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Cerberus PRO product catalog

Fire safety products and accessories

Answers for infrastructure.

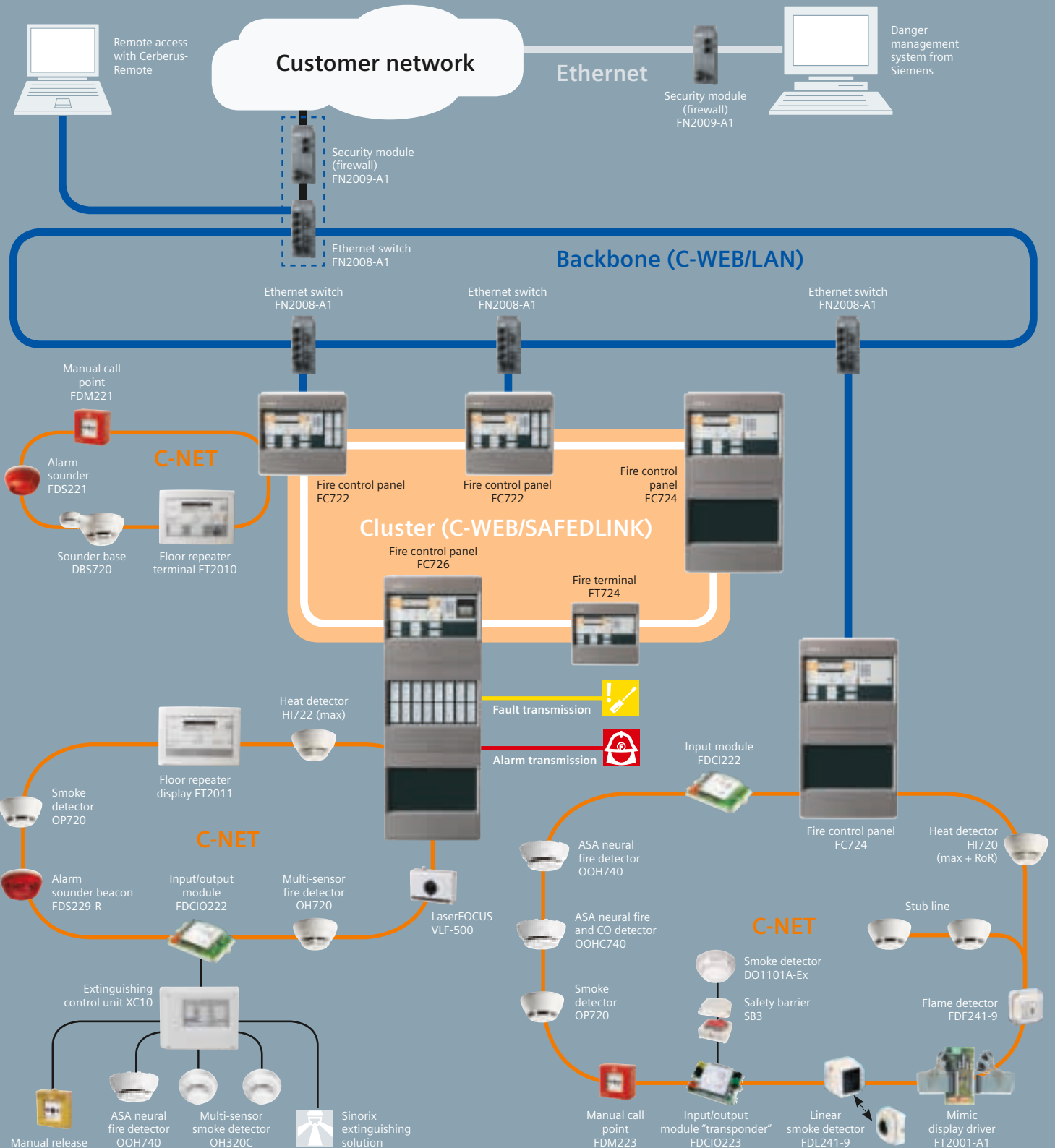
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Cerberus PRO – enjoy protecting

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.



Compatibility chart

Addressable devices										
	Optical detector	Multi-sensor detector	ASA neural fire detector	ASA neural fire and CO detector	Heat detectors	Manual call points				
	OP720	OH720	OOH740	OOHC740	HI720 / HI722 static and rate of rise /static	FDM221	FDM225/FDM226	FDM224/FDM224H	FDM223/FDM223H	
Stand-alone addressable fire control panel										
FC721 (1 loop)	■	■	■	■	■	■	■	■	■	
Networkable addressable fire control panels										
FC722 (2 loops)	■	■	■	■	■	■	■	■	■	
FC724 (4 loops)	■	■	■	■	■	■	■	■	■	
FC726 (4 loops)	■	■	■	■	■	■	■	■	■	
Conventional fire control panels										
Genesis (1 zone)			■*							
FC10 (2 – 12 zones)			■*							
Conventional extinguishing control panel										
XC10			■*							

■ Compatible

■ Compatible with an interface

* 3 parameter sets only



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.

■ Protecting people and assets reliably with Siemens products

The Cerberus PRO family comprises different control panels, fire detectors, 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. Degradate mode functionality is integrated throughout the system, ensuring detection, control, alarming, and fire brigade communication even in the event of a processor failure.

■ Maximizing safety through earliest detection

A detector for any type of fire as well as for carbon monoxide concentrations. Thanks to our unique *ASAtechnology*, Cerberus PRO provides detectors with excellent detection reliability and protection against false alarms – even in highly demanding environments. The clue: selectable parameter sets and dynamic algorithms that interpret signals in real time.

■ Creating networks in various sizes

Cerberus PRO is a straightforward fire protection system. It offers all from stand-alone to networkable control panels.

The uniform hardware concept of the panels facilitates the planning process. Even large, campus-wide networks can be easily realized with little additional planning. Simply connect up to 14 clusters (C-WEB/SAFEDLINK) to an EN 54-approved fiber-optic backbone (C-WEB/LAN). The industrial LAN technology also enables you to optimally adapt Cerberus PRO to any building or process structure. In addition, Cerberus PRO can be integrated into an existing IT network. Information can then be distributed across a network, further enhancing system usability.

Commissioning of the system is safe and easy thanks to auto-configuration. It enables instant fire protection during the construction phase, supporting on-time handover. Moreover, Cerberus PRO can be integrated into the danger management system from Siemens. Your benefit: You can connect fire protection with other security-related subsystems such as access control or intrusion detection.

■ Relying on experience

Our products are backed by decades of experience and know-how. We will continue to further extend our Cerberus PRO portfolio. Compatibility of future add-ons is a matter of course – making Cerberus PRO a safe investment.

Highlights

- Unique detection reliability and protection against false alarms – thanks to *ASAtechnology*
- Smart, unique safety features – such as built-in isolators and integrated degrade mode
- Safe and easy commissioning – thanks to auto-configuration
- Integration into the danger management system from Siemens possible
- Extended network possibilities for widely distributed or complex buildings
- Easy planning – even for campus-wide networks
- Cerberus PRO portfolio – reliable, high-quality products from Siemens



Stand-alone Fire Control Panels Fire Control Network Participants

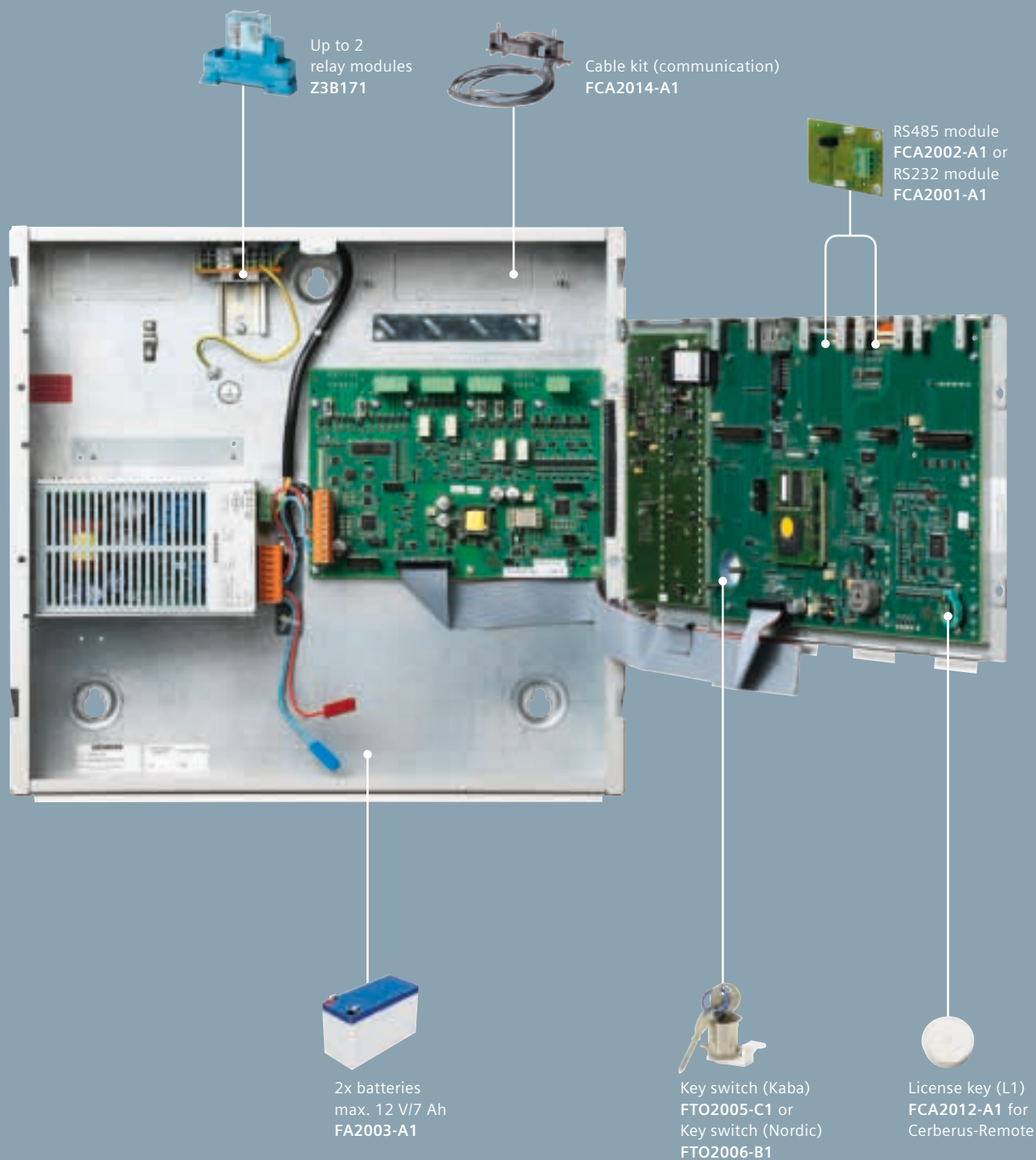


Ensuring comprehensive safety with powerful panels

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 four models, covering small to very large application areas. They can either stand alone or be networked 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 – to realize redundant and EN 54-approved networks
- Simple networking of control panels and fire terminals
- Extended network possibilities – with industrial LAN technology for widely distributed or complex buildings
- Easy and intuitive to operate – to ensure right action in case of an event
- Remote access – for remote and cost-efficient servicing
- Fire terminals for additional, remote system user interfaces – such as in the security monitoring room or the reception area

Stand-alone addressable fire control panel FC721*



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

Stand-alone Fire Control Panels
FC72x Compact Fire Control Panels
FC721 Series


Type	Order No.																																						
<p>FC721..</p> <p>Fire control panel (1-loop) in housing (Eco)</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>The FC721.. is ideally suited for smaller applications, e.g. in workshops, hotels, etc.</p> <p>The expansion and accessories must be ordered separately.</p> <table border="0"> <tr> <td>Detector compatibility</td> <td>Cerberus PRO FD720</td> </tr> <tr> <td>Number of addresses</td> <td>max. 126</td> </tr> <tr> <td>Number of detector lines</td> <td>1 loop or 2 stub lines</td> </tr> <tr> <td>Programmable input/output</td> <td>4</td> </tr> <tr> <td>Supervised output</td> <td>1 x RT alarm 1 x RT fault 1 x Horn</td> </tr> <tr> <td>Mains voltage</td> <td>85... 265 VAC</td> </tr> <tr> <td>Operating voltage</td> <td>21... 28.6 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 2.5 A</td> </tr> <tr> <td>Power supply</td> <td>70 W</td> </tr> <tr> <td>Emergency power supply</td> <td>up to 72 h (optional)</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V, 7 Ah</td> </tr> <tr> <td>Plug-in position</td> <td>1 -> for serial interface RS232 or RS485</td> </tr> <tr> <td>Operating temperature</td> <td>-8... +42 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Color housing/cover</td> <td>grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 398 x 80 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10203220</td> </tr> </table>	Detector compatibility	Cerberus PRO FD720	Number of addresses	max. 126	Number of detector lines	1 loop or 2 stub lines	Programmable input/output	4	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	<p>FC721..</p>
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Stand-alone Fire Control Panels
FC72x Compact Fire Control Panels
FC721 Series



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	DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (Communication) FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module	
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	DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (Communication) FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module	

Stand-alone Fire Control Panels
FC72x Compact Fire Control Panels
FC721 Series


Type	Order No.
FC721-HZ	S54400-C32-A1
	<p>Fire control panel (1-loop) in housing (Eco) with EVAC operating unit</p> <p>See FC721.. for technical overview and note the additional / other specifications: With 10 evacuation operating zones for Netherlands.</p> <p>Expansion</p> <ul style="list-style-type: none"> FCA2012-A1 License key (L1) FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard) <p>Accessories</p> <ul style="list-style-type: none"> DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (Communication) FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module

Stand-alone Fire Control Panels

FC72x Compact Fire Control Panels

Expansion FC721





Type		Order No.
FCA2012-A1	<p>License key (L1)</p> <p>iButton with license for: Sinteso™ -> SintesoView Cerberus® PRO -> Cerberus-Remote Only one license key is required per station.</p> 	A5Q00018856
FCA2001-A1	<p>RS232 module (isolated)</p> <p>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.</p> <p>Cable capacity 0.2... 1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm</p> 	A5Q00005327
FCA2002-A1	<p>RS485 module (isolated)</p> <p>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.</p> <p>Cable capacity 0.2... 1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm</p> 	A5Q00009923
FH7201-Z3	<p>Housing (Eco)</p> <p>Empty housing for open use, e.g. power supply kit with batteries, operating add-on, event printer or mimic display.</p> <p>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 Event printer FCM7211-Y3 Operating add-on (2xLED-in-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W)</p> 	S54400-B72-A1

Stand-alone Fire Control Panels

FC72x Compact Fire Control Panels






Expansion FC721

Type	Order No.
FH7202-Z3 	S54400-B70-A1
<p>Housing (Standard)</p> <p>Empty housing for open use, e.g. power supply kit with batteries, operating add-on or for the event printer.</p> <p>Cabinet dimensions (W x H x D) 430 x 398 x 160 mm</p> <p>Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</p> <p>Protection category IP30</p> <p>Integral battery space 2 x FA2003-A1 (7 Ah) or 2 x FA2004-A1 (12 Ah) or 2 x FA2006-A1 (26 Ah)</p> <p>Expansion FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B)</p>	
FTO2001-A1 	A5Q00010126
<p>Event printer</p> <p>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.</p> <p>Operating voltage 9... 48 VDC</p> <p>Quiescent current 50 mA</p> <p>Operating current 3 A @ 9VDC 0.7 A @ 48VDC</p> <p>Interface RS232 serial</p> <p>Operating temperature 0... +50 °C</p> <p>Storage temperature -20... +70 °C</p> <p>Relative humidity ≤95 % (no condensation)</p> <p>Dimensions (W x H x D) 85 x 85 x 55 mm</p>	
FP2003-A1 	A5Q00016005
<p>Power supply kit (70 W)</p> <p>Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.</p> <p>Supply voltage AC 85... 265 V</p> <p>Power consumption max. 90 VA</p> <p>Current 0.5... 1 A</p> <p>Dimensions (W x H x D) 95 x 170 x 54 mm</p>	

Stand-alone Fire Control Panels



FC72x Compact Fire Control Panels

Accessories FC721

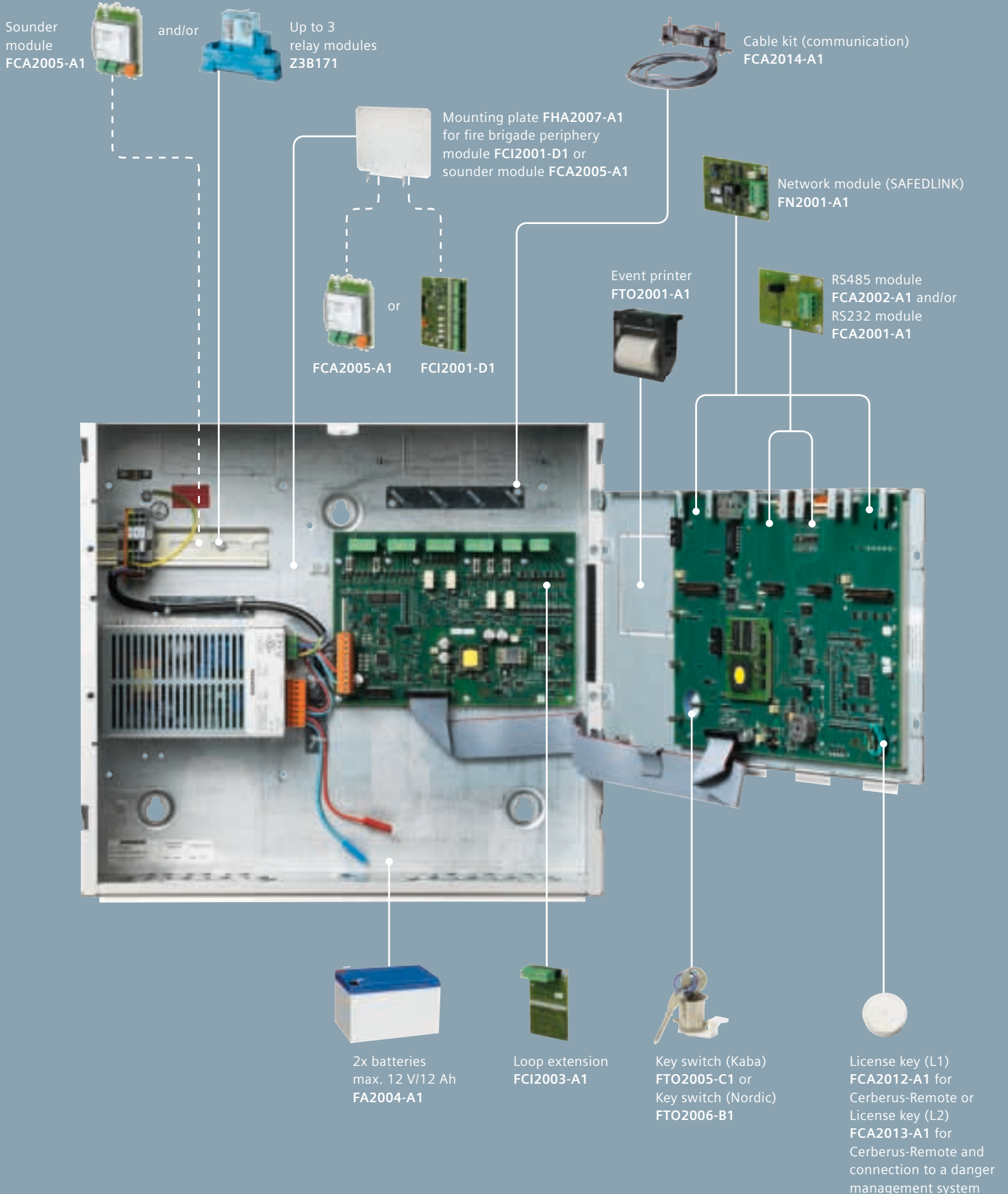
Type		Order No.
<p>FTO2005-C1</p>  <p>Key switch (Kaba) Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).</p>	A5Q00010113	
<p>FTO2006-B1</p>  <p>Key switch (Nordic) Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).</p>	A5Q00010129	
<p>Z3B171</p>  <p>Relay module with 1 contact The relay module is an additional fire event control module, activated by the fire control panel's control output.</p> <p>Contact rating 250 VAC / 10 A Delivery unit 10 pieces</p>	BPZ:4843830001	
<p>FHA2016-A1</p>  <p>19" mounting kit To install fire control panels and fire terminals in a 19" third-party housing.</p> <p>Dimensions (W x H x D) 430 x 100 x 324 mm</p>	A5Q00020179	
<p>FHA2017-A1</p>  <p>Flush mounting bezel one HU Optimal bezel for flush mounting installation for all fire control panels and operating terminals</p> <p>Color white, ~RAL 9010 Dimensions (W x H) 530 x 500 mm</p>	A5Q00024719	

Stand-alone Fire Control Panels
FC72x Compact Fire Control Panels
Accessories FC721

