be used in the temperature range of -20... +40 °C in dry or in humid environments. REF8-S remains measurable longer than REF8, and is used for detectors having a longer signal evaluation time. Use only together with detector tester RE6.	
	Delivery unit 6 pieces	

Type		Order No.
RG320	**Bellow for RE6**	**BPZ:5166880001**
	The bellow is fitted to the RE6 to fit all Synova 300 point detectors in an ideal way.	

RE6T	**Detector tester for heat detectors**	**BPZ:3680270001**

This detector tester contains a hot air generator. For the performance check, the tester is pushed over the detector. The hot air released, heats the detector and so actuates an alarm.
Forbidden in electrical switching stations or areas where there is a danger of explosion!
The extension rod FDUM291/292 must be ordered separately.

Mains voltage	220 VAC/50... 60 Hz, ~300 W
Operating temperature	0... +40 °C
Data sheet	AlgoRex, Synova -> 001164
	Sinteso -> 007228
	Cerberus PRO -> A6V10203222
Accessories	FDUM291 Telescope rod
	FDUM292 Telescope rod

RE7T	**Solo461 Heat detector tester kit**	**S54370-S3-A1**

The detector tester contains a hot air generator and is battery powered. The detector tester will automatically start testing when infrared beam in cup is broken.
Forbidden in electrical switching stations or areas where there is a danger of explosion!
The adapter RE7T-A and the extension rod FDUM291/292 must be ordered separately.

Relative humidity	≤95 %
Operating temperature	5... +45 °C
Storage temperature	-10... +50 °C
Data sheet	A6V10252901
Accessories	RE7T-A Solo719 Adaptor for FDUM29x
	FDUM291 Telescope rod
	FDUM292 Telescope rod

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Type		Order No.
	Accessories	
RE7T-A	**Solo719 Adaptor for FDUM29x**	**S54370-N4-A1**
	Adaptor from heat detector tester RE7T to the telescope rods FDUM29x.	
	Data sheet A6V10252901	
	Accessories	
FDUM291	**Telescope rod**	**A5Q00004996**
	The three-part telescope with tri-oval tubes serves as an extension for the detector exchanger, detector testers and other applications up to 5 m.	
	Length 1.6 m extendable to 4.2 m	
	Color yellow, black	

Type		Order No.
FDUM292	**Telescope rod**	A5Q00004997
	The stable, four-part telescope with round tubes serves as an extension for the detector exchanger, detector testers and other applications up to 8 m.	
	Length 2.1 m extendable to 7.3 m Color yellow, black	
DZB1191	**Detector base tester**	BPZ:4680660001
	The DB1191 base tester is handy and simple means of testing the detection line and detector base connections. The base tester is inserted in the detector base like a detector. All AlgoRex DS11 bases can be tested during installation either individually or consecutively after installation is completed. The DBZ1191 can test for open lines, short circuit, earth leakages, polarity and alarm indicator connection.	
	Data sheet 001049	

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Type		Order No.

LE3

Test lamp for flame detectors
Order No. **BPZ:3669510001**

The test lamp is used for testing the operation of all flame detectors (non explosion-hazard areas). It is supplied with all the necessary accessories in a suitable carrying case (incl. charger, without battery). The carrying case also provides a means of storing the test lamp free of dust.
The battery FA2003-A1 must be ordered separately.

Operating temperature	-20... +45 °C
Storage temperature	-20... +45 °C
Battery capacity	1 x 12 V / 7 Ah
Data sheet	AlgoRex, Synova, Sinteso -> 000252
	Cerberus PRO -> A6V10203222

StabexHF

Test lamp for flame detectors 'Ex'
Order No. **BPZ:4620910001**

The test lamp is used to carry out a performance check of intrinsically safe flame detectors in explosion-hazard areas of zones 1 and 2.

Operating temperature	-20... +40 °C
Storage temperature	-20... +40 °C
Battery capacity	2 x Alkali battery 1.5 V, single-cell UM1
Ex-classification	II 2 G Ex ib e IIC T4
Protection category	IP65
Data sheet	AlgoRex, Synova, Sinteso -> 000252
	Cerberus PRO -> A6V10203222

FDLU291

Adjustment device set for linear smoke detector
Order No. **A5Q00004905**

The optics of the linear smoke detector can be efficiently adjusted to the reflector by single-handed alignment via the adjustment device. Box with adjustment device, alarm test filter, visor, magnet, spiral cable, MC-link cable, and battery 9 V, 0.5 Ah.

RE10

Detector tester for linear smoke detectors
Order No. **BPZ:3685190001**

For performance check of linear smoke detector. In compliance with the type of detector to be tested, the alarm test filter is inserted in the detector tester.
The detector tester is then held in front of the optical parts of the detector (i.e. into the infrared ray). The detector reacts after a few seconds. Alarm test filter contained in FDLU291 or TF04 must be ordered separately.

Data sheet	Synova, AlgoRex -> 001164
	Sinteso -> 007228
	Cerberus PRO -> A6V10203222
Accessories	TF04 Alarm test filter
	FDUM291 Telescope rod
	FDUM292 Telescope rod

Type		Order No.
TF04	**Alarm test filter (Absorption 77 %)**	**BPZ:4931090001**
	Alarm test filter for detector tester RE10.	

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Type		Order No.