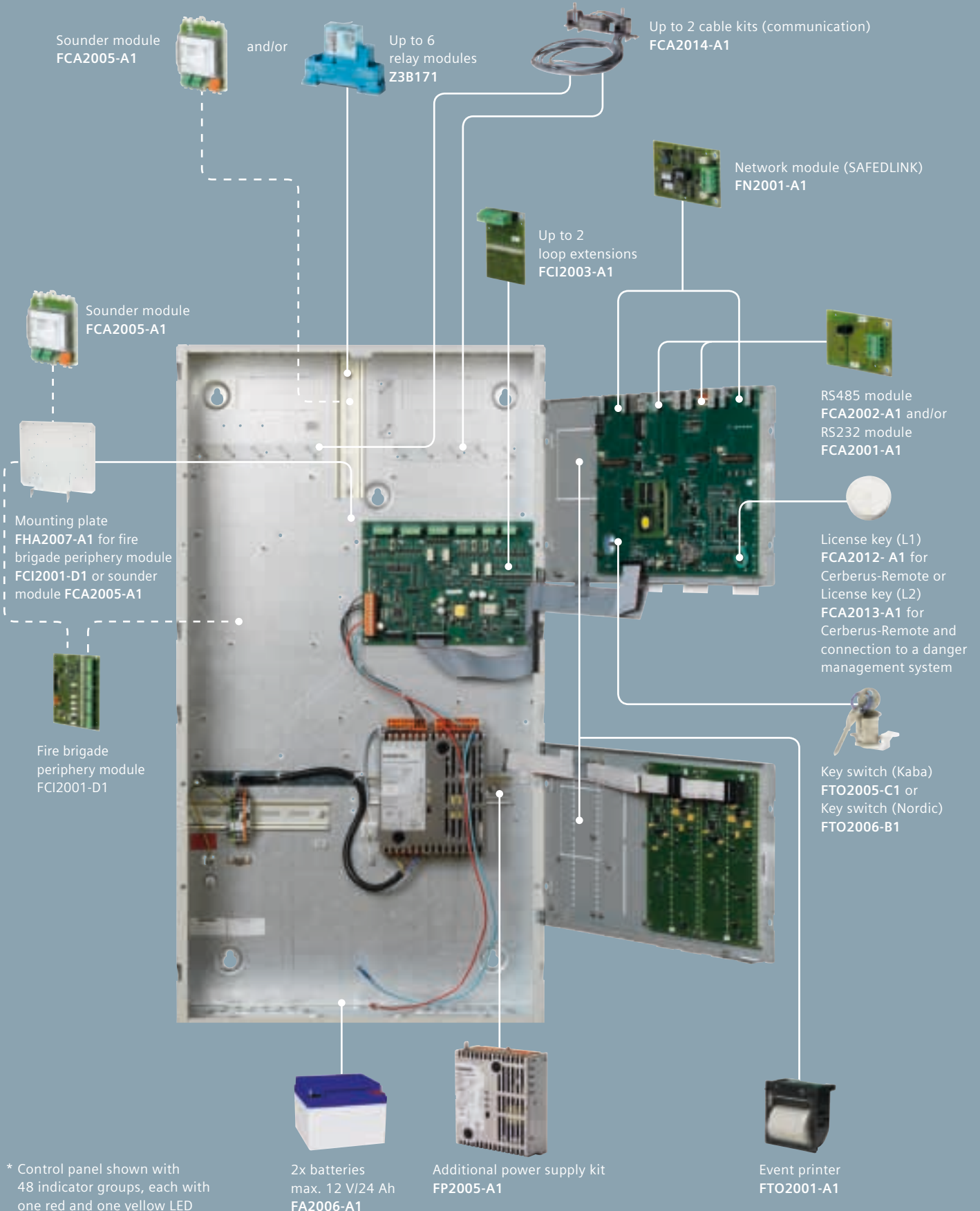


Type	Order No.																
<p>FCA2014-A1</p> 	<p>A5Q00023027</p>																
<p>DL3750+</p> 	<p>A5Q00023962</p>																
<p>Cable kit (communication) For flexible cable connections to the modules on the PMI-& main board.</p> <p>Matrix printer external The Fujitsu DL3750+ is a compact, 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.</p> <table border="0"> <tr> <td>Number of copies</td> <td>5 incl. original</td> </tr> <tr> <td>Character set</td> <td>6</td> </tr> <tr> <td>Resolution</td> <td>360 x 360 dpi</td> </tr> <tr> <td>Interface</td> <td>RS232 or Ethernet (via Print-Server PS01a)</td> </tr> <tr> <td>Operating temperature</td> <td>+5... +38 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-15... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>415 x 120 x 330 mm</td> </tr> </table>	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	
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Networkable addressable fire control panel FC722 Standard



Networkable addressable fire control panel FC722 Comfort*



SIEMENS



www.siemens.com/cerberus

Cerberus PRO – ensuring comprehensive fire safety with powerful panels

Combining high security standards with the latest technology

Whether small or very 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 make 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.

Answers for infrastructure.

Fire Control Network Participants
FC72x Networkable Fire Control Panels
FC722 Series




Type	Order No.																												
<p>FC722..</p> <p>Fire control panel (2-loop) in housing (Standard)</p> <p>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 32 fire control panels and fire terminals can be connected in a single cluster (C-WEB/SAFEDLINK network), or up to 16 panels when the cluster is connected to a danger management system. Using a fiber-optic backbone (C-WEB/LAN) up to 14 of these clusters with up to 16 panels each can be networked. This topology enables the construction of an EN 54-conform network with up to 64 fire control panels and fire terminals.</p> <p>All detector lines are monitored for ground faults.</p> <p>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.</p> <p>Detection and automatic read-in (auto configuration) of all C-NET devices, providing immediate simple operation.</p> <p>Stored data can be uploaded via Cerberus-Remote access.</p> <p>The FC722.. is ideally suited for medium-sized 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.</p> <p>The expansion and accessories must be ordered separately.</p> <table border="0"> <tr> <td>Detector compatibility</td> <td>Cerberus PRO FD720</td> </tr> <tr> <td>Number of addresses</td> <td>max. 252</td> </tr> <tr> <td>Number of detector lines</td> <td>2 (4) loops or 4 (8) stub lines</td> </tr> <tr> <td>Programmable input/output</td> <td>8</td> </tr> <tr> <td>Relay outputs</td> <td>1 x RT alarm 1 x RT fault</td> </tr> <tr> <td>Supervised output</td> <td>1 x RT alarm 1 x RT fault 1 x horn</td> </tr> <tr> <td>Emergency power supply</td> <td>up to 72 h (optional)</td> </tr> <tr> <td>Plug-in position</td> <td>2 -> for serial interfaces RS232, RS485 2 -> for network modules 1 -> for loop extension (C-NET)</td> </tr> <tr> <td>Operating temperature</td> <td>-8... +42 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Color housing/cover</td> <td>grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</td> </tr> <tr> <td>Data sheet</td> <td>A6V10206525</td> </tr> </table>	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	<p>FC722..</p>
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Data sheet	A6V10206525																												

Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC722 Series


Type	Order No.																
<p>FC722-ZZ</p>  <p>Fire control panel (2-loop) in housing (Standard)</p> <p>See FC722.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Mains voltage</td> <td>85... 265 VAC</td> </tr> <tr> <td>Operating voltage</td> <td>21... 28.6 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 2.5 A</td> </tr> <tr> <td>Power supply</td> <td>70 W</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V, 7... 12 Ah</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 398 x 160 mm</td> </tr> <tr> <td>Expansion</td> <td>FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module FTO2001-A1 Event printer</td> </tr> <tr> <td>Accessories</td> <td>DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module</td> </tr> </table>	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	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module FTO2001-A1 Event printer	Accessories	DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module	<p>S54400-C29-A5</p>
Mains voltage	85... 265 VAC																
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Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC722 Series




Type	Order No.
<p>FC722-YZ</p>  <p>Fire control panel (2-loop) in housing (Standard) with 1 LED indicator</p> <p>See FC722.. for technical overview and note the additional / other specifications:</p> <p>With 24 indicator groups, each with one red and one yellow LED.</p> <p>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</p> <p>Expansion</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module <p>Accessories</p> <ul style="list-style-type: none"> DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module 	<p>S54400-C29-A4</p>

Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC722 Series


Type	Order No.														
FC722-ZA	S54400-C29-A2														
	<p>Fire control panel (2-loop) in housing (Comfort)</p> <p>See FC722.. for technical overview and note the additional / other specifications:</p> <table border="0"> <tr> <td>Mains voltage</td> <td>230 VAC</td> </tr> <tr> <td>Operating voltage</td> <td>21... 28.4 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 5 A</td> </tr> <tr> <td>Power supply</td> <td>150 W</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V, 26 Ah</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 796 x 160 mm</td> </tr> <tr> <td>Expansion</td> <td>FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module</td> </tr> </table> <p>Accessories</p>	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	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module
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Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC722 Series




Type	Order No.
<p>FC722-ZE</p>  <p>Fire control panel (2-loop) in housing (Comfort) with 2 LED indicators</p> <p>See FC722.. for technical overview and note the additional / other specifications:</p> <p>With 48 indicator groups, each with one red and one yellow LED.</p> <p>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</p> <p>Expansion</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer <p>Accessories</p> <ul style="list-style-type: none"> DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module 	<p>S54400-C29-A1</p>

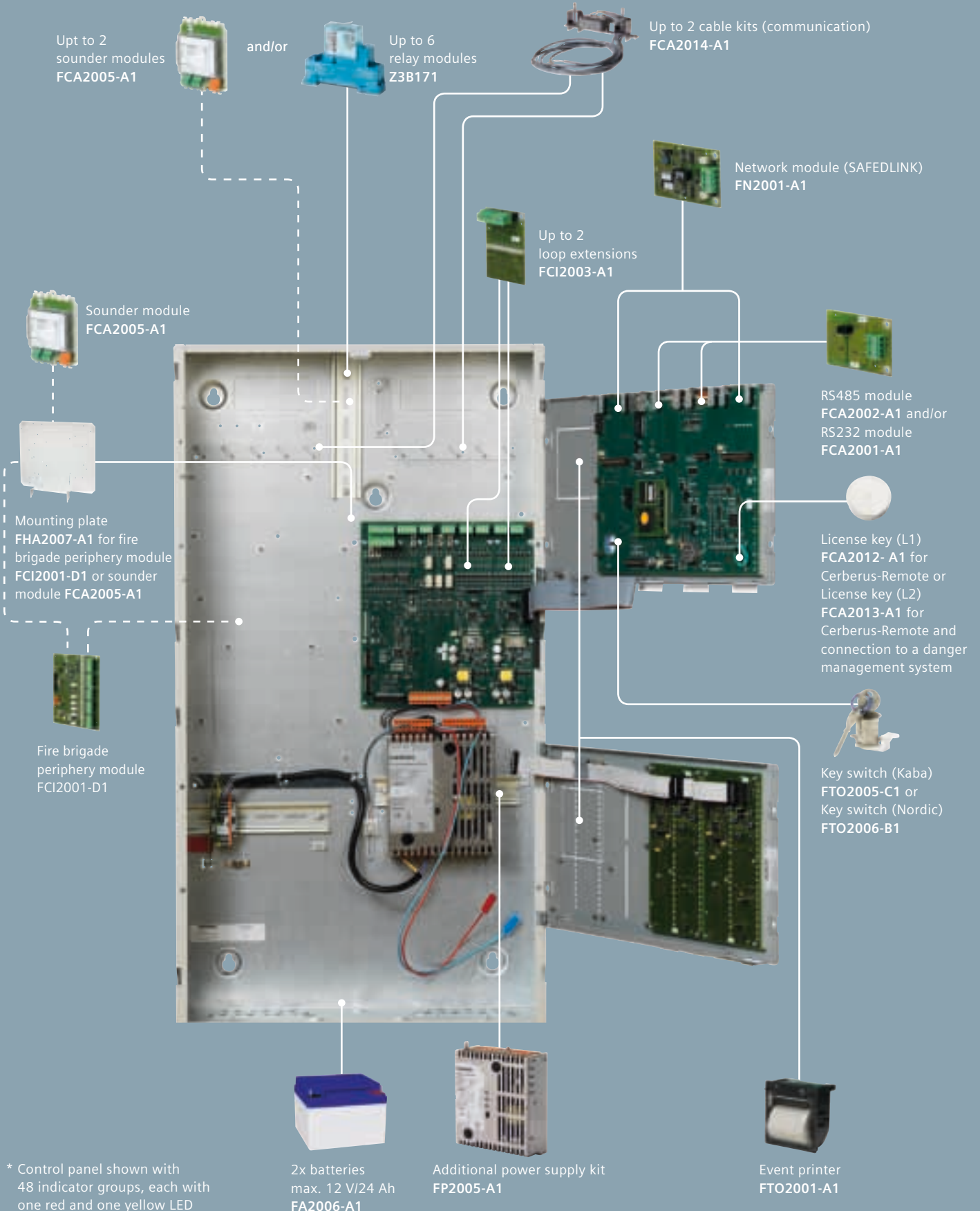
Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC722 Series

Type	Order No.														
FC722-HA	S54400-C29-A3														
	<p>Fire control panel (2-loop) in housing (Comfort) with EVAC operating unit</p> <p>See FC722.. for technical overview and note the additional / other specifications:</p> <p>With 10 evacuation operating zones for Netherlands.</p> <table border="0"> <tr> <td>Mains voltage</td> <td>230 VAC</td> </tr> <tr> <td>Operating voltage</td> <td>21... 28.4 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 5 A</td> </tr> <tr> <td>Power supply</td> <td>150 W</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V, 26 Ah</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 796 x 160 mm</td> </tr> <tr> <td>Expansion</td> <td>FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT Interface Set FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer DL3750+ Matrix printer (Extern)</td> </tr> </table> <p>Accessories</p> <p>FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module</p>	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	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT Interface Set FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer DL3750+ Matrix printer (Extern)
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Networkable addressable fire control panel FC724 Comfort*



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

Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC724 Series

Type	Order No.																																								
<p>FC724..</p> <p>Fire control panel (4-loop)</p> <p>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 32 fire control panels and fire terminals can be connected in a single cluster (C-WEB/SAFEDLINK network), or up to 16 panels when the cluster is connected to a danger management system. Using a fiber-optic backbone (C-WEB/LAN) up to 14 of these clusters with up to 16 panels each can be networked. This topology enables the construction of an EN 54-conform network with up to 64 fire control panels and fire terminals. All detector lines are monitored for ground faults.</p> <p>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.</p> <p>Detection and automatic read-in (auto configuration) of all C-NET devices, providing immediate simple operation.</p> <p>Stored data can be uploaded via Cerberus-Remote access.</p> <p>The FC724.. is ideally suited for large-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.</p> <table border="0"> <tr> <td>Detector compatibility</td> <td>Cerberus PRO FD720</td> </tr> <tr> <td>Number of addresses</td> <td>max. 504</td> </tr> <tr> <td>Number of detector lines</td> <td>4 (8) loops or 8 (16) stub lines</td> </tr> <tr> <td>Programmable input/output</td> <td>12</td> </tr> <tr> <td>Relay outputs</td> <td>1x RT alarm 1x RT fault</td> </tr> <tr> <td>Supervised output</td> <td>1x RT alarm 1x RT fault 2x Horn</td> </tr> <tr> <td>Mains voltage</td> <td>230 VAC</td> </tr> <tr> <td>Operating voltage</td> <td>21... 28.6 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 5 A</td> </tr> <tr> <td>Power supply</td> <td>150 W</td> </tr> <tr> <td>Emergency power supply</td> <td>up to 72 h (optional)</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V, 26 Ah</td> </tr> <tr> <td>Plug-in position</td> <td>2 -> for serial interfaces RS232, RS485 2 -> for network modules 2 -> for loop extension (C-NET)</td> </tr> <tr> <td>Operating temperature</td> <td>-8... +42 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Color housing/cover</td> <td>grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 796 x 160 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10207176</td> </tr> </table>	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	1x RT alarm 1x RT fault	Supervised output	1x RT alarm 1x RT fault 2x 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	<p>FC724..</p>
Detector compatibility	Cerberus PRO FD720																																								
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Number of detector lines	4 (8) loops or 8 (16) stub lines																																								
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Fire Control Network Participants
FC72x Networkable Fire Control Panels
FC724 Series




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	<ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer 	
	Accessories	<ul style="list-style-type: none"> DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module 	

Fire Control Network Participants


FC72x Networkable Fire Control Panels

FC724 Series

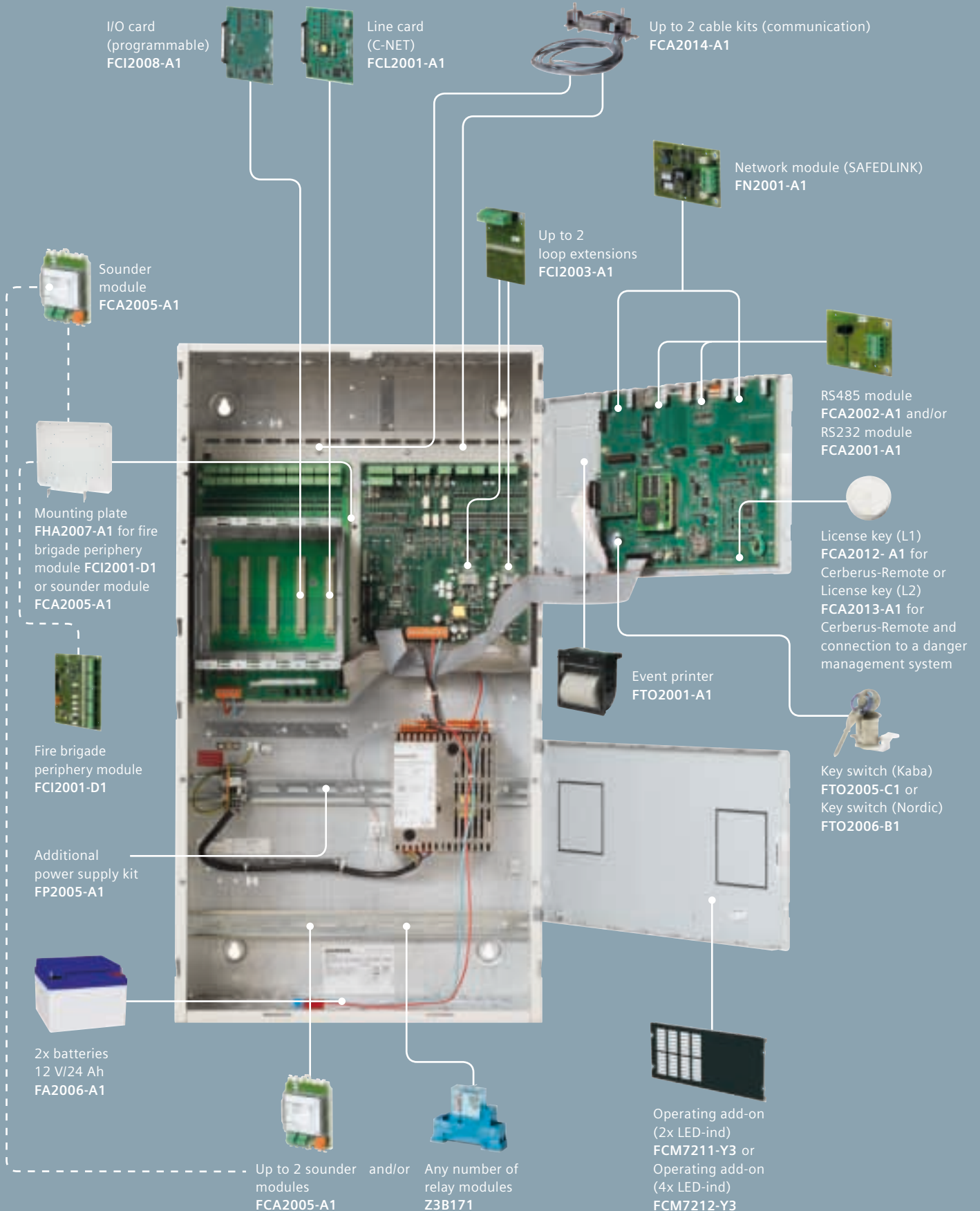
Type	Order No.
FC724-ZE	S54400-C30-A3
	<p>Fire control panel (4-loop) with 2 LED indicators</p> <p>See FC724.. for technical overview and note the additional / other specifications: With 48 indicator groups, each with one red and one yellow LED.</p> <p>Expansion</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) <p>Accessories</p> <ul style="list-style-type: none"> FTO2001-A1 Event printer DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module

Fire Control Network Participants
FC72x Networkable Fire Control Panels
FC724 Series



Type	Order No.
<p>FC724-HA</p>  <p>Fire control panel (4-loop) with EVAC operating unit</p> <p>See FC724.. for technical overview and note the additional / other specifications:</p> <p>With 10 evacuation operating zones for Netherlands.</p> <p>Expansion</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT Interface Set FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer <p>Accessories</p> <ul style="list-style-type: none"> DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module 	<p>S54400-C30-A1</p>