FDUL221

Line tester

A5Q00004397

The line tester is a universal device for the testing of installed FDnet/C-NET fire detection lines, when no control unit has been connected yet. For troubleshooting for electricians, installers or service technicians. Different functions can be polled, e.g. number of devices found, number and place of line errors found, short circuit, open line, ground fault with conductor(s), scrolling from detector to detector, with indication of type and serial number etc. Update of the device software (Firmware) via PC possible.
Power supply via battery or mains adapter.
Line tester incl. line connection set FDUL221-A and power supply set FDUL221-B.

Operating voltage	min. 10, max. 30 VDC Battery 2 x 9 V Mains adapter 240 VAC / 24 VDC, 624 mA
Detection line voltage	32 VDC -> FDnet (FS20, AlgoRex) 28 VDC -> FDnet (SIGMASYS) 32 VDC -> C-NET (FS720)
Current consumption	depending on number of devices and display illumination
Operating temperature	-25... +40 °C
Storage temperature	-30... +75 °C (-25... +60 °C with battery)
Relative humidity	≤95 % (no condensation)
Data sheet	Sinteso -> 007228 Cerberus PRO -> A6V10203222

A5Q00004142

Lithium brownstone battery 9 V / 1 Ah

A5Q00004142

For the supply of the detector testers, line tester, radio smoke detector etc.

Dimensions (W x H x D)	25 x 48 x 16 mm
Delivery unit	10 pieces

Type		Order No.

FDUZ221

MCL USB adapter

The MCL USB adapter is an interface converter for USB to MC link. It can be used to connect FDnet/C-NET devices to a PC using a serial protocol (MCL). The adapter is used for the firmware update or for operation. The adapter is used e.g. for floor repeater display FT2011-A1, floor repeater terminal FT2010-A1, line tester FDUL221 etc. (in the future other FDnet/C-NET devices possible).
The MC link cable, the USB cable (1.8 m) and a CD with USB driver software are included.

A5Q00020131

Power supply	via USB
Interface	USB 2.0/1.1
	MC link
Operating temperature	-10... +55 °C
Storage temperature	-20... +60 °C
Relative humidity	≤95 %
Dimensions (W x H x D)	100 x 30 x 54 mm
Protection category	IP30
Data sheet	Sinteso -> A6V10084591
	Cerberus PRO -> A6V10203222

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Batteries

Type		Order No.
FA2003-A1	**Battery (12 V, 7 Ah, VDS)** Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V). Dimensions (W x H x D)　　　151 x 94 x 65 mm	A5Q00019353
FA2004-A1	**Battery (12 V, 12 Ah, VDS)** Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V). Dimensions (W x H x D)　　　151 x 95 x 98 mm	A5Q00019354
FA2005-A1	**Battery (12 V, 17 Ah, VDS)** Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V). Dimensions (W x H x D)　　　181 x 167 x 77 mm	A5Q00019677
FA2006-A1	**Battery (12 V, 26 Ah, VDS)** Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V). Dimensions (W x H x D)　　　166 x 125 x 177 mm	A5Q00019356

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Type		Order No.
SV 24V-150W	**Power supply (150 W, A)**	**V24230-Z6-A4**
	Power supply (150 W, A) without accessories. Use as spare part.	
FHA7201-A3	**Cover cap (Cerberus)**	**S54400-B77-A1**
	Cover with Cerberus label. Use as spare part only.	
FHA7202-A3	**Cover cap (without print)**	**S54400-B74-A1**
	Cover without print. Use as spare part only.	
FCM7210-Z3	**Operating add-on**	**S54400-F76-A1**
	Operating add-on (complete base) without accessories. Use as spare part only.	
A5Q00017619	**Thermo printer rolls for Custom Plus-S-0004**	**A5Q00017619**
	Replacement printer rolls (10 rolls) for event printer FTO2001-A1. Use as spare part.	
	Delivery unit 10 pieces	

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Type		Order No.
A5Q00023963	**Typewriter ribbon**	**A5Q00023963**
	Genuine Fujitsu CA02374-C104 black fabric impact printer ribbon designed for the Fujitsu DL3750+ matrix printer.	
	Color black	

Type		Order No.
FCA1001	Line extension card 4-zones	A6E60500020
FCA1007-B	**Add-on line card**	A6E60500027
	To provide line continuity with diode bases according to British Standard BS5839 Pt1. One unit per 2 lines. Use as spare part.	
FCA1008-F	**VdS card (Germany)**	A6E60500028
	To drive the required VdS peripheral devices (FBF, ÜE and SST).	
FCA1009-E	**EVAC module**	A6E60500029
	Evacuation control module. Mounts on FC1008-E.	
FCA1013	**Universal accessory bag**	A6E60500068
	Consists of: 2 EOL (FCE1002) for sounder control lines 12 EOL resistors 3.9 kΩ 3 cable binder 1 LED diffuser base (16 pins) 1 LED diffuser base (1 pin) 1 Allen key 3 mm for M4 screws 5 eco-fix screws M3x5 4 Allen screws M4x12 4 stainless Allen screws M4x12 4 O-ring 2.90 x 1.78 3 fuses (315 mA, 630 mA, 160 mA) 6 mini jumpers 2.54 mm Accessories FCE1003-B EOL element FCE1004-F EOL element	
FCE1001	**EOL resistor 3.9 kΩ (set of 10 pcs.)**	A6E60500031
FCE1003-B	**EOL element for head removal monitoring**	A6E60500033
FCE1002	**Termination element, control line**	A6E60500032
	End of line for sounder control lines, as spare part.	
FCH1002	**Cover for the FC1002-A, -B, -C**	A6E60500035