Networkable addressable modular fire control panel FC726



Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC726 Series




Type	Order No.																																										
<p>FC726..</p> <p>Fire control panel (modular)</p> <p>The FC726... (4-loop, expandable to 28 loops) is a modular fire control panel with an integrated operating unit that can process signals from Cerberus PRO devices of up to 1512 addresses. A card cage in the basic fire control panel equipment is used for installation of additional line cards (C-NET) or I/O cards. A mix of up to 5 cards max. is possible. Line and I/O cards can be exchanged without removing power from control panel.</p> <p>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 32 fire control panels and fire terminals can be connected in a single cluster (C-WEB/SAFEDLINK network), or up to 16 panels when the cluster is connected to a danger management system. Using a fiber-optic backbone (C-WEB/LAN) up to 14 of these clusters with up to 16 panels each can be networked. This topology enables the construction of an EN 54-conform network with up to 64 fire control panels and fire terminals. All detector lines are monitored for ground faults. Adaptation of the user text directly on the terminal or with the software 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 remote access. The FC726 is ideally suited for very large and complex buildings, e.g. office buildings, university campuses, etc. The FC726.. with flexible cross linking possibilities can also be used for extensive systems. The expansion and accessories must be ordered separately.</p> <table border="0"> <tr> <td>Detector compatibility</td> <td>Cerberus PRO FD 720</td> </tr> <tr> <td>Number of addresses</td> <td>max. 1512</td> </tr> <tr> <td>Number of detector lines</td> <td>Loop with loop extension -> 4 loops or 8 stub lines C-NET -> max. 20 (4 per line card)</td> </tr> <tr> <td>Programmable input/output</td> <td>max. 60 (12 per card)</td> </tr> <tr> <td>Relay outputs</td> <td>1 x RT alarm; 1 x RT fault</td> </tr> <tr> <td>Supervised output</td> <td>1 x RT alarm; 1 x RT fault 2 x Horn</td> </tr> <tr> <td>Mains voltage</td> <td>230 VAC</td> </tr> <tr> <td>Operating voltage</td> <td>21... 28.4 VDC</td> </tr> <tr> <td>Operating current</td> <td>Max. 5 A</td> </tr> <tr> <td>Power supply</td> <td>150 W</td> </tr> <tr> <td>Emergency power supply</td> <td>up to 72 h (optional)</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12, 45 Ah</td> </tr> <tr> <td>Plug-in position</td> <td>2 -> for serial interfaces RS232, RS4852 2 -> for network modules 1 -> for loop extension (C-NET) 5 -> for line or I/O cards (card cage)</td> </tr> <tr> <td>Operating temperature</td> <td>-8... +42 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Standard</td> <td>EN 54-2, EN 54-4</td> </tr> <tr> <td>Color housing/cover</td> <td>grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 796 x 260</td> </tr> <tr> <td>Data sheet</td> <td>A6V10263277</td> </tr> </table>	Detector compatibility	Cerberus PRO FD 720	Number of addresses	max. 1512	Number of detector lines	Loop with loop extension -> 4 loops or 8 stub lines C-NET -> max. 20 (4 per line card)	Programmable input/output	max. 60 (12 per card)	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... 28.4 VDC	Operating current	Max. 5 A	Power supply	150 W	Emergency power supply	up to 72 h (optional)	Battery capacity	2 x 12, 45 Ah	Plug-in position	2 -> for serial interfaces RS232, RS4852 2 -> for network modules 1 -> for loop extension (C-NET) 5 -> for line or I/O cards (card cage)	Operating temperature	-8... +42 °C	Storage temperature	-20... +60 °C	Relative humidity	≤95 % (no condensation)	Protection category	IP30	Standard	EN 54-2, EN 54-4	Color housing/cover	grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	Cabinet dimensions (W x H x D)	430 x 796 x 260	Data sheet	A6V10263277	<p>FC726..</p>
Detector compatibility	Cerberus PRO FD 720																																										
Number of addresses	max. 1512																																										
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Cabinet dimensions (W x H x D)	430 x 796 x 260																																										
Data sheet	A6V10263277																																										

Fire Control Network Participants

FC72x Networkable Fire Control Panels

FC726 Series

Type	Order No.
FC726-ZA	S54400-C87-A1
	<p>Fire control panel (modular)</p> <p>See FC726.. for technical overview and note the additional / other specifications:</p> <p>Expansion</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit FCI2003-A1 Loop extension (FDnet/C-NET) FCI2008-A1 I/O card (programmable) FCL2001-A1 Line card (FDnet/C-NET) FH7204-Z3 Housing (Large Extension) FH7205-Z3 Housing (Large) FHA2007-A1 Mounting plate FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module <p>Accessories</p> <ul style="list-style-type: none"> FTO2001-A1 Event printer DL3750+ Matrix printer FCA2014-A1 Cable kit (communication) FHA2015-A1 Flush mounting bezel two HU FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) Z3B171 Relay module

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x




Type		Order No.						
FCI2003-A1	<p>Loop extension (FDnet/C-NET)</p> <p>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).</p> <table border="0"> <tr> <td>Number of detector lines</td> <td>2 loops or 4 stub lines</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm²</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>48 x 20 x 70 mm</td> </tr> </table>	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	A5Q00010136
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							
FCL2001-A1	<p>Line card (FDnet/C-NET)</p> <p>The line card is an additional card for integrated FDnet/C-NET lines, mounted in card cage (5 slots) of FC2060 or FC726 fire control panel. It is used to expand FC2060/FC726 with additional FDnet/C-NET lines. All FDnet or C-NET devices can be connected to the line card. The line card is designed for 4 loops or 8 stub lines.</p> <table border="0"> <tr> <td>Number of detector lines</td> <td>4 loops or 8 stub lines</td> </tr> <tr> <td>Number of addresses</td> <td>max. 252</td> </tr> <tr> <td>Input current</td> <td>max. 0.8 A</td> </tr> </table>	Number of detector lines	4 loops or 8 stub lines	Number of addresses	max. 252	Input current	max. 0.8 A	A5Q00009875
Number of detector lines	4 loops or 8 stub lines							
Number of addresses	max. 252							
Input current	max. 0.8 A							
FCI2008-A1	<p>I/O card (programmable)</p> <p>The I/O card is an additional card with programmable inputs and outputs for expansion of the integrated inputs and outputs. The card is mounted in the card cage (5 slots) of the fire control panel FC2060/FC726.</p> <table border="0"> <tr> <td>Input current</td> <td>max. 2 A</td> </tr> </table>	Input current	max. 2 A	S54400-A6-A1				
Input current	max. 2 A							
FCA2012-A1	<p>License key (L1)</p> <p>iButton with license for: Sinteso™ -> SintesoView Cerberus® PRO -> Cerberus-Remote Only one license key is required per station.</p>	A5Q00018856						
FCA2013-A1	<p>License key (L2)</p> <p>iButton with license for: Sinteso -> SintesoView and BACnet Cerberus PRO -> Cerberus-Remote and BACnet Only one license key is required per station.</p>	A5Q00018857						

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x

Type	Order No.																
<p>FTO2001-A1</p>  <p>Event printer</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>9... 48 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>50 mA</td> </tr> <tr> <td>Operating current</td> <td>3 A @ 9VDC 0.7 A @ 48VDC</td> </tr> <tr> <td>Interface</td> <td>RS232 serial</td> </tr> <tr> <td>Operating temperature</td> <td>0... +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +70 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 55 mm</td> </tr> </table>	Operating voltage	9... 48 VDC	Quiescent current	50 mA	Operating current	3 A @ 9VDC 0.7 A @ 48VDC	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	A5Q00010126
Operating voltage	9... 48 VDC																
Quiescent current	50 mA																
Operating current	3 A @ 9VDC 0.7 A @ 48VDC																
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																
<p>FHA2007-A1</p>  <p>Mounting plate</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>221 x 241 x 46 mm</td> </tr> </table>	Dimensions (W x H x D)	221 x 241 x 46 mm	A5Q00010151														
Dimensions (W x H x D)	221 x 241 x 46 mm																
<p>FCI2001-D1</p>  <p>Fire brigade periphery module</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>21... 28.6 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 1.6 A</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm² / 0.5... 2.5 mm²</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>150 x 190 x 40 mm</td> </tr> </table>	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	A5Q00013100								
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																
<p>FCI2005-N1</p>  <p>RT Interface Set</p> <p>For fire department periphery devices (for Netherlands). Mounted in the housing on the mounting plate FHA2007-A1.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>20... 30 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 20 mA</td> </tr> <tr> <td>Cable capacity</td> <td>0.4... 1.5 mm² / 0.2... 2.5 mm²</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>190 x 150 x 36 mm</td> </tr> </table>	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	A5Q00026302								
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																

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x



Type	Order No.																		
<p>FCA2005-A1</p>  <p>Sounder module</p> <p>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.</p> <p>The sounder module can be mounted onto the mounting plate FHA2007-A1 or onto the U-rail TS35 with the enclosed mounting feet.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>21... 28.6 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>20 mA</td> </tr> <tr> <td>Operating current</td> <td>max. 2 A (fused with 2 AT)</td> </tr> <tr> <td>Supervised output</td> <td>4 x 1 A</td> </tr> <tr> <td>Cable capacity</td> <td>0.08... 1.5 mm²</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color housing/cover</td> <td>white, ~RAL 9010/transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>132 x 90 x 24 mm</td> </tr> </table> <p>Accessories</p>	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	<p>A5Q00014866</p>
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																		
<p>TS35_122</p>  <p>U-rail TS35/7.5/122</p> <p>Universal mounting rail (U-rail) enables mounting of various equipment.</p> <table border="0"> <tr> <td>Dimensions (W x H)</td> <td>35 x 122 mm</td> </tr> </table>	Dimensions (W x H)	35 x 122 mm	<p>BPZ:5644780001</p>																
Dimensions (W x H)	35 x 122 mm																		
<p>TS35_288</p>  <p>U-rail TS35/7.5/288</p> <p>Universal mounting rail (U-rail) enables mounting of various equipment.</p> <table border="0"> <tr> <td>Dimensions (W x H)</td> <td>35 x 288 mm</td> </tr> </table>	Dimensions (W x H)	35 x 288 mm	<p>BPZ:5644230001</p>																
Dimensions (W x H)	35 x 288 mm																		
<p>FDCH221</p>  <p>Housing for input/output modules</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>207 x 119 x 48 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010 / transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP65</td> </tr> <tr> <td>Accessories</td> <td>A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20</td> </tr> </table>	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	<p>S54312-F3-A1</p>										
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																		
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <table border="0"> <tr> <td>Delivery unit</td> <td>10 pieces</td> </tr> </table>	Delivery unit	10 pieces	<p>A5Q00004478</p>																
Delivery unit	10 pieces																		

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x



Type		Order No.
A5Q00004479	<p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p> 	A5Q00004479
FCA2001-A1	<p>RS232 module (isolated)</p> <p>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.</p> <p>Cable capacity 0.2... 1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm</p> 	A5Q00005327
FCA2002-A1	<p>RS485 module (isolated)</p> <p>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.</p> <p>Cable capacity 0.2...1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm</p> 	A5Q00009923
FH7201-Z3	<p>Housing (Eco)</p> <p>Empty housing for open use, e.g. power supply kit with batteries, operating add-on, event printer or mimic display.</p> <p>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 Event printer FCM7211-Y3 Operating add-on (2xLED-in-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W)</p> 	S54400-B72-A1

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x






Type	Order No.
<p>FH7202-Z3</p>  <p>Housing (Standard)</p> <p>Empty housing for open use, e.g. power supply kit with batteries, operating add-on or for the event printer.</p> <p>Cabinet dimensions (W x H x D) 430 x 398 x 160 mm</p> <p>Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</p> <p>Protection category IP30</p> <p>Integral battery space 2 x FA2003-A1 (7 Ah) or 2 x FA2004-A1 (12 Ah) or 2 x FA2006-A1 (26 Ah)</p> <p>Expansion FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B)</p>	<p>S54400-B70-A1</p>
<p>FH7203-Z3</p>  <p>Housing (Comfort)</p> <p>Empty housing for open application, e.g. power supply kit with batteries, for operating add-on or for the event printer.</p> <p>Cabinet dimensions (W x H x D) 430 x 398 x 260 mm</p> <p>Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</p> <p>Protection category IP30</p> <p>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)</p> <p>Expansion FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED ind.) FCM7212-Y3 Operating add-on (4xLED ind.) FP2003-A1 Power supply kit (70 W) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B)</p>	<p>S54400-B71-A1</p>

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x

Type	Order No.
<p>FH7203-Z3</p>  <p>Housing (Large Extension)</p> <p>Empty housing for open application, e.g. additional batteries, for operating add-ons or for the event printer.</p> <p>Cabinet dimensions (W x H x D)</p> <p>Color housing/cover grey, ~RAL 7035/grey, ~RAL 050 0000</p> <p>Protection category IP30</p> <p>Integral battery space 2 x FA2007-A1 (45 Ah) or 2 x FA2008-A1 (65 Ah) or 2 x FA2009-A1 (100 Ah)</p> <p>Expansion</p> <p>FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED ind.) FCM7212-Y3 Operating add-on (4xLED ind.) FP2003-A1 Power supply kit (70 W) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B)</p>	S54400-B89-A1
<p>FH7205-Z3</p>  <p>Housing (Large)</p> <p>Empty housing for open application, e.g. additional batteries, for operating add-ons or for the event printer.</p> <p>Cabinet dimensions (W x H x D) 430 x 796 x 260 mm</p> <p>Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</p> <p>Protection category IP30</p> <p>Integral battery space 4 x FA2006-A1 (26 Ah) or 4 x FA2007-A1 (45 Ah) or 2 x FA2008-A1 (65 Ah) or 2 x FA2009-A1 (100 Ah)</p> <p>Expansion</p> <p>FTO2001-A1 Event printer FCM7211-Y3 Operating add-on (2xLED ind.) FCM7212-Y3 Operating add-on (4xLED ind.) FP2003-A1 Power supply kit (70 W) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B)</p>	S54400-B86-A1
<p>FCM7211-Y3</p>  <p>Operating add-on (2xLED ind.)</p> <p>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.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm</p>	S54400-F75-A1

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x



Type		Order No.
FCM7212-Y3	<p>Operating add-on (4xLED ind.)</p> <p>To update 96 LED display groups, with one red and one yellow LED each. Can be inserted in all empty housings. Inclusive cables and screws for installation.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm</p>	S54400-F88-A1
FCM7221-H3	<p>Operating add-on (2xEVAC)</p> <p>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.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm Data sheet A6V10223093</p>	S54400-F78-A1
FTI2002-N1	<p>EVAC-NL connector board</p> <p>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.</p> <p>Supply voltage 20... 32 VDC Operating current max. 190 mA @ 21 VDC Cable capacity 0.5... 1.5 mm² Dimensions (W x H x D) 121 x 130 x 32 mm Data sheet A6V10223093</p>	S54400-A15-A1
FT2003-N1	<p>Mimic display driver (EVAC)</p> <p>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 be provided by the customer. The RS485 module must be ordered separately and mounted in the control panel.</p> <p>Supply voltage 20... 32 VDC Operating current max. 190 mA @ 21 VDC Cable capacity 0.5... 1.5 mm² Dimensions (W x H x D) 121 x 206 x 47 mm Data sheet A6V10223093</p>	S54400-A14-A1

Fire Control Network Participants

FC72x Networkable Fire Control Panels

Expansion FC72x

Type	Order No.
<p>FP2003-A1</p>  <p>Power supply kit (70 W)</p> <p>Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.</p> <p>Supply voltage AC 85... 265 V Power consumption max. 90 VA Current 0.5... 1 A Dimensions (W x H x D) 95 x 170 x 54 mm</p>	A5Q00016005
<p>FP2004-A1</p>  <p>Power supply kit (150 W, A)</p> <p>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.</p> <p>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</p>	A5Q00020825
<p>FP2005-A1</p>  <p>Power supply kit (150 W, B)</p> <p>Power supply kit (150 W, B) as auxiliary power supply for cascading. Converts mains voltage to system voltage. Monitors mains voltage and batteries.</p> <p>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</p>	A5Q00018779

Fire Control Network Participants
FC72x Networkable Fire Control Panels
Network Components Cluster (C-WEB/SAFEDLINK)







Type	Order No.
<p>FN2001-A1</p> 	<p>A5Q00012851</p>
<p>Network module (SAFEDLINK)</p> <p>To network multiple stations in the FCnet/C-WEB cluster. Up to 32 panels can be networked. Plugged into the back side of the operating unit.</p> <p>Cable capacity 0.2... 1.5 mm² Dimensions (W x H x D) 50 x 20 x 70 mm</p>	
<p>FN2002-A1</p> 	<p>S24236-B2502-A1</p>
<p>Repeater (SAFEDLINK)</p> <p>The module is a repeater in the FCnet/C-WEB cluster. 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 up to 1000 m.</p> <p>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.</p> <p>Communication protocol SAFEDLINK (UDP/IP) Operating voltage 9... 30 VDC Operating current max. 45 mA Cable capacity 0.08... 1.5 mm² Relative humidity ≤95 % Color housing/cover white, ~RAL 9010/transparent matt Protection category IP30 IP65 with aux. housing FDCH221</p> <p>Dimensions (W x H x D) 132 x 90 x 24 mm Accessories TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</p>	

Fire Control Network Participants
FC72x Networkable Fire Control Panels
Network Components Backbone (C-WEB/LAN)





Type	Order No.	
<p>FN2008-A1</p> 	<p>Ethernet switch</p> <p>The Ethernet switch connects individual clusters via the Ethernet backbone. A second switch can be added if a cluster has more than 512 detectors. With a mounting kit (FHA2029-A1 or FHA2030-A1), the Ethernet switch can be easily integrated into panels or additional housings.</p>	<p>S54400-F94-A1</p>
<p>FN2009-A1</p> 	<p>Security module</p> <p>Protects devices and networks in automation and industrial communication with a combination of different security measures such as fire-wall and VPN (Virtual Private Network) via IPsec tunnel. The security module can be easily integrated into a panel with a mounting kit (FHA2029-A1 or FHA2030-A1).</p>	<p>S54400-F95-A1</p>
<p>FHA2029-A1</p> 	<p>Mounting kit for Ethernet switch (Comfort)</p>	<p>S54400-B79-A1</p>
<p>FHA2030-A1</p> 	<p>Mounting kit for Ethernet switch (Large Extension)</p>	<p>S54400-B81-A1</p>

Fire Control Network Participants
FC72x Networkable Fire Control Panels
Accessories FC72x



Type	Order No.
<p>FTO2005-C1</p>  <p>Key switch (Kaba) Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).</p>	A5Q00010113
<p>FTO2006-B1</p>  <p>Key switch (Nordic) Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).</p>	A5Q00010129
<p>Z3B171</p>  <p>Relay module with 1 contact The relay module is an additional fire event control module, activated by the fire control panel's control output.</p> <p>Contact rating 250 VAC / 10 A Delivery unit 10 pieces</p>	BPZ:4843830001
<p>FHA2015-A1</p>  <p>Flush mounting bezel two HU Optimal bezel for flush mounting installation for all fire control panels and operating terminals</p> <p>Color white, ~RAL 9010 Dimensions (W x H) 530 x 886 mm</p>	A5Q00024621

Fire Control Network Participants
FC72x Networkable Fire Control Panels
Accessories FC72x



Type		Order No.
<p>FHA2016-A1</p> 	<p>19" mounting kit</p> <p>To install fire control panels and fire terminals in a 19" third-party housing.</p> <p>Dimensions (W x H x D) 430 x 100 x 324 mm</p>	<p>A5Q00020179</p>
<p>FHA2017-A1</p> 	<p>Flush mounting bezel one HU</p> <p>Optimal bezel for flush mounting installation for all fire control panels and operating terminals</p> <p>Color white, ~RAL 9010</p> <p>Dimensions (W x H) 530 x 500 mm</p>	<p>A5Q00024719</p>
<p>FCA2014-A1</p> 	<p>Cable kit (communication)</p> <p>For flexible cable connections to the modules on the PMI-& main board.</p>	<p>A5Q00023027</p>
<p>DL3750+</p> 	<p>Matrix printer external</p> <p>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.</p> <p>The RS232 module FCA2001-A1 is required to operate the printer and must be ordered separately.</p> <p>Number of copies 5 incl. original</p> <p>Character set 6</p> <p>Resolution 360 x 360 dpi</p> <p>Interface RS232 or Ethernet (via Print-Server PS01 a)</p> <p>Operating temperature +5... +38 °C</p> <p>Storage temperature -15... +60 °C</p> <p>Relative humidity ≤95 % (no condensation)</p> <p>Dimensions (W x H x D) 415 x 120 x 330 mm</p>	<p>A5Q00023962</p>

Fire Control Network Participants
FT724 Networkable Fire Operating Terminals
FT724 Operating Terminal to FC72x



Type	Order No.																										
<p>FT724..</p> <p>Fire terminal</p> <p>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. Up to 32 fire control panels and fire terminals can be connected in a single cluster (C-WEB/SAFEDLINK network), or up to 16 panels when the cluster is connected to a danger management system. Using a fiber-optic backbone (C-WEB/LAN) up to 14 of these clusters with up to 16 panels each can be networked. This topology enables the construction of an EN 54-conform network with up to 64 fire control panels and fire terminals.</p> <p>The optional power supply i.e. power supply kit (70 W) and batteries 2 x 12 V / 7 Ah must be ordered separately.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>21... 28.6 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>125 mA</td> </tr> <tr> <td>Alarm current</td> <td>130 mA</td> </tr> <tr> <td>Power supply</td> <td>70 W (optional)</td> </tr> <tr> <td>Battery capacity</td> <td>max. 2 x 12 V / 7 Ah (optional)</td> </tr> <tr> <td>Plug-in position</td> <td>2 -> for serial interfaces RS232, RS485 2 -> for network modules</td> </tr> <tr> <td>Operating temperature</td> <td>-8... +42 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Color housing/cover</td> <td>grey, ~RAL 7035/grey, ~RAL-Design 050 00 00</td> </tr> <tr> <td>Cabinet dimensions (W x H x D)</td> <td>430 x 398 x 80 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10207898</td> </tr> </table>	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	<p>FT724..</p>
Operating voltage	21... 28.6 VDC																										
Quiescent current	125 mA																										
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Data sheet	A6V10207898																										

Fire Control Network Participants
FT724 Networkable Fire Operating Terminals
FT724 Operating Terminal to FC72x

Type		Order No.
FT724-ZZ 	<p>Fire terminal</p> <p>See FT724.. for technical overview and note the additional / other specifications:</p> <p>Expansion</p> <p>Accessories</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FH7201-Z3 Housing (Eco) FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2003-A1 Power supply kit (70 W) FTO2001-A1 Event printer DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) 	S54400-C31-A2
FT724-HZ 	<p>Fire terminal with EVAC operating unit</p> <p>See FT724.. for technical overview and note the additional / other specifications:</p> <p>With 10 evacuation operating zones for Netherlands.</p> <p>Expansion</p> <p>Accessories</p> <ul style="list-style-type: none"> FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FH7201-Z3 Housing (Eco) FHA2029-A1 Mounting kit for Ethernet switch (Comfort) FHA2030-A1 Mounting kit for Ethernet switch (Large Ext.) FN2001-A1 Network module (SAFEDLINK) FN2008-A1 Ethernet module FN2009-A1 Security module FP2003-A1 Power supply kit (70 W) DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communication) FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel one HU FTO2005-C1 Key switch (Kaba) FTO2006-B1 Key switch (Nordic) 	S54400-C31-A1

Fire Control Network Participants

FT724 Networkable Fire Operating Terminals

Expansion FT724


Type	Order No.
<p>FP2003-A1</p>  <p>Power supply kit (70 W)</p> <p>Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.</p> <p>Supply voltage AC 85... 265 V Power consumption max. 90 VA Current 0.5... 1 A Dimensions (W x H x D) 95 x 170 x 54 mm</p>	A5Q00016005
<p>FH7201-Z3</p>  <p>Housing (Eco)</p> <p>Empty housing for open use, e.g. power supply kit with batteries, operating add-on, event printer or mimic display.</p> <p>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) Expansion Event printer FCM7211-Y3 Operating add-on (2xLED-in-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W)</p>	S54400-B72-A1
<p>FCM7211-Y3</p>  <p>Operating add-on (2xLED ind.)</p> <p>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.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm</p>	S54400-F75-A1
<p>FCM7212-Y3</p>  <p>Operating add-on (4xLED ind.)</p> <p>To update 96 LED display groups, with one red and one yellow LED each. Can be inserted in all empty housings. Inclusive cables and screws for installation.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm</p>	S54400-F88-A1

Fire Control Network Participants

FT724 Networkable Fire Operating Terminals

Expansion FT724








Type	Order No.
FTO2001-A1	A5Q00010126
	
Event printer	
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 @ 9VDC 0.7 A @ 48VDC
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

Fire Control Network Participants


FT724 Networkable Fire Operating Terminals

Accessories FT724

Type		Order No.
FTO2005-C1	<p>Key switch (Kaba)</p> <p>Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).</p> 	A5Q00010113
FTO2006-B1	<p>Key switch (Nordic)</p> <p>Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).</p> 	A5Q00010129
FHA2016-A1	<p>19" mounting kit</p> <p>To install fire control panels and fire terminals in a 19" third-party housing.</p> <p>Dimensions (W x H x D) 430 x 100 x 324 mm</p> 	A5Q00020179
FHA2017-A1	<p>Flush mounting bezel one HU</p> <p>Optimal bezel for flush mounting installation for all fire control panels and operating terminals</p> <p>Color white, ~RAL 9010</p> <p>Dimensions (W x H) 530 x 500 mm</p> 	A5Q00024719
FCA2014-A1	<p>Cable kit (communication)</p> <p>For flexible cable connections to the modules on the PMI- & main board.</p> 	A5Q00023027

Fire Control Network Participants
FT724 Networkable Fire Operating Terminals
Accessories FT724



Type	Order No.																
<p>DL3750+</p>  <p>Matrix printer external</p> <p>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.</p> <p>The RS232 module FCA2001-A1 is required to operate the printer and must be ordered separately.</p> <table border="0"> <tr> <td>Number of copies</td> <td>5 incl. original</td> </tr> <tr> <td>Character set</td> <td>6</td> </tr> <tr> <td>Resolution</td> <td>360 x 360 dpi</td> </tr> <tr> <td>Interface</td> <td>RS232 or Ethernet (via Print-Server PS01a)</td> </tr> <tr> <td>Operating temperature</td> <td>+5... +38 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-15... +60 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>415 x 120 x 330 mm</td> </tr> </table>	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	<p>A5Q00023962</p>
Number of copies	5 incl. original																
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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.														
<p>GEN2..</p>  <p>Fire control panel for connection to 12 VDC supply</p> <p>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.</p> <p>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.</p> <table border="0"> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 VDC / 1 A</td> </tr> <tr> <td>Fault relay output (NO/NC)</td> <td>30 VDC / 1 A</td> </tr> <tr> <td>Power supply</td> <td>11... 14 VDC / <200 mA</td> </tr> <tr> <td>Output line voltage (stand-by)</td> <td>17.5... 24 VDC</td> </tr> <tr> <td>Stand-by current</td> <td>35... 45 mA</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>134 x 85 x 27 mm</td> </tr> <tr> <td>Data sheet</td> <td>009159</td> </tr> </table>	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	<p>GEN2..</p>
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														
<p>GEN2-en</p> <p>Fire control panel for connection to 12 VDC supply</p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>English language printed on the product.</p>	<p>BPZ:9300110001</p>														
<p>GEN2-de</p> <p>Fire control panel for connection to 12 VDC supply</p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>German language printed on the product.</p>	<p>BPZ:9300150001</p>														
<p>GEN2-it</p> <p>Fire control panel for connection to 12 VDC supply</p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>Italian language printed on the product.</p>	<p>BPZ:9300120001</p>														
<p>GEN2-se</p> <p>Fire control panel for connection to 12 VDC supply</p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>Swedish language printed on the product.</p>	<p>BPZ:9300130001</p>														
<p>GEN2-fr</p> <p>Fire control panel for connection to 12 VDC supply</p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>French language printed on the product.</p>	<p>BPZ:9300180001</p>														
<p>GEN2-nl</p> <p>Fire control panel for connection to 12 VDC supply</p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>Dutch language printed on the product.</p>	<p>BPZ:9300190001</p>														

Conventional Fire Control Panels

1-zone Panels

Genesis Series

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





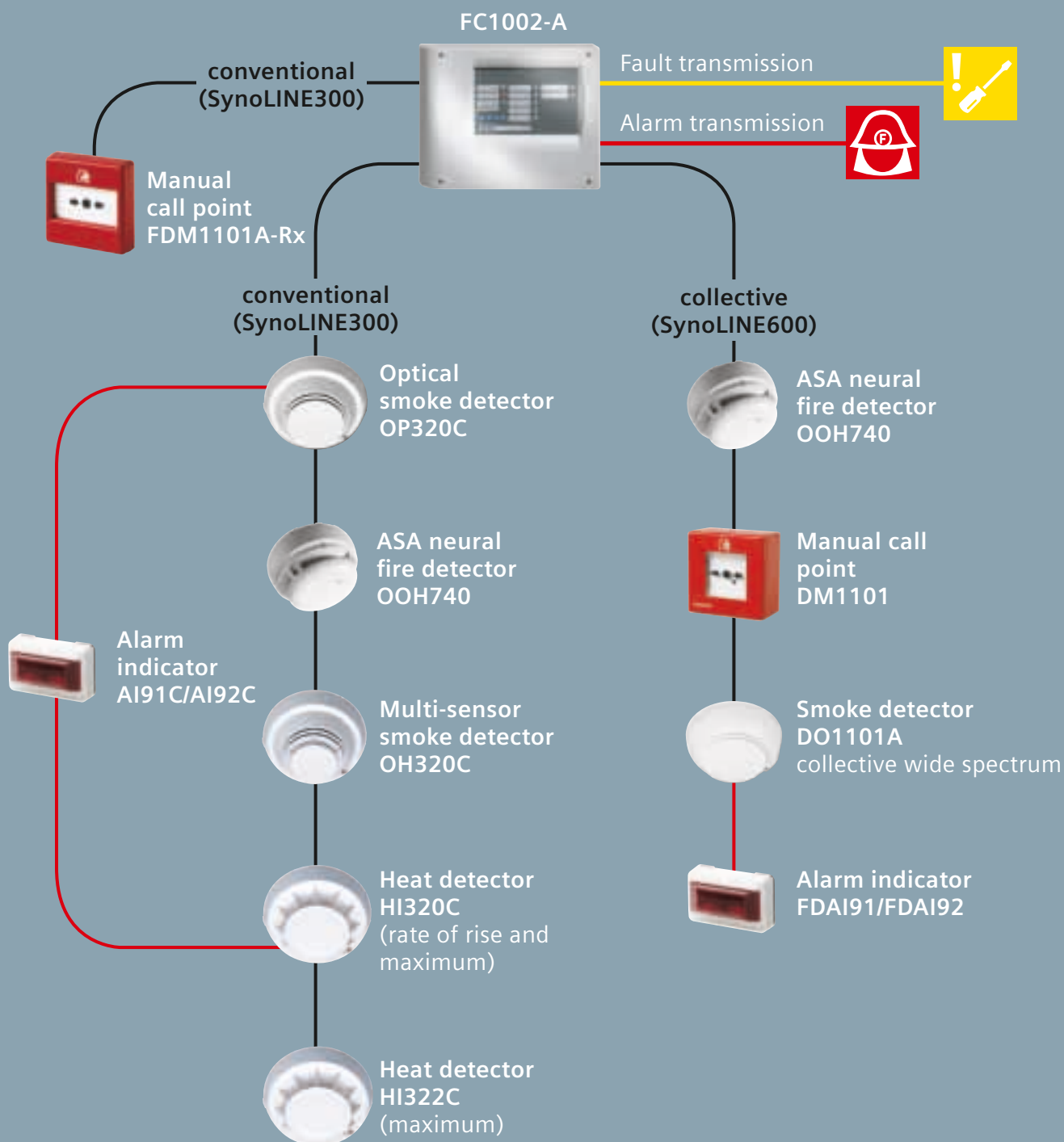
FC10 fire control panel – for easy control

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



Conventional Fire Control Panels
2-zone Panels
FC10 Series





Type	Order No.																														
<p>FC1002..</p>  <p>2-zone conventional unit</p> <p>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 AlgoRex collective or Synova conventional. This allows connection to Cerberus PRO OOH740, 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.</p> <table border="0"> <tr><td>Conventional line</td><td>2</td></tr> <tr><td>Transmission output contact</td><td>2 x 30 VDC</td></tr> <tr><td>Supervised output</td><td>2 x 24 VDC</td></tr> <tr><td>Control output</td><td>5 x 24 VDC</td></tr> <tr><td>Control input</td><td>3</td></tr> <tr><td>Mains voltage</td><td>115... 230 VAC / 0.7 A +10 %... -15 % 50/60 Hz</td></tr> <tr><td>Power consumption</td><td>13... 25 VA</td></tr> <tr><td>Quiescent current</td><td>80 mA</td></tr> <tr><td>Battery capacity</td><td>2 x 12 V / 7.2 Ah</td></tr> <tr><td>Standard</td><td>EN 54-2, EN 54-4</td></tr> <tr><td>Dimensions (W x H x D)</td><td>370 x 286 x 90 mm</td></tr> <tr><td>Case protection category</td><td>IP40</td></tr> <tr><td>Color</td><td>white, ~RAL 9003</td></tr> <tr><td>Data sheet</td><td>A6V10277145</td></tr> <tr><td>Accessories</td><td>Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder</td></tr> </table>	Conventional line	2	Transmission output contact	2 x 30 VDC	Supervised output	2 x 24 VDC	Control output	5 x 24 VDC	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	EN 54-2, EN 54-4	Dimensions (W x H x D)	370 x 286 x 90 mm	Case protection category	IP40	Color	white, ~RAL 9003	Data sheet	A6V10277145	Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder	<p>FC1002..</p>
Conventional line	2																														
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Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder																														
<p>FC1002-A</p> <p>2-zone conventional unit (Standard)</p> <p>See FC1002.. for technical overview and note the additional / other specifications:</p> <p>Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.</p>	<p>S54380-C2-A1</p>																														
<p>FC1002-B</p> <p>2-zone conventional unit (Head removal monitoring)</p> <p>See FC1002.. for technical overview and note the additional / other specifications:</p> <p>Special line monitoring for removal of a detector. Inscription stripes in English are enclosed.</p>	<p>S54380-C2-A10</p>																														
<p>FC1002-C</p> <p>2-zone conventional unit (Nordic)</p> <p>See FC1002.. for technical overview and note the additional / other specifications:</p> <p>Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.</p>	<p>S54380-C2-A20</p>																														

Conventional Fire Control Panels


2-zone Panels

Accessories FC1002

Type		Order No.
Z3B171	 <p>Relay module with 1 contact</p> <p>The relay module is an additional fire event control module, activated by the fire control panel's control output.</p> <p>Contact rating 250 VAC / 10 A Delivery unit 10 pieces</p>	BPZ:4843830001
FCA1007	 <p>Key switch kit</p> <p>To provide operating access via key switch instead of password.</p>	A6E60500026
FCA1016	<p>Battery holder</p> <p>Battery holder for 7 Ah batteries</p>	S54400-B90-A1

Conventional Fire Control Panels
4-zone Panels
FC10 Series





Type	Order No.																														
<p>FC1004..</p>  <p>4-zone conventional unit</p> <p>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 Cerberus PRO OOH740, 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.</p> <table border="0"> <tr><td>Conventional line</td><td>4</td></tr> <tr><td>Transmission output contact</td><td>2 x 30 VDC</td></tr> <tr><td>Supervised output</td><td>2 x 24 VDC</td></tr> <tr><td>Control output</td><td>7 x 24 VDC</td></tr> <tr><td>Control input</td><td>3</td></tr> <tr><td>Mains voltage</td><td>115... 230 VAC / 0.7 A +10 %... -15 % 50/60 Hz</td></tr> <tr><td>Power consumption</td><td>13... 25 VA</td></tr> <tr><td>Quiescent current</td><td>90 mA</td></tr> <tr><td>Battery capacity</td><td>2 x 12 V / 7.2 Ah</td></tr> <tr><td>Standard</td><td>EN 54-2, EN 54-4</td></tr> <tr><td>Dimensions (W x H x D)</td><td>370 x 286 x 90 mm</td></tr> <tr><td>Case protection category</td><td>IP40</td></tr> <tr><td>Color</td><td>white, ~RAL 9003</td></tr> <tr><td>Data sheet</td><td>A6V10277145</td></tr> <tr><td>Accessories</td><td>Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder</td></tr> </table>	Conventional line	4	Transmission output contact	2 x 30 VDC	Supervised output	2 x 24 VDC	Control output	7 x 24 VDC	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	EN 54-2, EN 54-4	Dimensions (W x H x D)	370 x 286 x 90 mm	Case protection category	IP40	Color	white, ~RAL 9003	Data sheet	A6V10277145	Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder	<p>FC1004..</p>
Conventional line	4																														
Transmission output contact	2 x 30 VDC																														
Supervised output	2 x 24 VDC																														
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Data sheet	A6V10277145																														
Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder																														
<p>FC1004-A</p> <p>4-zone conventional unit (Standard)</p> <p>See FC1004.. for technical overview and note the additional / other specifications:</p> <p>Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.</p>	<p>S54380-C3-A1</p>																														
<p>FC1004-B</p> <p>4-zone conventional unit (Head removal monitoring)</p> <p>See FC1004.. for technical overview and note the additional / other specifications:</p> <p>Special line monitoring for removal of a detector. Inscription stripes in English are enclosed.</p>	<p>S54380-C3-A10</p>																														
<p>FC1004-C</p> <p>4-zone conventional unit (Nordic)</p> <p>See FC1004.. for technical overview and note the additional / other specifications:</p> <p>Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.</p>	<p>S54380-C3-A20</p>																														
<p>FC1004-E</p> <p>4-zone conventional unit (NL)</p> <p>See FC1004.. for technical overview and note the additional / other specifications:</p> <p>Additional evacuation functions according to NEN2575. Inscription stripes in Dutch are enclosed.</p>	<p>S54380-C3-A30</p>																														


Conventional Fire Control Panels

4-zone Panels

Accessories FC1004

Type		Order No.
Z3B171	Relay module with 1 contact 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	BPZ:4843830001
FCA1007	Key switch kit To provide operating access via key switch instead of password. 	A6E60500026
FCA1016	Battery holder Battery holder for 7 Ah batteries	S54400-B90-A1



Type	Order No.																												
<p>FC1008..</p>  <p>8-zone conventional unit</p> <p>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 Algor Rex collective or Synova conventional. This allows connection to Cerberus PRO OOH740, Sinteso FDOOT241-9 (collective mode), Algor Rex DS11 (collective) and Synova conventional detectors. Furthermore this includes special detectors as FDF2x1-9 flame detectors, FDL241-9 linear smoke detector.</p> <table border="0"> <tr><td>Conventional line</td><td>8</td></tr> <tr><td>Transmission output contact</td><td>2 x 30 VDC</td></tr> <tr><td>Supervised output</td><td>2 x 24 VDC</td></tr> <tr><td>Control output</td><td>14 x 24 VDC</td></tr> <tr><td>Control input</td><td>6</td></tr> <tr><td>Mains voltage</td><td>115... 230 VAC / 1.5 A +10 %... -15 % 50/60 Hz</td></tr> <tr><td>Battery capacity</td><td>2 x 12 V / 12 Ah</td></tr> <tr><td>Standard</td><td>EN 54-2, EN 54-4</td></tr> <tr><td>Dimensions (W x H x D)</td><td>506 x 378 x 125 mm</td></tr> <tr><td>Case protection category</td><td>IP40</td></tr> <tr><td>Color housing/cover</td><td>grey, ~RAL 9006/white, ~RAL 9003</td></tr> <tr><td>Data sheet</td><td>A6V10277147</td></tr> <tr><td>Expansion</td><td>FCA1002 Display unit FCA1003 Sounder control card FCA1005-D RT-isolation card FCA1006-F RS232 adapter</td></tr> <tr><td>Accessories</td><td>Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder</td></tr> </table>	Conventional line	8	Transmission output contact	2 x 30 VDC	Supervised output	2 x 24 VDC	Control output	14 x 24 VDC	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	EN 54-2, EN 54-4	Dimensions (W x H x D)	506 x 378 x 125 mm	Case protection category	IP40	Color housing/cover	grey, ~RAL 9006/white, ~RAL 9003	Data sheet	A6V10277147	Expansion	FCA1002 Display unit FCA1003 Sounder control card FCA1005-D RT-isolation card FCA1006-F RS232 adapter	Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder	<p>FC1008..</p>
Conventional line	8																												
Transmission output contact	2 x 30 VDC																												
Supervised output	2 x 24 VDC																												
Control output	14 x 24 VDC																												
Control input	6																												
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Expansion	FCA1002 Display unit FCA1003 Sounder control card FCA1005-D RT-isolation card FCA1006-F RS232 adapter																												
Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder																												
<p>FC1008-A</p> <p>8-zone conventional unit (Standard)</p> <p>See FC1008.. for technical overview and note the additional / other specifications:</p> <p>Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.</p> <table border="0"> <tr><td>Power consumption</td><td>25... 45 VA</td></tr> <tr><td>Quiescent current</td><td>125 mA</td></tr> </table>	Power consumption	25... 45 VA	Quiescent current	125 mA	<p>S54380-C4-A1</p>																								
Power consumption	25... 45 VA																												
Quiescent current	125 mA																												
<p>FC1008-B</p> <p>8-zone conventional unit (Head removal monitoring)</p> <p>See FC1008.. for technical overview and note the additional / other specifications:</p> <p>Special line monitoring for removal of a detector. Inscription stripes in English are enclosed.</p> <table border="0"> <tr><td>Power consumption</td><td>25...45 VA</td></tr> <tr><td>Quiescent current</td><td>125 mA</td></tr> </table>	Power consumption	25...45 VA	Quiescent current	125 mA	<p>S54380-C4-A10</p>																								
Power consumption	25...45 VA																												
Quiescent current	125 mA																												

Conventional Fire Control Panels


8-zone Panels

FC10 Series

Type		Order No.
FC1008-C	<p>8-zone conventional unit (Nordic)</p> <p>See FC1008.. for technical overview and note the additional / other specifications:</p> <p>Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.</p> <p>Power consumption 25... 45 VA Quiescent current 125 mA</p>	S54380-C4-A20
FC1008-D	<p>8-zone conventional unit (CH)</p> <p>See FC1008.. for technical overview and note the additional / other specifications:</p> <p>With special fire brigade operating panel for the Swiss market. Inscription stripes in Swiss German, Swiss Italian and Swiss French are enclosed.</p> <p>Power consumption 25... 45 VA Quiescent current 125 mA</p>	S54380-C4-A30
FC1008-E	<p>8-zone conventional unit (Evacuation)</p> <p>See FC1008.. for technical overview and note the additional / other specifications:</p> <p>Additional evacuation functions according to NEN2575. With 3.5 A power supply FCP1004-E. Inscription stripes in Dutch are enclosed.</p> <p>Power consumption 20...110 VA Quiescent current 170 mA</p>	S54380-C4-A40

Conventional Fire Control Panels
8-zone Panels
Expansion FC1008





Type	Order No.
<p>FCA1002</p> <p>Display unit</p> <p>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.</p>	<p>A6E60500021</p>
<p>FCA1003</p> <p>Sounder control card</p> <p>To provide 4 additional, monitored control lines. Not possible with FC1008-F, FC1012-F.</p>	<p>A6E60500022</p>
<p>FCA1005-D</p> <p>RT-isolation card</p> <p>To provide hardware disconnecting facility for the remote transmission channels.</p> 	<p>A6E60500024</p>

Conventional Fire Control Panels

8-zone Panels

Accessories FC1008

Type		Order No.
Z3B171	Relay module with 1 contact 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	BPZ:4843830001
FCA1007	Key switch kit To provide operating access via key switch instead of password. 	A6E60500026
FCA1014	Battery holder Battery holder for 12 Ah or 17 Ah batteries	A6E60500069

Conventional Fire Control Panels
12-zone Panels
FC10 Series



Type

Order No.

FC1012..



12-zone conventional unit

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 AlgoRex collective or Synova conventional. This allows connection to Cerberus PRO OOH740, 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
Supervised output	2 x 24 VDC
Control output	18 x 24 VDC
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	EN 54-2, EN 54-4
Dimensions (W x H x D)	506 x 378 x 125 mm
Case protection category	IP40
Color housing/cover	grey, ~RAL 9006/white, ~RAL 9003
Data sheet	A6V10277147
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..