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Type		Order No.
FCH1004	Cover for the FC1004-A, -B, -C	A6E60500036
FCH1004-E	Cover for the FC1004-E	A6E60500037
FCH1008	Cover for the FC1008-A, -B, -C	A6E60500038
FCH1008-D	Cover for the FC1008-D	A6E60500039
FCH1008-E	Cover for the FC1008-E	A6E60500040
FCH1008-F	Cover for the FC1008-F	A6E60500041
FCH1012	Cover for the FC1012-A, -B, -C	A6E60500043
FCH1012-F	Cover for the FC1012-F	A6E60500045
FCM1002	Main board 2-zones	A6E60500047
FCM1004	Main board 4-zones	A6E60500048
FCM1008	Main board for 8-zone units	A6E60500049
FCM1008-D	Main board for 8-zone units (Switzerland)	A6E60500050
FCP1002	Transformer for 2/4-zone units The transformer is delivered with mains connecting terminal.	A6E60500052

Type		Order No.
FCP1003	**Transformer for 8/12-zone units**	A6E60500053
	The transformer is delivered with mains connecting terminal. Mounts on FCP1001.	
FCP1001	**Power supply card 8/12-zone units**	A6E60500051
FCE1004-F	**EOL element for creeping short circuit monitoring**	A6E60500034
FCP1004-E	**Power supply 3.5 A**	A6E60500054
	Power supply 3.5 A, accessory for all control unit types FC10, or as spare part for FC1008-E and XC10.	

Type		Order No.
XCM1001	**Main board**	**A5Q00023946**
	Main board, lower and upper level for XC1001-A, as spare part.	
XCM1001-B	**Main board**	**A5Q00025160**
	Main board, lower and upper level for XC1001-B, as spare part.	
FCP1004-E	**Power supply 3.5 A**	**A6E60500054**
	Power supply 3.5 A, accessory for all control unit types FC10, or as spare part for FC1008-E and XC10.	
XCE1001	**Terminating resistor 3.3 kΩ**	**A6E60500065**
	Resistors for end of detector lines, as spare part.	
	Delivery unit 10 pieces	
XCE1003	**Fuse 2 A**	**A5Q00016960**
	Fuse 2 A for control lines 4 and 5, as spare part.	
	Delivery unit 2 pieces	
FCE1002	**Termination element, control line**	**A6E60500032**
	End of line for sounder control lines, as spare part.	

Type		Order No.
XCH1001	**Cover**	**A6E60500064**
	Cover with operating unit for XC1001-A, as spare part.	
XCH1001-B	**Cover**	**A5Q00018564**
	Cover with operating unit for XC1001-B, as spare part.	

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Type		Order No.
FDMG291	**Replacement glass**	**A5Q00002122**
	Replacement glass for manual call point housings FDMH291-x.	
	Delivery unit 10 pieces	
FDMK291	**Cover with key**	**A5Q00001643**
	Spare key with call point front for manual call point housings FDMH291-x.	
DMZ1196-AC	**Spare glass neutral**	**BPZ:4942050001**
	Easy to replace spare glass for the manual call point housings DMA1192-x, FDMH29x-x. The spare glass is neutral and has no marks.	
	Delivery unit 10 pieces	
DMZ1195	**Spare key**	**BPZ:4851910001**
	The spare key is used for all manual call point housings DMA1192-xx, FDMH293-x.	
	Delivery unit 10 pieces	
FDMG295	**Glass plate neutral**	**A5Q00013442**
	Glass plate for manual call points FDM225-RG, FDM226-RG, FDM1101-RG and FDM1101A-RG. Use as spare part.	
	Delivery unit 5 pieces	
FDMP295	**Plastic element neutral**	**A5Q00013445**
	Plastic element for manual call points FDM225-RP, FM226-RP, FDM1101-RP and FDM1101A-RP. Use as spare part.	
	Delivery unit 5 pieces	

Type	Order No.
FDMK295 **Spare key**	**A5Q00013448**

FDMK295

Spare key

Key for manual call points FDM225, FDM226, FDM1101 and FDM1101A.
Use as spare part.

Delivery unit   10 pieces

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Type		Order No.
FDCM291	**Mounting feet for in-/output modules**	A5Q00003855
	Installation in range of the in-/output modules with mounting feet onto top U-rail TS35. Use as spare part.	
	Delivery unit 25 pieces	
BPZ:3048160001	**Insulating cap for alarm indicators**	BPZ:3048160001
	Use as spare part.	
	Delivery unit 20 pieces	

Type		Order No.
FDLU291	**Adjustment device for FDLU291**	**A5Q00006540**
	Adjustment device use only as spare part.	
FDUD292-A	**Adapter cable**	**A5Q00004990**
	MC-Link cable from detector exchanger and tester to the in-/output modules, to the linear smoke detector and other devices (audio stereo cable 1.5 m with direct and bent stereo jack 3.5 mm). Use as spare part for FDUD292, FDUD293, FDUZ221.	
A5Q00009786	**Adapter with lever, screw and nut incl. attachment and bushing screw**	**A5Q00009786**
	Use as spare part to the telescope rods FDUM291and FDUM292.	
A5Q00009787	**Lever with screw and nut**	**A5Q00009787**
	Use as spare part to the telescope rods FDUM291and FDUM292.	
A5Q00009788	**Small flap with screw and nut**	**A5Q00009788**
	Use as spare part to the telescope rod FDUM291.	
A5Q00009789	**Large flap with screw and nut**	**A5Q00009789**
	Use as spare part to the telescope rod FDUM291.	

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Type		Order No.
FDUL221-A	**Line connection set** Use as spare part for line tester FDUL221.	A5Q00008436
FDUL221-B	**Mains adapter set** Use as spare part for line tester FDUL221.	A5Q00008437
FDUL221-C	**PC cable (RS232)** Use as spare part for line tester FDUL221.	A5Q00008438
BPZ:3679630001	**Halogen lamp 12 V / 50 W** Use as spare part for LE3.	BPZ:3679630001

Type		Order No.
RE7T-B	**Solo760 Battery for RE7T**	**S54370-N5-A1**
	Use as spare part for RE7T heat detector tester.	
	Data sheet A6V10252901	
RE7T-C	**Solo725 Charger for RE7T**	**S54370-N6-A1**
	Use as spare part for charging of battery baton to the RE7T heat detector tester.	
	Data sheet A6V10252901	
RG320	**Bellow for RE6**	**BPZ:5166880001**
	The bellow is fitted to the RE6 to fit all Synova 300 point detectors in an ideal way.	
DZZ1190	**Bellow for RE6**	**BPZ:4478380001**
	The bellow is fitted to the RE6 to fit all Synova 600 and AlgoRex point detectors in an ideal way.	

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Type		Order No.
FCM7201-Z3	**Operating unit**	**A5Q00018923-R**
	Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as repair part only.	
FCM7202-Y3	**Operating unit (+LED ind.)**	**A5Q00018925-R**
	Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as repair part only.	
FCM7203-H3	**Operating unit (+EVAC term.)**	**A5Q00018933-R**
	Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as repair part only.	
FCM7211-Y3	**Operating add-on (2xLED ind.)**	
	Complete operating unit (complete base) without accessories. Use as repair part only.	

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Type		Order No.
FCI2010-A1	**Periphery board (1-loop)** Periphery board (1-loop) without accessories. Use as repair part only.	A5Q00031729-R
FCI2002-A1	**Periphery board (2-loop)** Periphery board (2-loop) without accessories. Use as repair part only.	A5Q00005545-R
FCI2004-A1	**Periphery board (4-loop)** Periphery board (4-loop) without accessories. Use as repair part only.	A5Q00009953-R
FTI2001-A1	**Fire terminal board** Fire terminal board without accessories. Use as repair part only.	A5Q00013279-R
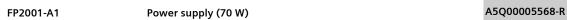
Type		Order No.
FN2001-A1	**Network module (SAFEDLINK)** Network module (SAFEDLINK) without accessories. Use as repair part only.	A5Q00012851-R
FP2001-A1	**Power supply (70 W)** Power supply (70 W) without accessories. Use as repair part only.	A5Q00005568-R

Type		Order No.
FT2010-A1	**Floor repeater terminal**	A5Q00014104-R
	Front part of the floor repeater terminal (cover cap, stick-on labels, keypad) without accessories. Use as repair part only.	
FT2011-A1	**Floor repeater display**	A5Q00017706-R
	Front part of the floor repeater display (cover cap, stick-on label, keypad) without accessories. Use as repair part only.	

MM8000 – the Danger Management Station for Cerberus PRO

MM8000 enables centralized alarm management and supervision of a broad range of fire safety, electronic security, and control systems. All are displayed in a uniform and clearly structured manner. Alarms and messages are listed according to security-relevant priorities, so operators have all relevant information at a glance. And in case of an event, MM8000 guides the user step by step through predefined procedures. Thanks to a user-friendly engineering tool, MM8000 can be configured quickly and easily. Moreover, MM8000 is a highly flexible and scalable Danger Management Station that can be adapted to changing requirements any time.

■ **MM8000 can integrate the following subsystems:**
– Fire safety
– Intrusion detection
– Access control
– Video surveillance
– Building automation installations
– and other subsystems

■ **Connecting Cerberus PRO to MM8000 offers many benefits, among them are:**
– Central control and operation
– Interaction with other safety subsystems
– Easy navigation and quick alarm localization
– Guided event treatment
– History database

Danger Management System
MM8000 Management Station

Type		Order No.
MM8000xxx	**MM8000 Danger Management Station**	**MM8000xxx**

The MM8000 danger management station provides a powerful solution for the centralized alarm management and supervision of a wide range of fire safety, security and control systems. It supports specifically fire, gas and intrusion detection, access control, video surveillance and building automation installations.

The MM8000 architecture allows the integration of Siemens fire safety, security and control systems as well as 3rd party solutions via standard interfaces.

Functionality
Complete overview of the actual state of technical installations in a building at any time.
Homogeneous and intuitive operation of the different subsystems.
Comprehensive guidance and support of the operator in case of an alarm.
Logging of all activities and powerful reporting possibilities.

Advantages
Safety: User guidance in case of an emergency guarantees that the right measures are taken.
Reliability: Based on the concept of autonomous subsystems and distributed control; possibility of redundant configurations.
Flexibility: Can be built and configured to fit the requirements of the customer.
Openness: OPC, BACnet and Modbus (via NK) interfaces for subsystem integration.
Scalability: MM8000 will easily grow to support more subsystems, disciplines and stations.