FC1012-A

12-zone conventional unit (Standard)

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
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S54380-C5-A1

FC1012-B

12-zone conventional unit (Head removal monitoring)

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
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S54380-C5-A10

Conventional Fire Control Panels

12-zone Panels

FC10 Series

Type		Order No.
FC1012-C	<p>12-zone conventional unit (Nordic)</p> <p>See FC1012.. for technical overview and note the additional / other specifications:</p> <p>Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.</p> <p>Quiescent current 155 mA</p>	S54380-C5-A20

Conventional Fire Control Panels
12-zone Panels
Expansion FC1012



Type		Order No.
FCA1002	Display unit 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.	A6E60500021
FCA1003	Sounder control card To provide 4 additional, monitored control lines. Not possible with FC1008-F, FC1012-F.	A6E60500022

Conventional Fire Control Panels

12-zone Panels

Accessories FC1012

Type		Order No.
Z3B171	Relay module with 1 contact 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	BPZ:4843830001
FCA1007	Key switch kit To provide operating access via key switch instead of password.	A6E60500026

Conventional Extinguishing Control Panels



XC10 – compact panels for fire detection and extinguishing control


XC10 panels are the perfect choice for protecting valuable objects, a single room or multiple sectors with sophisticated requirements. XC10 can be installed as an independent control panel or be integrated into the fire safety system Cerberus PRO and be combined with the extinguishing system Sinorix.

- Fire detection and extinguishing control in one panel
- Broad range of installations possible – single-and multi-sectors, stand-alone or integrated into a larger fire safety system
- Easy integration into Cerberus PRO for increased safety
- Suitable for all types of extinguishing agents and applications
- Multi-sector applications for the protection of up to 16 flooding zones
- Fast easy installation and commissioning
- Complies with international standards (EN54-2/4, EN12094-1,...)

Conventional Extinguishing Control Panels

Connectable to Fire Detection Systems

XC10 Series

Type	Order No.																												
XC1001-A	S54390-C1-A1																												
	<p>Extinguishing panel Standard</p> <p>The compact dimensions of the Standard variant of XC1001-A are ideally adapted for single-sector applications, small to medium installations. It provides a full range of monitored inputs and outputs as well as digital and relays outputs. Self-contained control panel including fire detection and extinguishing control. The configurable relay outputs can be used to transmit informations to an FS20/FC20 fire detection panel via FDnet/C-NET I/O modules. The detection lines can be configured to AlgoRex, Cerberus PRO, Sinteso and Synova. Easy and fast commissioning using 4 digital displays.</p> <table> <tr> <td>Conventional line</td> <td>3</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 V / 1 A max.</td> </tr> <tr> <td>Control output</td> <td>24 V / 1 A max.</td> </tr> <tr> <td>Control input</td> <td>4 (non monitored). Activation via contact.</td> </tr> <tr> <td>Mains voltage</td> <td>115... 230 VAC +10%... -15%, 50/60 Hz</td> </tr> <tr> <td>Power consumption</td> <td>max. 150 VA</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V / 4.5 ... 17 Ah</td> </tr> <tr> <td>Standard</td> <td>EN 12094-1, EN 54-2/A1, EN 54-4/A2</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>370 x 286 x 90 mm</td> </tr> <tr> <td>Case protection category</td> <td>IP30</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9003 (cover), White aluminium, ~RAL 9006 (user interface)</td> </tr> <tr> <td>Data sheet</td> <td>A6V10257471</td> </tr> <tr> <td>Expansion</td> <td>XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module</td> </tr> <tr> <td>Accessories</td> <td>Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder XCH1001-A Cover set</td> </tr> </table>	Conventional line	3	Alarm relay output (NO/NC)	30 V / 1 A max.	Control output	24 V / 1 A max.	Control input	4 (non monitored). Activation via contact.	Mains voltage	115... 230 VAC +10%... -15%, 50/60 Hz	Power consumption	max. 150 VA	Battery capacity	2 x 12 V / 4.5 ... 17 Ah	Standard	EN 12094-1, EN 54-2/A1, EN 54-4/A2	Dimensions (W x H x D)	370 x 286 x 90 mm	Case protection category	IP30	Color	white, ~RAL 9003 (cover), White aluminium, ~RAL 9006 (user interface)	Data sheet	A6V10257471	Expansion	XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module	Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder XCH1001-A Cover set
Conventional line	3																												
Alarm relay output (NO/NC)	30 V / 1 A max.																												
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Expansion	XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module																												
Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder XCH1001-A Cover set																												

Conventional Extinguishing Control Panels
 Connectable to Fire Detection Systems
 XC10 Series



Type

Order No.

XC1005-A

Extinguishing panel Comfort

S54390-C3-A1



The XC1005-A Comfort variant offers the same functions and connection possibilities than XC1001-A. Thanks to the robustness of the cabinet, this variant is an ideal choice for medium size single-sector installations.


With large and robust cabinet, a maximum of 72 h backup time with battery capacity of 17 Ah, more space inside the cabinet for optional interfaces or modules and display countdown timer before extinguishing release.

Conventional line	3
Alarm relay output (NO/NC)	30 V / 1 A max.
Control output	24 V / 1 A max.
Control input	4 (non monitored). Activation via contact.
Mains voltage	115... 230 VAC +10... -15%, 50/60 Hz
Battery capacity	2 x 12 V / 4.5... 17 Ah
Dimensions (W x H x D)	505 x 375 x 125 mm
Case protection category	IP40
Color	white, ~RAL 9003 (cover), White aluminium, ~RAL 9006 (user interface)
Data sheet	A6V10257471
Expansion	XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module
Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder XCH1005-A Cover set

Conventional Extinguishing Control Panels

Connectable to Fire Detection Systems

XC10 Series

Type	Order No.																												
XC1003-A	S54390-C2-A1																												
	<p>Extinguishing panel Rack</p> <p>The XC1003-A 19" Rack variant offers the same connection possibilities than XC1001-A. Up to 16 panels can be installed in a 19" housing and configured to control a complex multi-sector installation. Thanks to the optional multi-sector modules, up to 16 panels can be connected together, a common control cylinder can be activated, selector valves can be controlled and their position can be monitored and inter-blocking functions can be configured.</p> <table> <tr> <td>Conventional line</td> <td>3</td> </tr> <tr> <td>Alarm relay output (NO/NC)</td> <td>30 V / 1 A max.</td> </tr> <tr> <td>Control output</td> <td>24 V / 1 A max.</td> </tr> <tr> <td>Control input</td> <td>4 (non monitored). Activation via contact.</td> </tr> <tr> <td>Mains voltage</td> <td>115... 230 VAC +10%... -15 %, 50/60 Hz</td> </tr> <tr> <td>Power consumption</td> <td>max. 150 VA</td> </tr> <tr> <td>Battery capacity</td> <td>2 x 12 V / 4.5... 17 Ah</td> </tr> <tr> <td>Standard</td> <td>EN 12094-1, EN 54-2/A1, EN 54-4/A2</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>482.6 x 177.8 x 187</td> </tr> <tr> <td>Case protection category</td> <td>IP30</td> </tr> <tr> <td>Color</td> <td>White aluminium, ~RAL 9006</td> </tr> <tr> <td>Data sheet</td> <td>A6V10257471</td> </tr> <tr> <td>Expansion</td> <td>XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module</td> </tr> <tr> <td>Accessories</td> <td>Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder PF12 Cover plate 1U PF13 Cover plate 2U XCH1003-A Cover set</td> </tr> </table>	Conventional line	3	Alarm relay output (NO/NC)	30 V / 1 A max.	Control output	24 V / 1 A max.	Control input	4 (non monitored). Activation via contact.	Mains voltage	115... 230 VAC +10%... -15 %, 50/60 Hz	Power consumption	max. 150 VA	Battery capacity	2 x 12 V / 4.5... 17 Ah	Standard	EN 12094-1, EN 54-2/A1, EN 54-4/A2	Dimensions (W x H x D)	482.6 x 177.8 x 187	Case protection category	IP30	Color	White aluminium, ~RAL 9006	Data sheet	A6V10257471	Expansion	XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module	Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder PF12 Cover plate 1U PF13 Cover plate 2U XCH1003-A Cover set
Conventional line	3																												
Alarm relay output (NO/NC)	30 V / 1 A max.																												
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Expansion	XCE1002 Trigger element XCA1020 Accessory set for FDCIO XCA1030 Multi-zone extension module XCA1031 Common multi-zone module																												
Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder PF12 Cover plate 1U PF13 Cover plate 2U XCH1003-A Cover set																												

Conventional Extinguishing Control Panels
Connectable to Fire Detection Systems
Expansion XC10



Type	Order No.
<p>FCA1014 Battery holder Battery holder for 12 Ah or 17 Ah batteries</p>	<p>A6E60500069</p>
<p>XCA1030 Multi-zone extension module This module is connected to the XC1003-A mainboard XCM1002. Each extinguishing panel which is included in a multi-sector application must be equipped with this module.</p> 	<p>S54390-A5-A1</p>
<p>XCA1031 Common multi-zone module The inputs/outputs are monitored by the module itself. The power supply is provided by the first and the last XC1003-A control unit.</p> 	<p>S54390-A6-A1</p>
<p>XCA1020 Accessory set for FDCIO Mounting support for I/O-module FDCIO222 for the connection to a fire detection system.</p> 	<p>A5Q00025158</p>
<p>XCE1002 Trigger element 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.</p> 	<p>A5Q00015659</p>

Conventional Extinguishing Control Panels Connectable to Fire Detection Systems Accessories XC10



Type		Order No.
Z3B171	Relay module with 1 contact 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	BPZ:4843830001
FCA1007	Key switch kit To provide operating access via key switch instead of password.	A6E60500026

Conventional Extinguishing Control Panels

Connectable to Fire Detection Systems

XT10 Series



Type	Order No.
<p>XT1001-A1</p>  <p>Repeater display</p> <p>Small repeater display for use with XC10 extinguishing control panel system.</p> <p>Up to 16 repeaters can be connected to each XC10 extinguishing control panel to provide control and remote status indication like Fire alarms, Communication faults, Activated, Discharged, Manual blocked, Automatic blocked, Fault, Disable, Loss of agent, Emergency hold and Power supply fault possible. Controls are Buzzer silence and Lamp test. One cable for data communication and one cable for power supply required. Power supply via the XC10 power supply output, separate 24 V power supply possible.</p> <p>Storage temperature -10... +60 °C Operating temperature -5... +40 °C Quiescent current 18 mA at 24 V Mains voltage 8... 30 VDC Dimensions (W x H x D) 200 x 210 x 48 Case protection category IP40 Color grey, ~RAL 9002</p>	<p>S54390-Z16-A1</p>
<p>XT1002-A1</p>  <p>Repeater display</p> <p>Small repeater display for use with XC10 extinguishing control panel system.</p> <p>Up to 16 repeaters can be connected to each XC10 extinguishing control panel to provide control and remote status indication like Fire alarms, Communication faults, Activated, Discharged, Manual blocked, Automatic blocked, Fault, Disable, Loss of agent, Emergency hold and Power supply fault possible. Controls are Buzzer silence, Lamp test, Mode of operation and Sounder silence via access level key operation. One cable for data communication and one cable for power supply required. Power supply via the XC10 power supply output, separate 24 V power supply possible.</p> <p>Storage temperature -10... +60 °C Operating temperature -5... +40 °C Quiescent current 18 mA at 24 V Mains voltage 8... 30 VDC Dimensions (W x H x D) 200 x 210 x 48 Case protection category IP40 Color grey, ~RAL 9002</p>	<p>S54390-Z15-A1</p>

Fire Detection Network (C-NET) Peripherals



Providing fast, reliable detection with patented technology

Data centers, office buildings or industrial production facilities – 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. Our unique **ASAtchnology™** (ASA = advanced signal analysis) offers advanced signal processing and nine selectable parameter sets, ensuring very fast and highly reliable fire detection – even in the most demanding environments.

- Siemens has 160 years experience in fire safety – with more than 60 million detectors installed worldwide
- Detectors with **ASAtchnology** are the best choice for protecting especially demanding application areas
- **ASAtchnology** offers 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

ASA neural fire and CO detector

Detector base seal
RS720



Base attachment
BA720

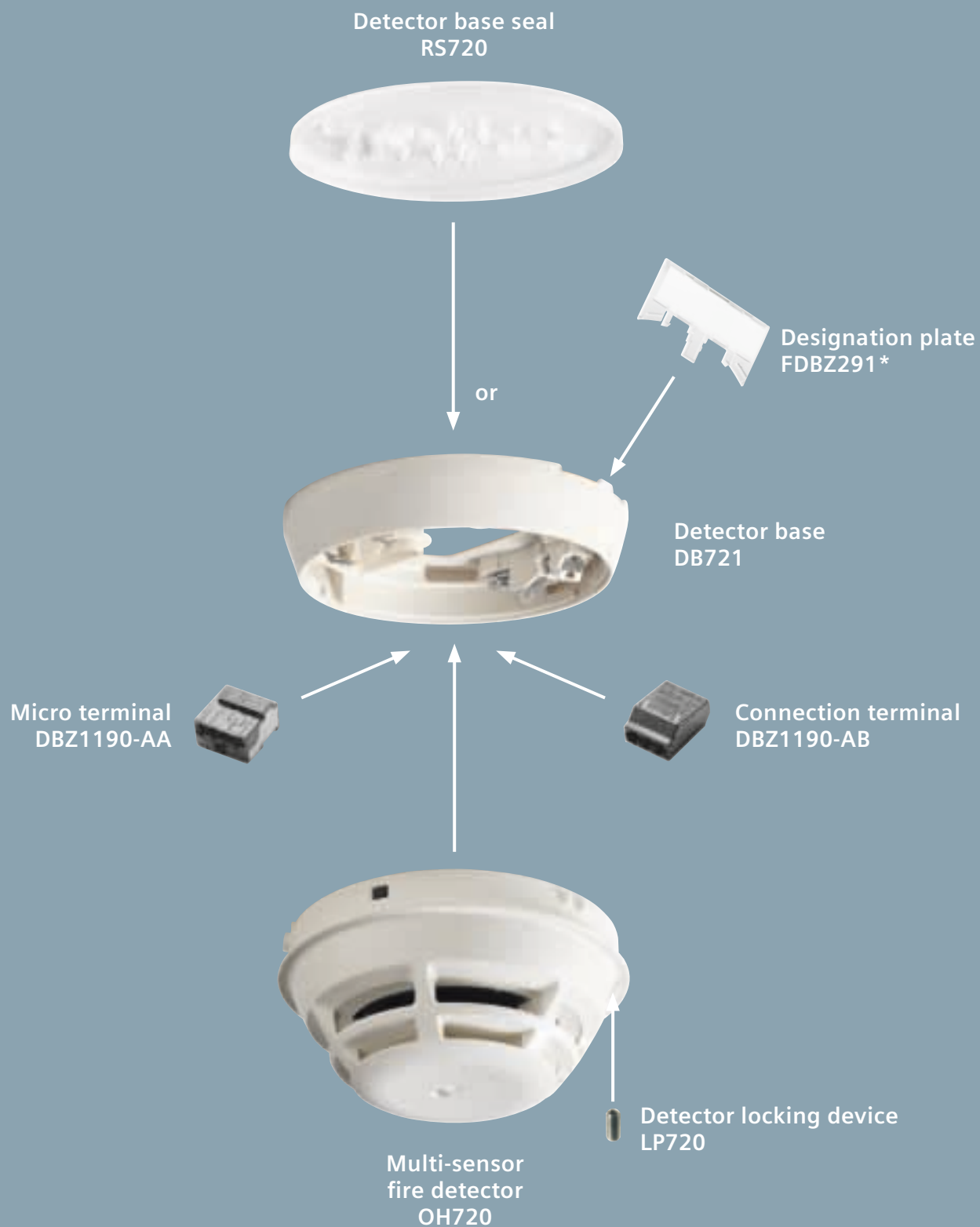


ASA neural fire
and CO detector
OOHC740



Detector locking device
LP720

Addressable fire detectors – point detectors



* cannot be used together with RS720

A close-up, low-angle shot of a white, dome-shaped Siemens Cerberus PRO fire detector. The detector has a circular base with several small, dark, rectangular slots. The top surface is smooth and features a small, dark circular hole in the center. The background is a light blue gradient.

SIEMENS

www.siemens.com/cerberus

Cerberus PRO – providing fast, reliable fire detection with patented technology

Reliable detection thanks to special *ASAtechnology™*

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 advanced signal processing and selectable parameter sets, they ensure very fast and highly reliable fire detection – even in the most demanding environments.


For sophisticated applications, Cerberus PRO offers ASA neural fire detectors. For standard applications, the multi-sensor fire detector, the smoke detector, and the heat detector are best choice. A broad range of special detectors – from linear smoke detectors, flame detectors to Ex detectors – rounds off the clever Cerberus PRO offering.

Answers for infrastructure.

Fire Detection Network (C-NET) Peripherals

Addressable Fire Detectors

Point Detectors

Type		Order No.																												
OOH740	 <p>Multi sensor smoke detector, ASA</p> <p>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.</p> <p>Works according to the scattered-light principle with two sensors, optical forward and backward scattering. Opto-electronic sampling chamber blocks disturbing extraneous light but optimally detects both dark and light smoke particles. Two additional heat sensors increase the fire detector's immunity to deceptive phenomena.</p> <p>The base must be ordered separately.</p> <p>Scope of delivery Detector and dust cap.</p> <table><tr><td>Communication protocol</td><td>C-NET or collective</td></tr><tr><td>Operating voltage</td><td>12... 33 VDC</td></tr><tr><td>Quiescent current</td><td>~200...280 µA</td></tr><tr><td>Ext. alarm indicator</td><td>2</td></tr><tr><td>Operating temperature</td><td>-10... +50 °C</td></tr><tr><td>Storage temperature</td><td>-30... +55 °C</td></tr><tr><td>Relative humidity</td><td>≤95 %</td></tr><tr><td>Color</td><td>white, ~RAL 9010</td></tr><tr><td>Protection category</td><td>IP40 IP43 with detector base seal RS720</td></tr><tr><td>System compatibility</td><td>FS720</td></tr><tr><td>Standard</td><td>CEA4021, EN 54-5, EN 54-7, EN 54-17</td></tr><tr><td>Dimensions (Ø x H)</td><td>117 x 49 mm (incl. base)</td></tr><tr><td>Data sheet</td><td>A6V10284161</td></tr><tr><td>Accessories</td><td>LP720 Detector locking device</td></tr></table>	Communication protocol	C-NET or collective	Operating voltage	12... 33 VDC	Quiescent current	~200...280 µA	Ext. alarm indicator	2	Operating temperature	-10... +50 °C	Storage temperature	-30... +55 °C	Relative humidity	≤95 %	Color	white, ~RAL 9010	Protection category	IP40 IP43 with detector base seal RS720	System compatibility	FS720	Standard	CEA4021, EN 54-5, EN 54-7, EN 54-17	Dimensions (Ø x H)	117 x 49 mm (incl. base)	Data sheet	A6V10284161	Accessories	LP720 Detector locking device	S54320-F7-A3
Communication protocol	C-NET or collective																													
Operating voltage	12... 33 VDC																													
Quiescent current	~200...280 µA																													
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Data sheet	A6V10284161																													
Accessories	LP720 Detector locking device																													

Fire Detection Network (C-NET) Peripherals
Addressable Fire Detectors
Point Detectors



Type

Order No.

OOHC740

Neural fire detector

S54320-F8-A3



Fire and CO detector for very early and reliable detection of emerging fire, due to analysis of the three criteria smoke, heat and gas. Very fast response to all carbon monoxide (CO) generating fires and very early and reliable alarming in environments with deceptive phenomena. Works according to the scattered-light principle with two sensors, optical forward and backward scattering. Opto-electronic sampling chamber blocks disturbing extraneous light but optimally detects both dark and light smoke particles. Two additional heat sensors and an additional CO sensor increase the fire detector's immunity to deceptive phenomena and the response characteristics of the fire detector. Selectable detection behavior by application-specific ASA parameter sets. The additional CO analysis makes it exceptionally fast and ideal for applications where the occupants make speed of detection critical (e.g. nursing homes, hospitals, sheltered accommodations etc.). The base must be ordered separately.



Scope of delivery
 Detector and dust cap.