Features
Comfortable navigation through the system via graphical maps or object trees.
Advanced graphics including AutoCAD.
Automatic and/or manual alarm dispatching via e-mail, SMS and pagers.
Scheduler application for time-based actions.
Configurable interactions between different subsystems.
Macro editor for complex commands.
System security based on Microsoft Windows (combined login).
Flexible configuration of user access rights.
Support of dual monitor configurations.

System requirements	The MM8000 SW runs on a Microsoft Windows PC.
Ordering Information	Contact your local BT sales support representative for further information.
Data sheet	A6V10074451

Cerberus PRO – an overview of a smart system

The Cerberus PRO portfolio provides everything needed for smart fire protection: powerful control panels, clever fire detectors, smart peripheral devices – and elaborate safety features. What's more, every component comes from the same source.

- Unique safety features – such as degrade mode in control panels and built-in isolators in each peripheral device
- Powerful panels – from stand-alone to networkable control units
- Reliable detectors – developed and proven under countless job-site conditions
- Broad range of additional devices and accessories – from alarm sounders to sounder bases and combined sounder beacons and many more
- Cost efficiency – thanks to smart products and remote access
- Integration into the Siemens Danger Management System – interoperability with other subsystems such as access control, intrusion detection, video surveillance and others
- Control panels and fire terminals can serve as a standby operating unit for increased safety

Cerberus PRO Planning Tool – control panels and network

Danger Management System

MM8000, the Danger Management Station from Siemens is connected via BACnet. BACnet is a standardized communications protocol used in building automation. MM8000 is connected to the Ethernet interface of a defined master station (CAP).

Each station that is to be addressed by the Danger Management System via BACnet must be released by means of the license key (L2).

Connection via Ethernet is made through a station. This station is the CAP (Central Access Point). The CAP assigns the IP addresses and assumes the function of a router. The CAP has no firewall and must be configured directly on the corresponding station.

The Ethernet connection to the fire protection system is a point-to-point connection. It must be operated separately from an existing Ethernet. For operating Cerberus-Remote, a license key (L1 or L2) must be installed in the C-WEB station which is the CAP.

Cerberus-Remote

Remote access
Remote access provides the option of accessing the system with the remote operation tool Cerberus-Remote (access via Ethernet).

C-WEB/Ethernet   **BACnet/IP**

Fire control panel FC722-ZZ
Art. no.: S54400-C29-A5

Fire control panel FC722-YZ
Art. no.: S54400-C29-A4

Repeater (SAFEDLINK) FN2002-A1
Art. no.: S24236-B2502-A1

C-WEB/Ethernet

Four stations can be networked simply via Ethernet – a station can also be part of the C-WEB/SAFEDLINK. Connection is with a standard commercial Fast-Ethernet cable.

Key figures
– Max. number of networkable stations: 4
– Type of cable: Fast-Ethernet Cat. 5
– Data rate via Ethernet: 100/10 mbps
– Max. Ethernet connection points on the C-WEB: 1

Restriction on the Ethernet
– Not EN54-compliant
– Redundant networking not possible
– 4 stations can be networked via Ethernet (additional stations only networkable via C-WEB)

Fire control panel FC721-ZZ
Art. no.: S54400-C32-A2

Fire control panel FC721-YZ
Art. no.: S54400-C32-A3

Fire control panel FC721 (1-loop)

The FC721 is a compact fire control panel. It has the following features:
– 1 C-NET loop
– Integrated inputs/outputs for peripherals
– Integrated control unit
– Integrated power supply
– Automatic configuration

Fire control panel FC722 (2-loop)

The FC722 is a compact 2-loop fire control panel. It has the following features:
– 2 C-NET loops
– Integrated inputs/outputs for peripherals
– Integrated control unit
– Integrated power supply
– Automatic configuration
– Networkability via C-WEB/ SAFEDLINK or Ethernet

In the basic version each FC722 control panel contains:
– Alarm transmission
– Fault transmission
– Fire controls
– Monitoring of 2 conventional sounder lines

Fire control panel FC722-ZA
Art. no.: S54400-C29-A2

Fire control panel FC722-ZE
Art. no.: S54400-C29-A1

Floor repeater terminal FT2010-A1
Art. no.: A5Q00014104

C-WEB/SAFEDLINK

A maximum of 16 stations (fire control panels and operator terminals) can be networked together in any configuration via C-WEB/SAFEDLINK.

Optical smoke detector OP720

Alarm sounder FDS221-R

C-NET
(For further details see also the Cerberus PRO Planning Tools – C-NET devices)

Manual call point, red FDM221

Legend for the designation of the interfaces:
C-NET	Network for linking Cerberus® PRO devices
C-WEB/SAFEDLINK	Network for linking the stations
C-WEB/Ethernet	Networking of 4 stations (not EN54-compliant)
BACnet/IP	Connection to management systems/building control systems
Serial interfaces	An optional RS232 and/or an RS485 interface (also freely combinable) per control panel or operator terminal

SIEMENS

Housings

Housing (Eco)
FH7201-Z3
Art. no.: S54400-B72-A1

Housing (Standard)
FH7202-Z3
Art. no.: S54400-B70-A1

Housing (Comfort)
FH7203-Z3
Art. no.: S54400-B71-A1

19" mounting kit
FHA2016-A1
Art. no.: A5Q00020179

Fire control panel
FC724-ZA
Art. no.:
S54400-C30-A2

Fire control panel
FC724-ZE
Art. no.:
S54400-C30-A3

In the basic version
each FC724 control
panel contains:
— Alarm transmission
— Fault transmission
— Fire controls
— Monitoring of 2 conven-
tional sounder lines

Fire control panel FC724 (4-loop)

The FC724 is a compact 4-loop
fire control panel. It has the
following features:
– 4 C-NET loops
– Integrated inputs/outputs
  for peripherals

– Integrated control unit
– Integrated power supply
– Automatic configuration
– Networkability via C-WEB/
  SAFEDLINK or Ethernet

Fire terminal FT724

The FT724 has the following
features:
– Integrated control unit
– Separate 24 VDC supply
  input possible

– Redundant 24 VDC supply
  input
– Networkability via C-WEB/
  SAFEDLINK or Ethernet

C-WEB/SAFEDLINK

Fire terminal
FT724-ZZ
Art. no.:
S54400-C31-A2

Operating add-ons

Operating add-on (2xLED-ind.)
FCM7211-Y3
Art. no.: S54400-F75-A1

Key switch (Kaba)
FTO2005-C1
Art. no.: A5Q00010113

Event printer
FTO2001-A1
Art. no.: A5Q00010126

Matrix printer external
DL3750+
Art. no.: A5Q00023962

Expansion and networking options

Loop extension
(C-NET)
FCI2003-A1
Art. no.:
A5Q00010136

RS232 module
(isolated)
FCA2001-A1
Art. no.:
A5Q00005327

Sounder module
FCA2005-A1
Art. no.: A5Q00014866

License key (L1)
FCA2012-A1
Art. no.: A5Q00018856

Network module
(SAFEDLINK)
FN2001-A1
Art. no.:
A5Q00012851

RS485 module
(isolated)
FCA2002-A1
Art. no.:
A5Q00009923

License key (L2)
FCA2013-A1
Art. no.: A5Q00018857

Power supply

Power supply kit (70 W)
FP2003-A1
Art. no.: A5Q00016005
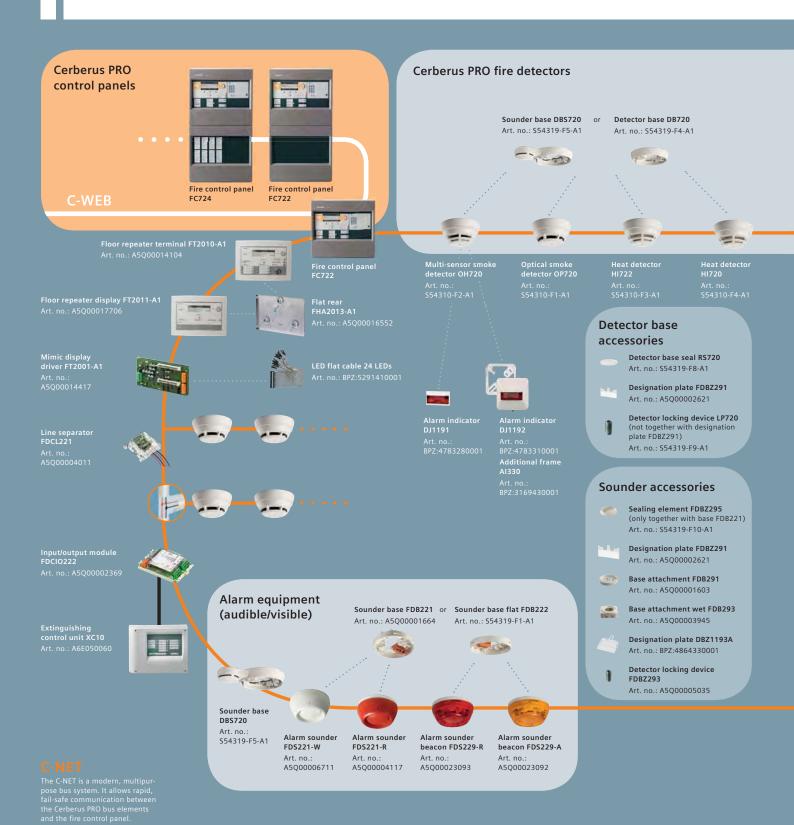
Power supply kit (150 W)
FP2004-A1
Art. no.: A5Q00020825
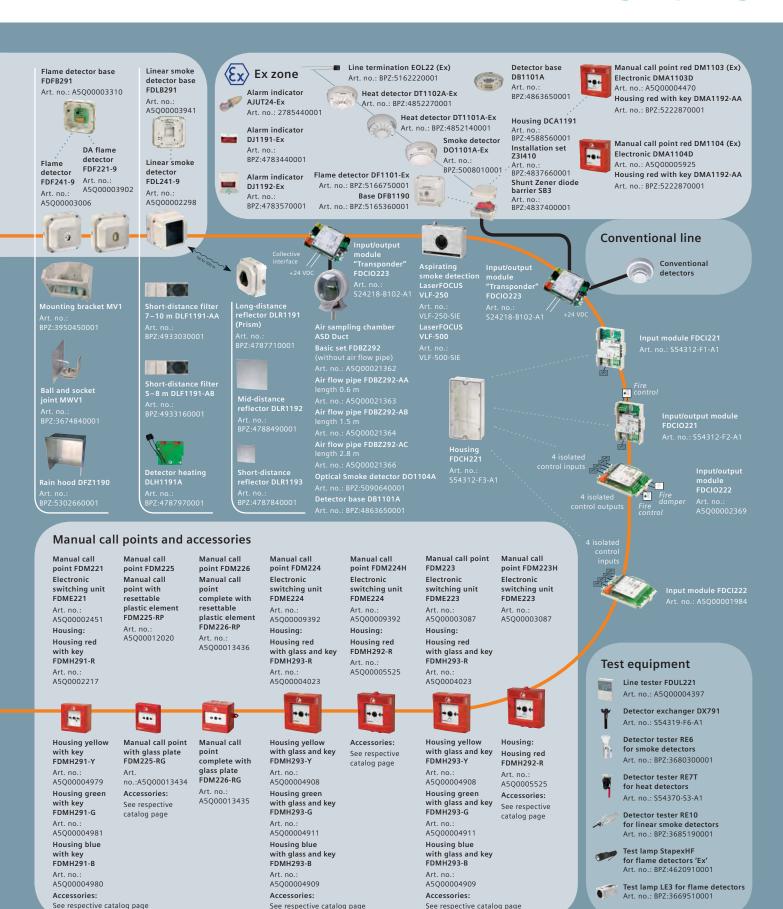
Additional power supply
(150 W) FP2005-A1
Art. no.: A5Q00018779