Communication protocol	C-NET
Operating voltage	12... 33 VDC
Quiescent current	~320...500 µA
Ext. alarm indicator	2
Operating temperature	-10... +50 °C
Storage temperature	-20... +55 °C
Relative humidity	≤95 %
Color	white, ~RAL 9010
Protection category	IP40 IP43 with detector base seal RS720
System compatibility	FS720
Standard	CEA4021, EN 54-5, EN 54-7, EN 54-17, LPS1279, VdS2806
Dimensions (Ø x H)	117 x 49 mm (incl. base)
Data sheet	A6V10284161
Accessories	LP720 Detector locking device

Fire Detection Network (C-NET) Peripherals

Addressable Fire Detectors

Point Detectors

Type		Order No.																														
OH720	 <p>Multi-sensor smoke detector</p> <p>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.</p> <p>Scope of delivery Detector and dust cap.</p> <table><tr><td>Communication protocol</td><td>C-NET</td></tr><tr><td>Operating voltage</td><td>12... 33 VDC</td></tr><tr><td>Quiescent current</td><td>~230 µA</td></tr><tr><td>Ext. alarm indicator</td><td>2</td></tr><tr><td>Operating temperature</td><td>-10... +50 °C</td></tr><tr><td>Storage temperature</td><td>-30... +70 °C</td></tr><tr><td>Permissible air speed</td><td>max. 5 m/s</td></tr><tr><td>Relative humidity</td><td>≤95 %</td></tr><tr><td>Color</td><td>white, ~RAL 9010</td></tr><tr><td>Protection category</td><td>IP40 IP42 with detector base seal RS720</td></tr><tr><td>System compatibility</td><td>FS720</td></tr><tr><td>Standard</td><td>CEA4021, EN 54-7, EN 54-17</td></tr><tr><td>Dimensions (Ø x H)</td><td>117 x 59 mm (incl. base)</td></tr><tr><td>Data sheet</td><td>A6V10202198</td></tr><tr><td>Accessories</td><td>LP720 Detector locking device</td></tr></table>	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. 5 m/s	Relative humidity	≤95 %	Color	white, ~RAL 9010	Protection category	IP40 IP42 with detector base seal RS720	System compatibility	FS720	Standard	CEA4021, EN 54-7, EN 54-17	Dimensions (Ø x H)	117 x 59 mm (incl. base)	Data sheet	A6V10202198	Accessories	LP720 Detector locking device	S54310-F2-A1
Communication protocol	C-NET																															
Operating voltage	12... 33 VDC																															
Quiescent current	~230 µA																															
Ext. alarm indicator	2																															
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Dimensions (Ø x H)	117 x 59 mm (incl. base)																															
Data sheet	A6V10202198																															
Accessories	LP720 Detector locking device																															
OP720	 <p>Optical smoke detector</p> <p>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.</p> <p>Scope of delivery Detector and dust cap.</p> <table><tr><td>Communication protocol</td><td>C-NET</td></tr><tr><td>Operating voltage</td><td>12... 33 VDC</td></tr><tr><td>Quiescent current</td><td>~220 µA</td></tr><tr><td>Ext. alarm indicator</td><td>2</td></tr><tr><td>Operating temperature</td><td>-10... +50 °C</td></tr><tr><td>Storage temperature</td><td>-30... +70 °C</td></tr><tr><td>Permissible air speed</td><td>max. 5 m/s</td></tr><tr><td>Relative humidity</td><td>≤95 %</td></tr><tr><td>Color</td><td>white, ~RAL 9010</td></tr><tr><td>Protection category</td><td>IP40 IP42 with detector base seal RS720</td></tr><tr><td>System compatibility</td><td>FS720</td></tr><tr><td>Standard</td><td>EN54-7, EN54-17</td></tr><tr><td>Dimensions (Ø x H)</td><td>117 x 56 mm (incl. base)</td></tr><tr><td>Data sheet</td><td>A6V10202198</td></tr><tr><td>Accessories</td><td>LP720 Detector locking device</td></tr></table>	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. 5 m/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	S54310-F1-A1
Communication protocol	C-NET																															
Operating voltage	12... 33 VDC																															
Quiescent current	~220 µA																															
Ext. alarm indicator	2																															
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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																															

Fire Detection Network (C-NET) Peripherals

Addressable Fire Detectors

Point Detectors



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	EN 54-5, EN 54-17
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	EN 54-5, EN 54-17
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Data sheet	A6V10202198
Accessories	LP720 Detector locking device

Fire Detection Network (C-NET) Peripherals

Addressable Fire Detectors

Point Detectors

Type	Order No.								
<p>LP720</p>  <p>Accessories</p> <p>Detector locking device</p> <p>Threaded pin M3 x 12 to protect detector against theft.</p> <p>Scope of delivery 2 hexagonal wrenches 100 threaded pins</p>	S54319-F9-A1								
<p>DB721</p>  <p>Detector base with loop contact</p> <p>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 mm². Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.</p> <p>For all point detectors of the series Cerberus PRO FD720.</p> <p>Back entry for recess supply wiring. 2 breakouts on the side for surface wiring of cables up to 8 mm in diameter. By using the detector base with loop contact (DB721) the detector line is not interrupted even if no point detector is mounted</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 1.6 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 23 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Accessories</td> <td>FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	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	S54319-F11-A1
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								
<p>DB721D</p>  <p>Detector base</p> <p>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 mm². Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.</p> <p>For the OOH740 point detectors of the series Cerberus PRO FD720 in collective mode.</p> <p>Back entry for recess supply wiring. 2 break outs on the side for surface wiring of cables up to 8 mm in diameter. By using the detector base with loop contact the detector line is not interrupted even if no point detector is mounted</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 1.6 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 23 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Accessories</td> <td>DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm² FDBZ291 Designation plate RS720 Detector base seal</td> </tr> </table>	Cable capacity	0.2... 1.6 mm ²	Dimensions (Ø x H)	117 x 23 mm	Color	white, ~RAL 9010	Accessories	DBZ1190-AA Micro terminal 0.5 mm ² DBZ1190-AB Connection terminal 2.5 mm ² FDBZ291 Designation plate RS720 Detector base seal	S54319-F15-A1
Cable capacity	0.2... 1.6 mm ²								
Dimensions (Ø x H)	117 x 23 mm								
Color	white, ~RAL 9010								
Accessories	DBZ1190-AA Micro terminal 0.5 mm ² DBZ1190-AB Connection terminal 2.5 mm ² FDBZ291 Designation plate RS720 Detector base seal								

Fire Detection Network (C-NET) Peripherals

Addressable Fire Detectors

Point Detectors



Type

Order No.

DBS720



Sounder base

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	EN 54-3
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

S54319-F5-A1

Accessories

FDBZ291



Designation plate

To identify the location address for detector bases.

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

A5Q00002621

RS720



Detector base seal

Seal for higher protection category. Compatible with base DB721 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

S54319-F8-A1

Fire Detection Network (C-NET) Peripherals




Addressable Fire Detectors

Point Detectors

Type		Order No.
BA720	Base attachment  <p>For the supply of surface-mounted tubes (max. 20 mm) and trunking (max. 25 mm x 15 mm). The detector base is fixed with a spring-loaded catch. Mounting slots 46... 90 mm.</p> <p>Color white, ~RAL 9010 Dimensions (Ø x H) 120 x 25 mm</p>	S54319-F20-A1
DBZ1190-AA	Micro terminal 0.5 mm², 4-pole  <p>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.</p> <p>Cable capacity 0.28... 0.5 mm² Dimensions (W x H x D) 10 x 7 x 10 mm Delivery unit 50 pieces</p>	BPZ:4677080001
DBZ1190-AB	Connection terminal 2.5 mm², 3-pole  <p>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.</p> <p>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</p>	BPZ:4942340001

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Direct Operation








Type	Order No.
<p>FDM221__</p>  <p>Manual call point</p> <p>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.</p> <p>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</p> <p>Products to select from</p> <p>FDMH291-R See Page 5-8,7-17 FDMH291-B See Page 5-8,5-9,7-17,7-18 FDMH291-G See Page 5-8,5-9,7-17,7-18 FDMH291-Y See Page 5-8,7-17,7-18 FDME221 See Page 5-8,5-9</p>	<p>FDM221__</p>
<p>FDMH291-R</p>  <p>Housing red with key</p> <p>Housing with key for electronic unit.</p> <p>Color red, ~RAL 3000</p>	<p>A5Q00002217</p>
<p>FDMH291-Y</p>  <p>Housing yellow with key</p> <p>Housing with key for electronic unit.</p> <p>Color yellow, ~RAL 1023</p>	<p>A5Q00004979</p>

Fire Detection Network (C-NET) Peripherals

Addressable Manual Call Points

MCP with Direct Operation



Type		Order No.
FDMH291-G	<p>Housing green with key</p> <p>Housing with key for electronic unit.</p> <p>Color green, ~RAL 6024</p> 	A5Q00004981
FDMH291-B	<p>Housing blue with key</p> <p>Housing with key for electronic unit.</p> <p>Color blue, ~RAL 5005</p> 	A5Q00004980
FDME221	<p>Switching unit with direct alarm actuation</p> <p>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.</p> <p>Operating voltage 12... 33 VDC Quiescent current 200 µA Terminal block 0.28... 1.5 mm²</p> <p>Accessories</p> 	A5Q00002451
FDMC291	<p>Protective cover</p> <p>The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x.</p> <p>Delivery unit 5 pieces</p> 	A5Q00001644
A5Q00004478	<p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p> 	A5Q00004478

Fire Detection Network (C-NET) Peripherals

Addressable Manual Call Points

MCP with Direct Operation






Type	Order No.
<p>A5Q00004479</p> <p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p> 	A5Q00004479
<p>FDM225-RG</p> <p>Manual call point with glass plate</p> <p>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.</p> <p>For surface mounting the housing base FDMH295-x must be ordered separately.</p>  <p>Communication protocol FDnet/C-NET</p> <p>Operating voltage 13... 33 VDC</p> <p>Quiescent current 180 µA</p> <p>Terminal block 0.28... 1.5 mm²</p> <p>Operating temperature -25... +70 °C</p> <p>Storage temperature -30... +75 °C</p> <p>Relative humidity ≤95 % (no condensation)</p> <p>Protection category IP44</p> <p>Color red, ~RAL 3000</p> <p>System compatibility FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</p> <p>Standard EN 54-11, EN 54-17</p> <p>Dimensions (W x H x D) 87 x 87 x 20 mm</p> <p>Data sheet 009023</p> <p>Accessories FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover</p>	A5Q00013434

Fire Detection Network (C-NET) Peripherals

Addressable Manual Call Points

MCP with Direct Operation

Type	Order No.																												
FDM225-RP 	A5Q00012020																												
<p>Manual call point with resettable plastic element</p> <p>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.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>13... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>180 µA</td> </tr> <tr> <td>Terminal block</td> <td>0.28... 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN54-11, EN54-17</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 87 x 20 mm</td> </tr> <tr> <td>Data sheet</td> <td>009023</td> </tr> <tr> <td>Accessories</td> <td>FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover</td> </tr> </table>	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	
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																												
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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																												
FDMH295-R 	A5Q00013437																												
<p>Back box</p> <p>Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.</p> <table border="0"> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 87 x 33</td> </tr> <tr> <td>Accessories</td> <td>A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	Color	red, ~RAL 3000	Dimensions (W x H x D)	87 x 87 x 33	Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm ²																							
Color	red, ~RAL 3000																												
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Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm ²																												
FDMH295-S 	A5Q00013438																												
<p>Back box with 2 entries</p> <p>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.</p> <table border="0"> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 87 x 33</td> </tr> <tr> <td>Accessories</td> <td>DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	Color	red, ~RAL 3000	Dimensions (W x H x D)	87 x 87 x 33	Accessories	DBZ1190-AB Connection terminal 2.5 mm ²																							
Color	red, ~RAL 3000																												
Dimensions (W x H x D)	87 x 87 x 33																												
Accessories	DBZ1190-AB Connection terminal 2.5 mm ²																												

Fire Detection Network (C-NET) Peripherals

Addressable Manual Call Points

MCP with Direct Operation





Type		Order No.
A5Q00004478	<p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
A5Q00004479	<p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p>	A5Q00004479
DBZ1190-AB	<p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm² Delivery unit 50 pieces</p>	BPZ:4942340001
FDMC295	<p>Protective cover</p> <p>The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.</p> <p>Color transparent Delivery unit 10 pieces</p>	A5Q00013440
FDM226-RG	<p>Manual call point with glass plate incl. housing base</p> <p>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.</p> <p>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 EN 54-11, EN 54-17 Dimensions (W x H x D) 87 x 87 (113) x 57 mm Data sheet 009023 Accessories FDMC295 Protective cover</p>	A5Q00013435

Fire Detection Network (C-NET) Peripherals

Addressable Manual Call Points

MCP with Direct Operation

Type	Order No.																												
FDM226-RP 	A5Q00013436																												
Manual call point with resettable plastic element incl. housing base																													
<p>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.</p>																													
<table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>13... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>180 µA</td> </tr> <tr> <td>Terminal block</td> <td>0.28... 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP66</td> </tr> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-11, EN 54-17</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 87 (113) x 57 mm</td> </tr> <tr> <td>Data sheet</td> <td>009023</td> </tr> <tr> <td>Accessories</td> <td>FDMC295 Protective cover</td> </tr> </table>	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	EN 54-11, EN 54-17	Dimensions (W x H x D)	87 x 87 (113) x 57 mm	Data sheet	009023	Accessories	FDMC295 Protective cover	
Communication protocol	FDnet/C-NET																												
Operating voltage	13... 33 VDC																												
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System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720																												
Standard	EN 54-11, EN 54-17																												
Dimensions (W x H x D)	87 x 87 (113) x 57 mm																												
Data sheet	009023																												
Accessories	FDMC295 Protective cover																												
Accessories																													
FDMC295 	A5Q00013440																												
Protective cover																													
<p>The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.</p>																													
<table border="0"> <tr> <td>Color</td> <td>transparent</td> </tr> <tr> <td>Delivery unit</td> <td>10 pieces</td> </tr> </table>	Color	transparent	Delivery unit	10 pieces																									
Color	transparent																												
Delivery unit	10 pieces																												

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Direct Operation



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	EN 54-11, EN 54-17
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 5-14,5-20
FDMH293-B	See Page 5-14,5-15,5-20,5-21
FDMH293-O	See Page 5-14,5-15,5-20,5-21
FDMH293-G	See Page 5-14,5-15,5-20,5-21
FDMH293-Y	See Page 5-14,5-15,5-20,5-21
FDME224	See Page 5-14,5-16,5-18

FDM224__

FDMH293-R



Housing red, with glass and key

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

Color	red, ~RAL 3000
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A5Q00004023

Fire Detection Network (C-NET) Peripherals






Addressable Manual Call Points

MCP with Direct Operation

Type	Order No.
<p>FDMH293-Y</p> <p>Housing yellow, with glass and key</p> <p>Manual call point housing for the switching unit FDME223, FDME224.</p> <p>Color yellow, ~RAL 1023</p> 	A5Q00004908
<p>FDMH293-G</p> <p>Housing green, with glass and key</p> <p>Manual call point housing for the switching unit FDME223, FDME224.</p> <p>Color green, ~RAL 6024</p> 	A5Q00004911
<p>FDMH293-B</p> <p>Housing blue, with glass and key</p> <p>Manual call point housing for the switching unit FDME223, FDME224.</p> <p>Color blue, ~RAL 5005</p> 	A5Q00004909
<p>FDMH293-O</p> <p>Housing orange, with glass and key</p> <p>Manual call point housing for the switching unit FDME223, FDME224.</p> <p>Color orange, ~RAL 2011</p> 	S54311-F2-A1

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Direct Operation



Type	Order No.
<p>FDME224</p>  <p>Switching unit with direct alarm actuation</p> <p>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.</p> <p>Operating voltage 12... 33 VDC Quiescent current 200 µA Terminal block 0.28... 1.5 mm²</p> <p>Accessories</p>	<p>A5Q00009392</p>
<p>DMZ1197-AD</p>  <p>Protection seal</p> <p>Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5470680001</p>
<p>DMZ1197-AC</p>  <p>Protective cover</p> <p>Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5223550001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>A5Q00006735</p>  <p>Locking plug M20 x 1.5 (1 hole)</p> <p>For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.</p> <p>Color red, ~RAL 3000 Delivery unit 10 pieces</p>	<p>A5Q00006735</p>

Fire Detection Network (C-NET) Peripherals






Addressable Manual Call Points

MCP with Direct Operation

Type		Order No.
A5Q00010055	<p>Locking plug M20 x 1.5 (2 holes)</p> <p>For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.</p> <p>Color red, ~RAL 3000 Delivery unit 10 pieces</p>	A5Q00010055
FDM224H__	<p>Manual call point 'Heavy Duty'</p> <p>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.</p> <p>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)</p> <p>System compatibility FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</p> <p>Standard EN 54-11, EN 54-17 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</p> <p>Products to select from FDME224 See Page 5-14,5-16,5-18 FDMH292-R See Page 5-17,5-23</p>	FDM224H__
FDMH292-R	<p>Housing red 'Heavy Duty'</p> <p>Housing with glass, 3 pieces locking plugs M20 (2 holes), hexagonal wrench 2.5 mm and label 'Feuerwehr/Brandmelder'.</p> <p>Color red, ~RAL 3000</p>	A5Q00005525

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Direct Operation



Type	Order No.
<p>FDME224</p>  <p>Switching unit with direct alarm actuation</p> <p>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.</p> <p>Operating voltage 12... 33 VDC Quiescent current 200 µA Terminal block 0.28... 1.5 mm²</p> <p>Accessories</p>	<p>A5Q00009392</p>
<p>DMZ1197-AD</p>  <p>Protection seal</p> <p>Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5470680001</p>
<p>DMZ1197-AC</p>  <p>Protective cover</p> <p>Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5223550001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>A5Q00008131</p>  <p>V-plug PA M20 x 1.5</p> <p>For outdoor applications for locking the unused openings in the housing FDMH292-R to improve the higher protection category.</p> <p>Color black</p>	<p>A5Q00008131</p>

Fire Detection Network (C-NET) Peripherals

Addressable Manual Call Points

MCP with Indirect Operation

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	EN 54-11, EN 54-17
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

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Indirect Operation



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.

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	EN 54-11, EN 54-17
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 5-14,5-15,5-20,5-21
FDMH293-G	See Page 5-14,5-15,5-20,5-21
FDMH293-R	See Page 5-14,5-20
FDMH293-Y	See Page 5-14,5-15,5-20,5-21
FDMH293-O	See Page 5-14,5-15,5-20,5-21
FDME223	See Page 5-20,5-22,5-24

FDM223__

FDMH293-R

Housing red, with glass and key








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

Color	red, ~RAL 3000
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A5Q00004023

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Indirect Operation



Type	Order No.
<p>FDME223</p>  <p>Switching unit with indirect alarm actuation</p> <p>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.</p> <p>Operating voltage 12... 33 VDC Quiescent current 200 µA Terminal block 0.28... 1.5 mm²</p> <p>Accessories</p>	<p>A5Q00003087</p>
<p>DMZ1197-AD</p>  <p>Protection seal</p> <p>Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5470680001</p>
<p>DMZ1197-AC</p>  <p>Protective cover</p> <p>Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5223550001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>A5Q00006735</p>  <p>Locking plug M20 x 1.5 (1 hole)</p> <p>For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.</p> <p>Color red, ~RAL 3000 Delivery unit 10 pieces</p>	<p>A5Q00006735</p>

Fire Detection Network (C-NET) Peripherals






Addressable Manual Call Points

MCP with Indirect Operation

Type		Order No.
A5Q00010055	<p>Locking plug M20 x 1.5 (2 holes)</p> <p>For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.</p> <p>Color red, ~RAL 3000 Delivery unit 10 pieces</p>	A5Q00010055
FDM223H__	<p>Manual call point 'Heavy Duty'</p> <p>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.</p> <p>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</p> <p>Standard EN 54-11, EN 54-17 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</p> <p>Products to select from FDMH292-R See Page 5-17,5-23 FDME223 See Page 5-20,5-22,5-24</p>	FDM223H__
FDMH292-R	<p>Housing red 'Heavy Duty'</p> <p>Housing with glass, 3 pieces locking plugs M20 (2 holes), hexagonal wrench 2.5 mm and label 'Feuerwehr/Brandmelder'.</p> <p>Color red, ~RAL 3000</p>	A5Q00005525

Fire Detection Network (C-NET) Peripherals
Addressable Manual Call Points
MCP with Indirect Operation




Type	Order No.
<p>FDME223</p>  <p>Switching unit with indirect alarm actuation</p> <p>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.</p> <p>Operating voltage 12... 33 VDC Quiescent current 200 µA Terminal block 0.28... 1.5 mm²</p> <p>Accessories</p>	<p>A5Q00003087</p>
<p>DMZ1197-AD</p>  <p>Protection seal</p> <p>Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5470680001</p>
<p>DMZ1197-AC</p>  <p>Protective cover</p> <p>Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.</p> <p>Delivery unit 5 pieces</p>	<p>BPZ:5223550001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>A5Q00008131</p>  <p>V-plug PA M20 x 1.5</p> <p>For outdoor applications for locking the unused openings in the housing FDMH292-R to improve the higher protection category.</p> <p>Color black</p>	<p>A5Q00008131</p>

Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Alarm Sounders, Alarm Sounder Beacon

Type	Order No.																																				
FDS221-R	A5Q00004117																																				
	<p>Alarm sounder red</p> <p>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.</p> <p>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.</p> <p>The base must be ordered separately.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Operating current</td> <td>3.5 mA (sound activated)</td> </tr> <tr> <td>Quiescent current</td> <td>250 µA</td> </tr> <tr> <td>Terminals</td> <td>according to detector base</td> </tr> <tr> <td>Number of sounds</td> <td>11</td> </tr> <tr> <td>Sound intensity</td> <td>80... 99 dBA</td> </tr> <tr> <td>Ext. alarm indicator</td> <td>2</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>Protection category</td> <td>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.</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-3, EN 54-17</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>100 x 43 mm</td> </tr> <tr> <td>Data sheet</td> <td>Sinteso -> 007026 Cerberus PRO -> A6V10203095</td> </tr> <tr> <td>Accessories</td> <td>FDBZ293 Detector locking device</td> </tr> </table>	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	EN 54-3, EN 54-17	Dimensions (Ø x D)	100 x 43 mm	Data sheet	Sinteso -> 007026 Cerberus PRO -> A6V10203095	Accessories	FDBZ293 Detector locking device
Communication protocol	FDnet/C-NET																																				
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Accessories	FDBZ293 Detector locking device																																				

Fire Detection Network (C-NET) Peripherals
Alarm Equipment
Alarm Sounders, Alarm Sounder Beacon



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	EN 54-3, EN 54-17
Dimensions (Ø x D)	100 x 43 mm
Data sheet	Sinteso -> 007026 Cerberus PRO -> A6V10203095
Accessories	FDBZ293 Detector locking device

Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Alarm Sounders, Alarm Sounder Beacon