Cerberus PRO Planning Tool – C-NET devices

Cerberus PRO control panels

C-WEB

Fire control panel FC724

Fire control panel FC722

Floor repeater terminal FT2010-A1
Art. no.: A5Q00014104

Fire control panel FC722

Floor repeater display FT2011-A1
Art. no.: A5Q00017706

Flat rear FHA2013-A1
Art. no.: A5Q00016552

Mimic display driver FT2001-A1
Art. no.: A5Q00014417

LED flat cable 24 LEDs
Art. no.: BPZ:5291410001

Line separator FDCL221
Art. no.: A5Q00004011

Input/output module FDCIO222
Art. no.: A5Q00002369

Extinguishing control unit XC10
Art. no.: A6E050060

Cerberus PRO fire detectors

Sounder base DBS720   or   **Detector base DB720**
Art. no.: S54319-F5-A1   Art. no.: S54319-F4-A1

Multi-sensor smoke detector OH720
Art. no.: S54310-F2-A1

Optical smoke detector OP720
Art. no.: S54310-F1-A1

Heat detector HI722
Art. no.: S54310-F3-A1

Heat detector HI720
Art. no.: S54310-F4-A1

Alarm indicator DJ1191
Art. no.: BPZ:4783280001

Alarm indicator DJ1192
Art. no.: BPZ:4783310001

Additional frame AI330
Art. no.: BPZ:3169430001

Detector base accessories

Detector base seal RS720
Art. no.: S54319-F8-A1

Designation plate FDBZ291
Art. no.: A5Q00002621

Detector locking device LP720
(not together with designation plate FDBZ291)
Art. no.: S54319-F9-A1

Sounder accessories

Sealing element FDBZ295
(only together with base FDB221)
Art. no.: S54319-F10-A1

Designation plate FDBZ291
Art. no.: A5Q00002621

Base attachment FDB291
Art. no.: A5Q00001603

Base attachment wet FDB293
Art. no.: A5Q00003945

Designation plate DBZ1193A
Art. no.: BPZ:4864330001

Detector locking device FDBZ293
Art. no.: A5Q00005035

Alarm equipment (audible/visible)

Sounder base FDB221   or   **Sounder base flat FDB222**
Art. no.: A5Q00001664   Art. no.: S54319-F1-A1

Sounder base DBS720
Art. no.: S54319-F5-A1

Alarm sounder FDS221-W
Art. no.: A5Q00006711

Alarm sounder FDS221-R
Art. no.: A5Q00004117

Alarm sounder beacon FDS229-R
Art. no.: A5Q00023093

Alarm sounder beacon FDS229-A
Art. no.: A5Q00023092

C-NET

The C-NET is a modern, multipurpose bus system. It allows rapid, fail-safe communication between the Cerberus PRO bus elements and the fire control panel.

Legend for the designation of fire detectors:

C-WEB   Network for linking the stations
C-NET   Network for linking Cerberus PRO devices
...xxx-9   Connection to collective and conventional technology possible

SIEMENS

Ex zone

Flame detector base FDFB291
Art. no.: A5Q00003310

Flame detector FDF241-9
Art. no.: A5Q00003006

DA flame detector FDF221-9
Art. no.: A5Q00003902

Linear smoke detector base FDLB291
Art. no.: A5Q00003941

Linear smoke detector FDL241-9
Art. no.: A5Q00002298

Alarm indicator AJUT24-Ex
Art. no.: 2785440001

Alarm indicator DJ1191-Ex
Art. no.: BPZ:4783440001

Alarm indicator DJ1192-Ex
Art. no.: BPZ:4783570001

Line termination EOL22 (Ex)
Art. no.: BPZ:5162220001

Heat detector DT1102A-Ex
Art. no.: BPZ:4852270001

Heat detector DT1101A-Ex
Art. no.: BPZ:4852140001

Smoke detector DO1101A-Ex
Art. no.: BPZ:5008010001

Flame detector DF1101-Ex
Art. no.: BPZ:5166750001
Base DFB1190
Art. no.: BPZ:5165360001

Detector base DB1101A
Art. no.: BPZ:4863650001

Housing DCA1191
Art. no.: BPZ:4588560001
Installation set Z3I410
Art. no.: BPZ:4837660001
Shunt Zener diode barrier SB3
Art. no.: BPZ:4837400001