Type	Order No.																																								
FDS229-R	A5Q00023093																																								
	<p>Alarm sounder beacon, red</p> <p>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.</p> <p>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.</p> <p>The base must be ordered separately.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>250 µA</td> </tr> <tr> <td>Operating current</td> <td>3.5 mA (sound activated) 3.5 mA (beacon activated) 7.0 mA (sound and beacon activated)</td> </tr> <tr> <td>Terminals</td> <td>according to detector base</td> </tr> <tr> <td>Number of sounds</td> <td>11</td> </tr> <tr> <td>Number of flashing pattern</td> <td>1 (intermittent)</td> </tr> <tr> <td>Sound intensity</td> <td>80... 99 dBA</td> </tr> <tr> <td>Light intensity</td> <td>1.27... 3.2 cd</td> </tr> <tr> <td>Ext. alarm indicator</td> <td>2</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +55 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>transparent red</td> </tr> <tr> <td>Protection category</td> <td>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.</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-3, EN 54-17</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>100 x 43 mm</td> </tr> <tr> <td>Data sheet</td> <td>Sinteso -> A6V10067776 Cerberus PRO -> A6V10229545</td> </tr> <tr> <td>Accessories</td> <td>FDBZ293 Detector locking device</td> </tr> </table>	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	EN 54-3, EN 54-17	Dimensions (Ø x D)	100 x 43 mm	Data sheet	Sinteso -> A6V10067776 Cerberus PRO -> A6V10229545	Accessories	FDBZ293 Detector locking device
Communication protocol	FDnet/C-NET																																								
Operating voltage	12... 33 VDC																																								
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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																																								
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Data sheet	Sinteso -> A6V10067776 Cerberus PRO -> A6V10229545																																								
Accessories	FDBZ293 Detector locking device																																								

Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Alarm Sounders, Alarm Sounder Beacon



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	EN 54-3, EN 54-17
Dimensions (Ø x D)	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

Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Bases for Alarm Sounders, Alarm Sounder Beacon

Type	Order No.
<p>FDB221</p>  <p>Detector base addressable</p> <p>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 mm² or connection terminals 2.5 mm². For equipment with addressable signal processing. For recess supply wiring. For surface supply wiring, cable diameter up to 6 mm.</p> <p>Cable capacity 0.2... 1.5 mm² Dimensions (Ø x H) 100 x 22 mm Color white, ~RAL 9010 Data sheet Sinteso -> 007775 Cerberus PRO -> A6V10203095, A6V10229545</p> <p>Accessories FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm² FDB291 Base attachment FDB293 Base attachment wet</p>	A5Q00001664
<p>FDB222</p>  <p>Detector base flat, addressable</p> <p>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 mm² or connection terminals 2.5 mm². For equipment with addressable signal processing. For recess supply wiring.</p> <p>Cable capacity 0.2... 1.5 mm² Dimensions (Ø x H) 100 x 22 mm Color white, ~RAL 9010 Data sheet Sinteso -> 007775 Cerberus PRO -> A6V10203095, A6V10229545</p> <p>Accessories FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²</p>	S54319-F1-A1
<p>FDBZ295</p>  <p>Sealing element</p> <p>Use only with base FDB221, FDB221-AA for higher protection category. Not usable together with the designation plate FDBZ291.</p> <p>Dimensions (Ø x H) 107 x 30 mm Color white, ~RAL 9010</p>	S54319-F10-A1

Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Bases for Alarm Sounders, Alarm Sounder Beacon



Type		Order No.
FDBZ291	<p>Designation plate</p> <p>To identify the location address for detector bases.</p>  <p>Dimensions (W x H) 62 x 35 mm Color transparent Delivery unit 10 pieces</p>	A5Q00002621
DBZ1190-AA	<p>Micro terminal 0.5 mm², 4-pole</p> <p>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.</p>  <p>Cable capacity 0.28... 0.5 mm² Dimensions (W x H x D) 10 x 7 x 10 mm Delivery unit 50 pieces</p>	BPZ:4677080001
DBZ1190-AB	<p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p>  <p>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</p>	BPZ:4942340001
FDB291	<p>Base attachment</p> <p>For the supply of surface-mounted lines $\geq \varnothing 6$ mm. The detector base FDB2xx is fixed with a spring-loaded catch. Mounting slots 46... 90 mm.</p>  <p>Dimensions (Ø x H) 120 x 25 mm Color white, ~RAL 9010 Accessories FDBZ291 Designation plate</p>	A5Q00001603
FDB293	<p>Base attachment humid</p> <p>For mounting in humid or wet environments, and when the detector-heating unit is used. 6 breakout plugs for screwed cable gland M20. For IP54 applications.</p>  <p>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</p>	A5Q00003945




Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Bases for Alarm Sounders, Alarm Sounder Beacon

Type	Order No.
DBZ1194 	BPZ:4677110001
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	
A5Q00004478 	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	
DBZ1193A 	BPZ:4864330001
Detector designation plate 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 or base attachment. Dimensions (W x H) 62 x 52 mm Color transparent Delivery unit 10 pieces	





Type	Order No.																																				
<p>DBS720</p> 	<p>S54319-F5-A1</p>																																				
<p>Sounder base</p> <p>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.</p> <p>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.</p> <p>Synchronized with all other alarm sounder and sounder beacon devices in the same detector line (C-NET).</p> <p>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.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>150 µA</td> </tr> <tr> <td>Alarm current</td> <td>1.2 mA</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 1.6 mm²</td> </tr> <tr> <td>Number of sounds</td> <td>11</td> </tr> <tr> <td>Sound intensity</td> <td>80... 88 dBA</td> </tr> <tr> <td>Ext. alarm indicator</td> <td>2</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +70 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP41 IP42 with detector base seal RS720</td> </tr> <tr> <td>System compatibility</td> <td>C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-3</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>175 x 117 x 29 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10203095</td> </tr> <tr> <td>Accessories</td> <td>FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	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	EN 54-3	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	
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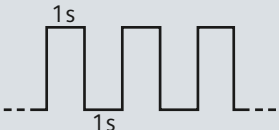

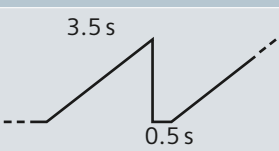
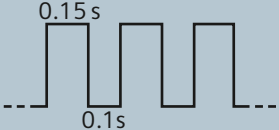
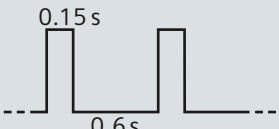



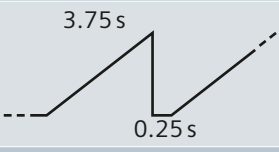

Fire Detection Network (C-NET) Peripherals

Alarm Equipment

Sounder Base for Automatic Detectors

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 mm ²
	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 mm ²
	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 FDS221 and FDS229 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		96 87 79	100 91 81	"alert" BS 5839 Part 1 1988
3	Sweep-down	1200 Hz – 500 Hz		96 87 79	100 91 80	DIN-Tone DIN33404 Part 3
4	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz		97 88 81	101 92 82	NEN2575 (Netherlands)
5	Pulse tone	500 Hz		94 85 75	97 88 75	Swedish Standard SS 03 17 11, No. 1 "Imminent Danger"
6	Intermittent	500 Hz		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		94 85 75	98 89 76	"French fire sound" NF S 32-001-1975
9	Intermittent	420 Hz		94 85 76	98 89 77	Australia "Alert" AS 2220 -1978
10	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz		96 89 81	100 93 82	Australia "Action" AS 2220 -1978
11	Intermittent	970 Hz		99 89 82	102 92 83	ISO 8201 US Temporal Tone LF

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

Fire Detection Network (C-NET) Peripherals


Addressable Modules

Line Separator

Type	Order No.																										
FDCL221	A5Q00004011																										
	<p>Line separator</p> <p>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.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>250 µA</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>transparent</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN54-17</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>44 x 47.5 x 10 mm</td> </tr> <tr> <td>Data sheet</td> <td>007065</td> </tr> <tr> <td>Accessories</td> <td>TS35_122 U-rail TS35_288 U-rail</td> </tr> </table>	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
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Fire Detection Network (C-NET) Peripherals
Addressable Modules
Line Separator





Type	Order No.																										
<p>FDCL221-M</p>  <p>Multi-line separator module</p> <p>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. The module can also be connected to 2 separate loops. For retrofitting of existing, collective systems to addressable Sinteso/Cerberus PRO fire detection systems.</p> <p>The module has total 9 separators. Each 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 connections for the detector lines, connections for the stub lines (T-taps), jumpers for programming of operation mode (1-loop or 2-loop mode), yellow LED for the status indication signals the short circuit separation.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>2.25 mA (9 x 250 µA) or 2 x 1 mA (4 x 250 µA)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % rel.</td> </tr> <tr> <td>Color</td> <td>housing white ~RAL9010 cover transparent, matt aux. housing FDCH221 white ~RAL9010</td> </tr> <tr> <td>Protection category</td> <td>IP30 with ext. housing FDCH221 -> IP65</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-17</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td></td> </tr> <tr> <td>Data sheet</td> <td>A6V10230308</td> </tr> <tr> <td>Accessories</td> <td>TS35_122 U-rail TS35_288 U-rail</td> </tr> </table> <p>Accessories</p>	Communication protocol	FDnet/C-NET	Operating voltage	12... 33 VDC	Quiescent current	2.25 mA (9 x 250 µA) or 2 x 1 mA (4 x 250 µA)	Operating temperature	-25... +70 °C	Storage temperature	-30... +75 °C	Relative humidity	≤95 % rel.	Color	housing white ~RAL9010 cover transparent, matt aux. housing FDCH221 white ~RAL9010	Protection category	IP30 with ext. housing FDCH221 -> IP65	System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720	Standard	EN 54-17	Dimensions (W x H x D)		Data sheet	A6V10230308	Accessories	TS35_122 U-rail TS35_288 U-rail	<p>S54312-F6-A1</p>
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<p>TS35_122</p>  <p>U-rail TS35/7.5/122</p> <p>Universal mounting rail (U-rail) enables mounting of various equipment.</p> <table border="0"> <tr> <td>Dimensions (W x H)</td> <td>35 x 122 mm</td> </tr> </table>	Dimensions (W x H)	35 x 122 mm	<p>BPZ:5644780001</p>																								
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<p>TS35_288</p>  <p>U-rail TS35/7.5/288</p> <p>Universal mounting rail (U-rail) enables mounting of various equipment.</p> <table border="0"> <tr> <td>Dimensions (W x H)</td> <td>35 x 288 mm</td> </tr> </table>	Dimensions (W x H)	35 x 288 mm	<p>BPZ:5644230001</p>																								
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Fire Detection Network (C-NET) Peripherals

Addressable Modules

Input Modules

Type	Order No.																												
<p>FDCI221</p> 	<p>S54312-F1-A1</p>																												
<p>Input module</p> <p>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.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>max. 0.3 mA</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm² (2.5 mm²)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010/transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP30 IP65 with aux. housing FDCH221</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20 C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-17, EN 54-18</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>95 x 71 x 23 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10202196</td> </tr> <tr> <td>Accessories</td> <td>TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</td> </tr> </table>	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	EN 54-17, EN 54-18	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	<p>A5Q00001984</p>
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<p>FDCI222</p> 	<p>A5Q00001984</p>																												
<p>Input module</p> <p>For the connection of 4 independent circuits of 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. Status indication by LED. Power supply via FDnet/C-NET. Input module incl. 8 resistors and 2 mounting feet for TS35 U-rail.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>0.25... 0.35 mA</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm² (2.5 mm²)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +60 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +65 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010/transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP30 IP65 with aux. housing FDCH221</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>CEA GEI 1-84, EN 54-17, EN 54-18</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>130 x 90 x 20 mm</td> </tr> <tr> <td>Data sheet</td> <td>007024</td> </tr> <tr> <td>Accessories</td> <td>TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</td> </tr> </table>	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, EN 54-17, EN 54-18	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	<p>A5Q00001984</p>
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Fire Detection Network (C-NET) Peripherals
Addressable Modules
Input/Output Modules




Type	Order No.																														
<p>FDCIO221</p> 	<p>S54312-F2-A1</p>																														
<p>Input/output module</p>																															
<p>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.</p>																															
<p>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).</p>																															
<p>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.</p>																															
<table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>max. 0.4 mA</td> </tr> <tr> <td>Relay output (volt-free)</td> <td>30 VAC, 2 A, max 60 VA 30 VDC, 2 A, max 60 W</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 2.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010/transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP30 IP65 with aux. housing FDCH221</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20 C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>EN 54-17, EN 54-18</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>95 x 71 x 23 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10202196</td> </tr> <tr> <td>Accessories</td> <td>TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</td> </tr> </table>	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	EN 54-17, EN 54-18	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	
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Fire Detection Network (C-NET) Peripherals

Addressable Modules

Input/Output Modules

Type		Order No.																																
FDCIO222	 <p>Input/output module</p> <p>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 (250 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.</p> <table><tr><td>Communication protocol</td><td>FDnet/C-NET</td></tr><tr><td>Operating voltage</td><td>12... 33 VDC</td></tr><tr><td>Quiescent current</td><td>0.6... 0.75 mA</td></tr><tr><td>Relay output (volt-free)</td><td>250 VAC, 4 A, max. 1000 VA 30 VDC, 4 A, max. 120 W</td></tr><tr><td>Cable capacity</td><td>0.2... 1.5 mm² (2.5 mm²)</td></tr><tr><td>Operating temperature</td><td>-25... +60 °C</td></tr><tr><td>Storage temperature</td><td>-30... +65 °C</td></tr><tr><td>Relative humidity</td><td>≤95 %</td></tr><tr><td>Color</td><td>white, ~RAL 9010/transparent matt</td></tr><tr><td>Protection category</td><td>IP30</td></tr><tr><td></td><td>IP65 with aux. housing FDCH221</td></tr><tr><td>System compatibility</td><td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td></tr><tr><td>Standard</td><td>CEA GEI 1-84, EN 54-17, EN 54-18</td></tr><tr><td>Dimensions (W x H x D)</td><td>130 x 90 x 20 mm</td></tr><tr><td>Data sheet</td><td>007024</td></tr><tr><td>Accessories</td><td>TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</td></tr></table>	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, EN 54-17, EN 54-18	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	A5Q00002369
Communication protocol	FDnet/C-NET																																	
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Fire Detection Network (C-NET) Peripherals
Addressable Modules
Input/Output Modules



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 (250 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, EN 54-17, EN 54-18
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

Fire Detection Network (C-NET) Peripherals

Addressable Modules

Input/Output Modules

Type	Order No.
<p>FDCIO223</p> 	<p>S24218-B102-A1</p>
<p>Input/output module 'Transponder'</p>	
<p>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.</p>	
<p>Power supply</p>	<p>External input voltage 18... 32 VDC</p>
<p>Communication protocol</p>	<p>FDnet/C-NET</p>
<p>Operating voltage</p>	<p>FDnet/C-NET 12... 33 VDC</p>
<p>Detector line</p>	<p>collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300, collective/SynoLINE600 or similar</p>
<p>Control output</p>	<p>24 VDC ± 5 % / 2 A</p>
<p>EOL resistor</p>	<p>3.3 kΩ/680 Ω, 2.7 kΩ/560 Ω, 3.3 kΩ</p>
<p>Cable capacity</p>	<p>0.2... 1.5 mm² (2.5 mm²)</p>
<p>Operating temperature</p>	<p>-25... +60 °C</p>
<p>Storage temperature</p>	<p>-30... +65 °C</p>
<p>Relative humidity</p>	<p>≤95 %</p>
<p>Color</p>	<p>white, ~RAL 9010/transparent matt</p>
<p>Protection category</p>	<p>IP30 IP65 with aux. housing FDCH221</p>
<p>System compatibility</p>	<p>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</p>
<p>Standard</p>	<p>CEA GEI I-084, EN 54-17, EN 54-18</p>
<p>Dimensions (W x H x D)</p>	<p>132 x 90 x 24 mm</p>
<p>Data sheet</p>	<p>009168</p>
<p>Accessories</p>	<p>TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</p>

Fire Detection Network (C-NET) Peripherals

Addressable Modules

Accessories for Input-, Input/Output Modules



Type		Order No.
TS35_122	<p>U-rail TS35/7.5/122</p> <p>Universal mounting rail (U-rail) enables mounting of various equipment.</p> <p>Dimensions (W x H) 35 x 122 mm</p>	BPZ:5644780001
TS35_288	<p>U-rail TS35/7.5/288</p> <p>Universal mounting rail (U-rail) enables mounting of various equipment.</p> <p>Dimensions (W x H) 35 x 288 mm</p>	BPZ:5644230001
FDCH221	<p>Housing for input/output modules</p> <p>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.</p> <p>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</p>	S54312-F3-A1
A5Q00004478	<p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
A5Q00004479	<p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p>	A5Q00004479
DBZ1190-AB	<p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm² Delivery unit 50 pieces</p>	BPZ:4942340001

Fire Detection Network (C-NET) Peripherals

Floor Repeater Panels, Mimic Display

Floor Repeater Terminals

Type	Order No.
FT2010-A1 	A5Q00014104
Floor repeater terminal	
<p>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.</p>	
<p>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.</p>	
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	EN 54-17, EN 54-18
System compatibility	FDnet -> FS20 C-NET -> FS720
Data sheet	009393
Accessories	FHA2013-A1 Rear (FT201x flat) FTO2005-C1 Key switch (Kaba)

Fire Detection Network (C-NET) Peripherals
Floor Repeater Panels, Mimic Display
Floor Repeater Terminals



Type

Order No.

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	EN 54-17, EN 54-18
System compatibility	FDnet -> FS20
	C-NET -> FS720
Data sheet	009393

Fire Detection Network (C-NET) Peripherals

Floor Repeater Panels, Mimic Display

Floor Repeater Display

Type	Order No.																																		
FT2011-A1 	A5Q00017706																																		
<p>Floor repeater display</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>12... 32 VDC</td> </tr> <tr> <td>Supply voltage</td> <td>20... 30 VDC</td> </tr> <tr> <td></td> <td>15... 18 VAC (external supply input)</td> </tr> <tr> <td>Current consumption</td> <td>5 mA @ 24 V (Quiescent current, LCD illumination inactive)</td> </tr> <tr> <td></td> <td>45 mA @ 24 V (max. current, LCD illumination active)</td> </tr> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Cable capacity</td> <td>0.8... 1.5 mm²</td> </tr> <tr> <td>Color</td> <td>grey, ~RAL 7035</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>282 x 207 x 79 mm</td> </tr> <tr> <td>Operating temperature</td> <td>-8... +42 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-20... +60 °C</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Standard</td> <td>EN54-17, EN54-18</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20 C-NET -> FS720</td> </tr> <tr> <td>Data sheet</td> <td>009393</td> </tr> <tr> <td>Accessories</td> <td>FHA2013-A1 Rear (FT201x flat)</td> </tr> </table>	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)	
Operating voltage	12... 32 VDC																																		
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Data sheet	009393																																		
Accessories	FHA2013-A1 Rear (FT201x flat)																																		
FHA2013-A1 	A5Q00016552																																		
<p>Rear (FT201x flat)</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>271 x 191 x 27.5 mm</td> </tr> <tr> <td>Material</td> <td>Zinc-plated sheet metal</td> </tr> </table>	Dimensions (W x H x D)	271 x 191 x 27.5 mm	Material	Zinc-plated sheet metal																															
Dimensions (W x H x D)	271 x 191 x 27.5 mm																																		
Material	Zinc-plated sheet metal																																		
FTO2005-C1 	A5Q00010113																																		
<p>Key switch (Kaba)</p> <p>Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).</p>																																			

Fire Detection Network (C-NET) Peripherals
Floor Repeater Panels, Mimic Display
Mimic Display Driver



Type

Order No.