Manual call point red DM1103 (Ex)
Electronic DMA1103D
Art. no.: A5Q00004470
Housing red with key DMA1192-AA
Art. no.: BPZ:5222870001

Manual call point red DM1104 (Ex)
Electronic DMA1104D
Art. no.: A5Q00005925
Housing red with key DMA1192-AA
Art. no.: BPZ:5222870001

Collective interface
+24 VDC
up to 100 m

Input/output module "Transponder" FDCIO223
Art. no.: S24218-B102-A1

Aspirating smoke detection LaserFOCUS VLF-250
Art. no.: VLF-250-SIE
LaserFOCUS VLF-500
Art. no.: VLF-500-SIE

Input/output module "Transponder" FDCIO223
Art. no.: S24218-B102-A1
+24 VDC

Conventional line

Conventional detectors

Mounting bracket MV1
Art. no.: BPZ:3950450001

Ball and socket joint MWV1
Art. no.: BPZ:3674840001

Rain hood DFZ1190
Art. no.: BPZ:5302660001

Short-distance filter 7–10 m DLF1191-AA
Art. no.: BPZ:4933030001

Short-distance filter 5–8 m DLF1191-AB
Art. no.: BPZ:4933160001

Detector heating DLH1191A
Art. no.: BPZ:4787970001

Long-distance reflector DLR1191 (Prism)
Art. no.: BPZ:4787710001

Mid-distance reflector DLR1192
Art. no.: BPZ:4788490001

Short-distance reflector DLR1193
Art. no.: BPZ:4787840001

Air sampling chamber ASD Duct
Basic set FDBZ292
(without air flow pipe)
Art. no.: A5Q00021362
Air flow pipe FDBZ292-AA
length 0.6 m
Art. no.: A5Q00021363
Air flow pipe FDBZ292-AB
length 1.5 m
Art. no.: A5Q00021364
Air flow pipe FDBZ292-AC
length 2.8 m
Art. no.: A5Q00021366
Optical Smoke detector DO1104A
Art. no.: BPZ:5090640001
Detector base DB1101A
Art. no.: BPZ:4863650001

Housing FDCH221
Art. no.: S54312-F3-A1

Input module FDCI221
Art. no.: S54312-F1-A1

Fire control

Input/output module FDCIO221
Art. no.: S54312-F2-A1

4 isolated control inputs

Input/output module FDCIO222
Art. no.: A5Q00002369

4 isolated control outputs
Fire control
Fire damper
Fire control

4 isolated control inputs

Input module FDCI222
Art. no.: A5Q00001984

Manual call points and accessories

Manual call point FDM221
Electronic switching unit FDME221
Art. no.: A5Q00002451
Housing:
Housing red with key FDMH291-R
Art. no.: A5Q0002217

Manual call point FDM225
Manual call point with resettable plastic element FDM225-RP
Art. no.: A5Q00012020

Manual call point FDM226
Manual call point complete with resettable plastic element FDM226-RP
Art. no.: A5Q00013436

Manual call point FDM224
Electronic switching unit FDME224
Art. no.: A5Q00009392
Housing:
Housing red with glass and key FDMH293-R
Art. no.: A5Q00004023

Manual call point FDM224H
Electronic switching unit FDME224
Art. no.: A5Q00009392
Housing:
Housing red FDMH292-R
Art. no.: A5Q00005525

Manual call point FDM223
Electronic switching unit FDME223
Art. no.: A5Q00003087
Housing:
Housing red with glass and key FDMH293-R
Art. no.: A5Q0004023

Manual call point FDM223H
Electronic switching unit FDME223
Art. no.: A5Q00003087

Housing yellow with key FDMH291-Y
Art. no.: A5Q00004979
Housing green with key FDMH291-G
Art. no.: A5Q00004981
Housing blue with key FDMH291-B
Art. no.: A5Q00004980
Accessories:
See respective catalog page

Manual call point with glass plate FDM225-RG
Art. no.: A5Q00013434
Accessories:
See respective catalog page

Manual call point complete with glass plate FDM226-RG
Art. no.: A5Q00013435

Housing yellow with glass and key FDMH293-Y
Art. no.: A5Q00004908
Housing green with glass and key FDMH293-G
Art. no.: A5Q00004911
Housing blue with glass and key FDMH293-B
Art. no.: A5Q00004909
Accessories:
See respective catalog page

Accessories:
See respective catalog page

Housing yellow with glass and key FDMH293-Y
Art. no.: A5Q00004908
Housing green with glass and key FDMH293-G
Art. no.: A5Q00004911
Housing blue with glass and key FDMH293-B
Art. no.: A5Q00004909
Accessories:
See respective catalog page

Housing:
Housing red FDMH292-R
Art. no.: A5Q0005525
Accessories:
See respective catalog page

Test equipment

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Art. no.: A5Q00004397

Detector exchanger DX791
Art. no.: S54319-F6-A1

Detector tester RE6 for smoke detectors
Art. no.: BPZ:3680300001

Detector tester RE7T for heat detectors
Art. no.: S54370-S3-A1

Detector tester RE10 for linear smoke detectors
Art. no.: BPZ:3685190001

Test lamp StapexHF for flame detectors 'Ex'
Art. no.: BPZ:4620910001

Test lamp LE3 for flame detectors
Art. no.: BPZ:3669510001

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