FT2001-A1

Mimic display driver



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 (3 rd party housing)
Relative humidity	≤95 %
Standard	EN 54-17, EN 54-18
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



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
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A5Q00014417

BPZ:5291410001

Visual Parallel Alarm Indicators

Alarm Indicators

AI Series for C-NET Devices



Type	Order No.																				
FDAI91 	S54370-F9-A1																				
<p>Alarm indicator - Door frame</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>5... 8 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 35 mA</td> </tr> <tr> <td>Cable capacity</td> <td>max. 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>62 x 37 x 24 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276520</td> </tr> </table>	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 24 mm	Data sheet	A6V10276520			
Operating voltage	5... 8 VDC																				
Operating current	max. 35 mA																				
Cable capacity	max. 1.5 mm ²																				
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Relative humidity	≤95 %																				
Color	white, ~RAL 9010																				
Protection category	IP40																				
Dimensions (W x H x D)	62 x 37 x 24 mm																				
Data sheet	A6V10276520																				
FDAI92 	S54370-F3-A1																				
<p>Alarm indicator - Surface</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>5... 8 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 35 mA</td> </tr> <tr> <td>Cable capacity</td> <td>max. 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 28 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276520</td> </tr> <tr> <td>Accessories</td> <td>AI330 Adapter frame</td> </tr> </table>	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 28 mm	Data sheet	A6V10276520	Accessories	AI330 Adapter frame	
Operating voltage	5... 8 VDC																				
Operating current	max. 35 mA																				
Cable capacity	max. 1.5 mm ²																				
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Color	white, ~RAL 9010																				
Protection category	IP40																				
Dimensions (W x H x D)	85 x 85 x 28 mm																				
Data sheet	A6V10276520																				
Accessories	AI330 Adapter frame																				
FDAI93 	S54370-F5-A1																				
<p>Alarm indicator - Flush</p> <p>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 22.5 mm Ø mounting hole is drilled by the system owner. The holder must be fitted with an insulating cap for safety.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>6... 8 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 35 mA</td> </tr> <tr> <td>Cable capacity</td> <td>max. 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>transparent</td> </tr> <tr> <td>Protection category</td> <td>IP56 with DCA1191 IP65 with DJZ1193</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276520</td> </tr> <tr> <td>Accessories</td> <td>DCA1191 Housing (IP56)</td> </tr> </table>	Operating voltage	6... 8 VDC	Operating current	max. 35 mA	Cable capacity	max. 1.5 mm ²	Operating temperature	-25... +80 °C	Relative humidity	≤95 %	Color	transparent	Protection category	IP56 with DCA1191 IP65 with DJZ1193	Data sheet	A6V10276520	Accessories	DCA1191 Housing (IP56)			
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Accessories	DCA1191 Housing (IP56)																				

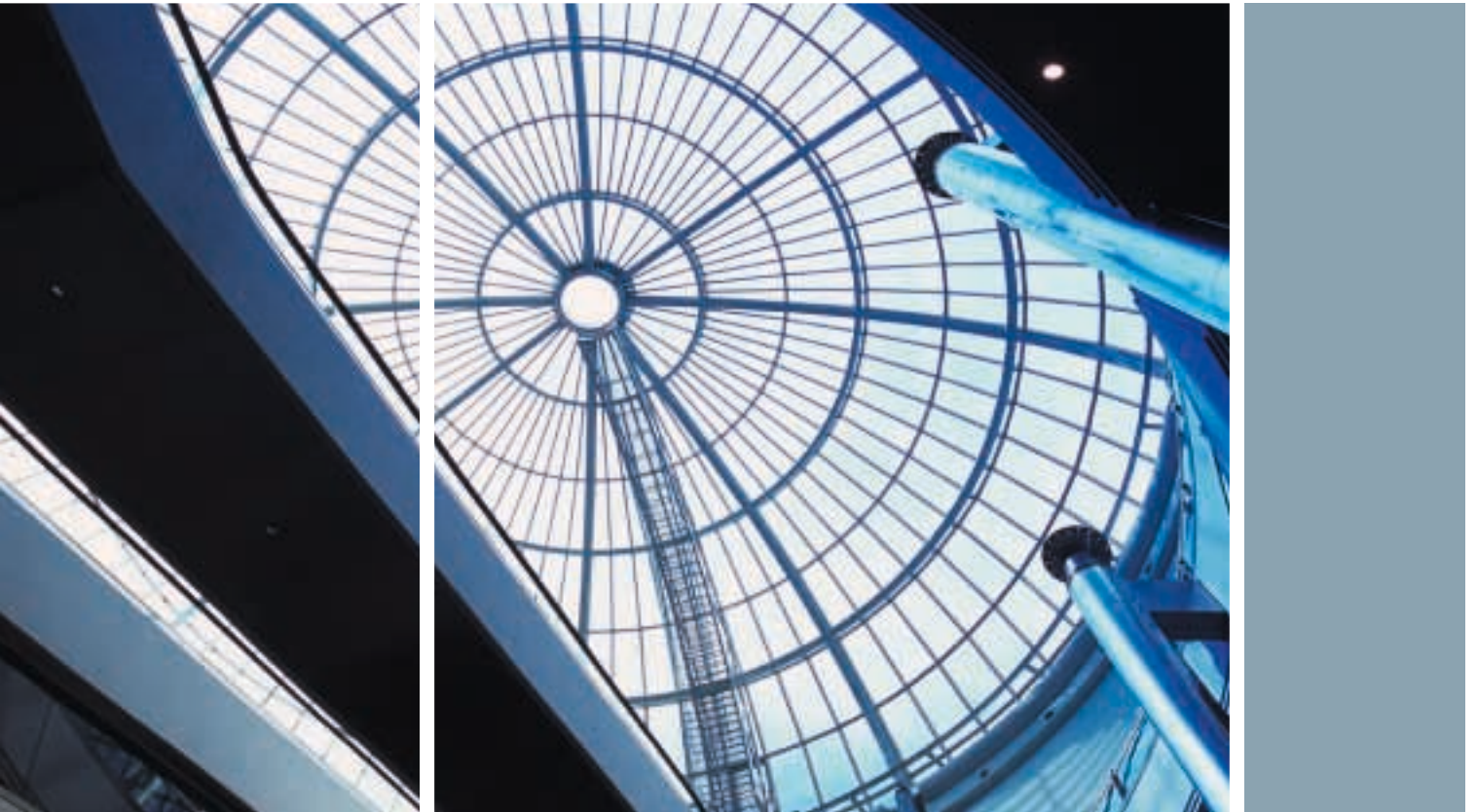
Visual Parallel Alarm Indicators

Alarm Indicators

AI Series for C-NET Devices



Type	Order No.																		
<p>FDCAI221</p>  <p>Addressable alarm indicator</p> <p>The addressable alarm indicator is connected 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 addressable alarm indicator contains an indicator lamp unit with two integral 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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>240... 400 μA</td> </tr> <tr> <td>Operating temperature</td> <td>-10... +55 °C</td> </tr> <tr> <td>Relative humidity</td> <td>\leq95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 32 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10244934</td> </tr> <tr> <td>Accessories</td> <td>AI330 Adapter frame</td> </tr> </table>	Operating voltage	12... 33 VDC	Quiescent current	240... 400 μ A	Operating temperature	-10... +55 °C	Relative humidity	\leq 95 %	Color	white, ~RAL 9010	Protection category	IP40	Dimensions (W x H x D)	85 x 85 x 32 mm	Data sheet	A6V10244934	Accessories	AI330 Adapter frame	<p>S54370-F10-A1</p>
Operating voltage	12... 33 VDC																		
Quiescent current	240... 400 μ A																		
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Dimensions (W x H x D)	85 x 85 x 32 mm																		
Data sheet	A6V10244934																		
Accessories	AI330 Adapter frame																		
<p>AI330</p>  <p>Adapter frame for alarm indicator</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 16 mm</td> </tr> </table>	Dimensions (W x H x D)	85 x 85 x 16 mm	<p>BPZ:3169430001</p>																
Dimensions (W x H x D)	85 x 85 x 16 mm																		



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



Fire Detection Collective Peripherals






Conventional Line SynoLINE300

Conventional Detectors Synova 300 Series

Type	Order No.																														
OOH740	S54320-F7-A3																														
	<p>Multi sensor smoke detector, ASA</p> <p>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.</p> <p>Works according to the scattered-light principle with two sensors, optical forward and backward scattering. Opto-electronic sampling chamber blocks disturbing extraneous light but optimally detects both dark and light smoke particles. Two additional heat sensors increase the fire detector's immunity to deceptive phenomena.</p> <p>The base must be ordered separately.</p> <p>Scope of delivery Detector and dust cap.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>C-NET or collective</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>~200...280 µA</td> </tr> <tr> <td>Ext. alarm indicator</td> <td>2</td> </tr> <tr> <td>Operating temperature</td> <td>-10... +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +55 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td></td> <td>IP43 with detector base seal RS720</td> </tr> <tr> <td>System compatibility</td> <td>FS720</td> </tr> <tr> <td>Standard</td> <td>CEA4021, EN 54-5, EN 54-7, EN 54-17</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 49 mm (incl. base)</td> </tr> <tr> <td>Data sheet</td> <td>A6V10284161</td> </tr> <tr> <td>Accessories</td> <td>LP720 Detector locking device</td> </tr> </table>	Communication protocol	C-NET or collective	Operating voltage	12... 33 VDC	Quiescent current	~200...280 µA	Ext. alarm indicator	2	Operating temperature	-10... +50 °C	Storage temperature	-30... +55 °C	Relative humidity	≤95 %	Color	white, ~RAL 9010	Protection category	IP40		IP43 with detector base seal RS720	System compatibility	FS720	Standard	CEA4021, EN 54-5, EN 54-7, EN 54-17	Dimensions (Ø x H)	117 x 49 mm (incl. base)	Data sheet	A6V10284161	Accessories	LP720 Detector locking device
Communication protocol	C-NET or collective																														
Operating voltage	12... 33 VDC																														
Quiescent current	~200...280 µA																														
Ext. alarm indicator	2																														
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Dimensions (Ø x H)	117 x 49 mm (incl. base)																														
Data sheet	A6V10284161																														
Accessories	LP720 Detector locking device																														
DB721	S54319-F11-A1																														
	<p>Detector base with loop contact</p> <p>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 mm². Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.</p> <p>For all point detectors of the series Cerberus PRO FD720.</p> <p>Back entry for recess supply wiring. 2 breakouts on the side for surface wiring of cables up to 8 mm in diameter. By using the detector base with loop contact (DB721) the detector line is not interrupted even if no point detector is mounted</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 1.6 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 23 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Accessories</td> <td>FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	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																						
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Accessories	FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm ² DBZ1190-AB Connection terminal 2.5 mm ²																														

Fire Detection Collective Peripherals
Conventional Line SynoLINE300
Conventional Detectors Synova 300 Series






Type		Order No.
	Accessories	
FDBZ291	<p>Designation plate</p> <p>To identify the location address for detector bases.</p> <p>Dimensions (W x H) 62 x 35 mm Color transparent Delivery unit 10 pieces</p>	A5Q00002621
		
RS720	<p>Detector base seal</p> <p>Seal for higher protection category. Compatible with base DB721 and sounder base DBS720. Not usable together with the designation plate FDBZ291.</p> <p>Dimensions (Ø x H) 119 x 6.5 mm Color transparent Delivery unit 10 pieces</p>	S54319-F8-A1
		
BA720	<p>Base attachment</p> <p>For the supply of surface-mounted tubes (max. 20 mm) and trunking (max. 25 mm x 15 mm). The detector base is fixed with a spring-loaded catch. Mounting slots 46... 90 mm.</p> <p>Color white, ~RAL 9010 Dimensions (Ø x H) 120 x 25 mm</p>	S54319-F20-A1
		
DBZ1190-AA	<p>Micro terminal 0.5 mm², 4-pole</p> <p>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.</p> <p>Cable capacity 0.28... 0.5 mm² Dimensions (W x H x D) 10 x 7 x 10 mm Delivery unit 50 pieces</p>	BPZ:4677080001
		
DBZ1190-AB	<p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>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</p>	BPZ:4942340001
		

Fire Detection Collective Peripherals

Conventional Line SynoLINE300

Conventional Detectors Synova 300 Series





Type	Order No.
<p>OP320C</p> 	<p>BPZ:5081460001</p>
<p>Optical smoke detector</p> <p>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.</p> <p>Operating voltage 16... 28 VDC Operating current no smoke max. 100 µA with smoke max. 170 µA</p> <p>Operating temperature -10... +55 °C Protection category IP44 Standard EN 54-7 Color white, ~RAL 9010 (can be sprayed a different color)</p> <p>Dimensions (Ø x H) 100 x 44 mm (incl. base) Delivery unit 2 pieces Data sheet 006801</p>	
<p>OH320C</p> 	<p>BPZ:5364190001</p>
<p>Smoke detector, conventional multi-sensor</p> <p>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.</p> <p>Operating voltage 16... 28 VDC Operating current no smoke max. 100 µA with smoke max. 170 µA</p> <p>Operating temperature -10... +55 °C Protection category IP44 Standard EN 54-7 Color white, ~RAL 9010 (can be sprayed a different color)</p> <p>Dimensions (Ø x H) 100 x 52 mm (incl. base) Delivery unit 2 pieces Data sheet 006886</p>	
<p>HI320C</p> 	<p>BPZ:5081590001</p>
<p>Heat detector (rate of rise and maximum)</p> <p>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.</p> <p>Operating voltage 16... 28 VDC Quiescent current max. 100 µA Operating temperature -10... +50 °C Protection category IP44 Standard EN 54-5: A1R Color white, ~RAL 9010 (can be sprayed a different color)</p> <p>Dimensions (Ø x H) 100 x 36 mm (incl. base) Delivery unit 2 pieces Data sheet 006885</p>	

Fire Detection Collective Peripherals


Conventional Line SynoLINE300

Conventional Detectors Synova 300 Series



Type	Order No.																		
<p>HI322C</p>  <p>Heat detector (maximum)</p> <p>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.</p> <p>The base SO320 must be ordered separately.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>16... 28 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>max. 100 µA</td> </tr> <tr> <td>Operating temperature</td> <td>-10... +50 °C</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>Standard</td> <td>EN54-5: A2</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010 (can be sprayed a different color)</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>100 x 36 mm (incl. base)</td> </tr> <tr> <td>Delivery unit</td> <td>2 pieces</td> </tr> <tr> <td>Data sheet</td> <td>006802</td> </tr> </table>	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	<p>BPZ:5316470001</p>
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																		
<p>SO320</p>  <p>Base for Synova 300 series detectors</p> <p>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.</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm²</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Delivery unit</td> <td>6 pieces</td> </tr> <tr> <td>Accessories</td> <td>SOA322 Base attachment for surface mounting TP320 Detector locking device</td> </tr> </table> <p>Accessories</p>	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	<p>BPZ:5085990001</p>										
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																		
<p>SOA322</p>  <p>Base attachment for surface mounting</p> <p>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 the base attachment SOA322. The base SO320 is mounted using a spring-loaded catch.</p> <table border="0"> <tr> <td>Dimensions (Ø x H)</td> <td>100 x 20 mm</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 2.5 mm²</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Delivery unit</td> <td>6 pieces</td> </tr> <tr> <td>Accessories</td> <td>DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	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	<p>BPZ:5358340001</p>								
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																		
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.</p> <p>Can easily be inserted.</p> <table border="0"> <tr> <td>Cable capacity</td> <td>1... 2.5 mm²</td> </tr> <tr> <td>Delivery unit</td> <td>50 pieces</td> </tr> </table>	Cable capacity	1... 2.5 mm ²	Delivery unit	50 pieces	<p>BPZ:4942340001</p>														
Cable capacity	1... 2.5 mm ²																		
Delivery unit	50 pieces																		

Fire Detection Collective Peripherals
Conventional Line SynoLINE300
Conventional Detectors Synova 300 Series

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

Fire Detection Collective Peripherals

Conventional Line SynoLINE300

Conventional Manual Call Points



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	EN 54-11
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

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	EN 54-11
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

Fire Detection Collective Peripherals

Conventional Line SynoLINE300

Conventional Manual Call Points

Type	Order No.
<p>FDMH295-R</p>  <p>Accessories</p> <p>Back box</p> <p>Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.</p> <p>Color red, ~RAL 3000 Dimensions (W x H x D) 87 x 87 x 33 Accessories A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm²</p>	A5Q00013437
<p>FDMH295-S</p>  <p>Back box with 2 entries</p> <p>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.</p> <p>Color red, ~RAL 3000 Dimensions (W x H x D) 87 x 87 x 33 Accessories DBZ1190-AB Connection terminal 2.5 mm²</p>	A5Q00013438
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
<p>A5Q00004479</p>  <p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p>	A5Q00004479
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm² Delivery unit 50 pieces</p>	BPZ:4942340001

Fire Detection Collective Peripherals
Conventional Line SynoLINE300
Conventional Manual Call Points



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

Fire Detection Collective Peripherals

Conventional Line SynoLINE300

Alarm Indicators for SynoLINE300

Type	Order No.																				
AI91C	S54370-F7-A1																				
	<p>Alarm indicator - Door frame</p> <p>The AI91C 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 AI91C is suitable for door frames.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>6... 28 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 35 mA</td> </tr> <tr> <td>Cable capacity</td> <td>max. 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>62 x 37 x 24</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276522</td> </tr> </table>	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 24	Color	white, ~RAL 9010	Data sheet	A6V10276522		
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 24																				
Color	white, ~RAL 9010																				
Data sheet	A6V10276522																				
AI92C	S54370-F8-A1																				
	<p>Alarm indicator - Surface</p> <p>The AI92C 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 AI92C is suitable for surface wall mounting.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>6... 28 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 35 mA</td> </tr> <tr> <td>Cable capacity</td> <td>max. 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 28 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276522</td> </tr> <tr> <td>Accessories</td> <td>AI330 Adapter frame</td> </tr> </table>	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 28 mm	Color	white, ~RAL 9010	Data sheet	A6V10276522	Accessories	AI330 Adapter frame
Operating voltage	6... 28 VDC																				
Operating current	max. 35 mA																				
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Color	white, ~RAL 9010																				
Data sheet	A6V10276522																				
Accessories	AI330 Adapter frame																				
AI330	BPZ:3169430001																				
	<p>Adapter frame for alarm indicator</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 16 mm</td> </tr> </table>	Dimensions (W x H x D)	85 x 85 x 16 mm																		
Dimensions (W x H x D)	85 x 85 x 16 mm																				

Fire Detection Collective Peripherals
 Collective Line SynoLINE600
 Collective Detectors AlgoRex Series








Type	Order No.																														
<p>OOH740</p>  <p>Multi sensor smoke detector, ASA</p> <p>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.</p> <p>Works according to the scattered-light principle with two sensors, optical forward and backward scattering. Opto-electronic sampling chamber blocks disturbing extraneous light but optimally detects both dark and light smoke particles. Two additional heat sensors increase the fire detector's immunity to deceptive phenomena.</p> <p>The base must be ordered separately.</p> <p>Scope of delivery Detector and dust cap.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>C-NET or collective</td> </tr> <tr> <td>Operating voltage</td> <td>12... 33 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>~200...280 µA</td> </tr> <tr> <td>Ext. alarm indicator</td> <td>2</td> </tr> <tr> <td>Operating temperature</td> <td>-10... +50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +55 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td></td> <td>IP43 with detector base seal RS720</td> </tr> <tr> <td>System compatibility</td> <td>FS720</td> </tr> <tr> <td>Standard</td> <td>CEA4021, EN 54-5, EN 54-7, EN 54-17</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 49 mm (incl. base)</td> </tr> <tr> <td>Data sheet</td> <td>A6V10284161</td> </tr> <tr> <td>Accessories</td> <td>LP720 Detector locking device</td> </tr> </table>	Communication protocol	C-NET or collective	Operating voltage	12... 33 VDC	Quiescent current	~200...280 µA	Ext. alarm indicator	2	Operating temperature	-10... +50 °C	Storage temperature	-30... +55 °C	Relative humidity	≤95 %	Color	white, ~RAL 9010	Protection category	IP40		IP43 with detector base seal RS720	System compatibility	FS720	Standard	CEA4021, EN 54-5, EN 54-7, EN 54-17	Dimensions (Ø x H)	117 x 49 mm (incl. base)	Data sheet	A6V10284161	Accessories	LP720 Detector locking device	<p>S54320-F7-A3</p>
Communication protocol	C-NET or collective																														
Operating voltage	12... 33 VDC																														
Quiescent current	~200...280 µA																														
Ext. alarm indicator	2																														
Operating temperature	-10... +50 °C																														
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Dimensions (Ø x H)	117 x 49 mm (incl. base)																														
Data sheet	A6V10284161																														
Accessories	LP720 Detector locking device																														
<p>DB721</p>  <p>Detector base with loop contact</p> <p>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 mm². Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.</p> <p>For all point detectors of the series Cerberus PRO FD720.</p> <p>Back entry for recess supply wiring. 2 breakouts on the side for surface wiring of cables up to 8 mm in diameter. By using the detector base with loop contact (DB721) the detector line is not interrupted even if no point detector is mounted</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 1.6 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 23 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Accessories</td> <td>FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table>	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	<p>S54319-F11-A1</p>																						
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																														

Fire Detection Collective Peripherals




Collective Line SynoLINE600

Collective Detectors AlgoRex Series

Type		Order No.
	Accessories	
FDBZ291	<p>Designation plate</p> <p>To identify the location address for detector bases.</p> <p>Dimensions (W x H) 62 x 35 mm Color transparent Delivery unit 10 pieces</p>	A5Q00002621
		
RS720	<p>Detector base seal</p> <p>Seal for higher protection category. Compatible with base DB721 and sounder base DBS720. Not usable together with the designation plate FDBZ291.</p> <p>Dimensions (Ø x H) 119 x 6.5 mm Color transparent Delivery unit 10 pieces</p>	S54319-F8-A1
		
BA720	<p>Base attachment</p> <p>For the supply of surface-mounted tubes (max. 20 mm) and trunking (max. 25 mm x 15 mm). The detector base is fixed with a spring-loaded catch. Mounting slots 46... 90 mm.</p> <p>Color white, ~RAL 9010 Dimensions (Ø x H) 120 x 25 mm</p>	S54319-F20-A1
		
DBZ1190-AA	<p>Micro terminal 0.5 mm², 4-pole</p> <p>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.</p> <p>Cable capacity 0.28... 0.5 mm² Dimensions (W x H x D) 10 x 7 x 10 mm Delivery unit 50 pieces</p>	BPZ:4677080001
		
DBZ1190-AB	<p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>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</p>	BPZ:4942340001
		

Fire Detection Collective Peripherals
Collective Line SynoLINE600
Collective Detectors AlgoRex Series



Type	Order No.																
<p>DO1101A</p>  <p>Smoke detector, collective wide spectrum</p> <p>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.</p> <table border="0"> <tr><td>Operating voltage</td><td>16... 24 VDC</td></tr> <tr><td>Quiescent current</td><td>max. 100 µA</td></tr> <tr><td>Operating temperature</td><td>-25... +60 °C</td></tr> <tr><td>Protection category</td><td>IP44</td></tr> <tr><td>Standard</td><td>EN 54-7</td></tr> <tr><td>Dimensions (Ø x H)</td><td>115 x 51 mm (incl. base)</td></tr> <tr><td>Color</td><td>white, ~RAL 9010</td></tr> <tr><td>Data sheet</td><td>001578</td></tr> </table>	Operating voltage	16... 24 VDC	Quiescent current	max. 100 µA	Operating temperature	-25... +60 °C	Protection category	IP44	Standard	EN 54-7	Dimensions (Ø x H)	115 x 51 mm (incl. base)	Color	white, ~RAL 9010	Data sheet	001578	<p>BPZ:4930020001</p>
Operating voltage	16... 24 VDC																
Quiescent current	max. 100 µA																
Operating temperature	-25... +60 °C																
Protection category	IP44																
Standard	EN 54-7																
Dimensions (Ø x H)	115 x 51 mm (incl. base)																
Color	white, ~RAL 9010																
Data sheet	001578																
<p>DT1101A</p>  <p>Heat detector</p> <p>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.</p> <table border="0"> <tr><td>Operating voltage</td><td>16... 24 VDC</td></tr> <tr><td>Quiescent current</td><td>max. 100 µA</td></tr> <tr><td>Operating temperature</td><td>-25... +50 °C</td></tr> <tr><td>Protection category</td><td>IP44</td></tr> <tr><td>Standard</td><td>EN 54-5: A1R</td></tr> <tr><td>Dimensions (Ø x H)</td><td>115 x 54.5 mm (incl. base)</td></tr> <tr><td>Color</td><td>white, ~RAL 9010</td></tr> <tr><td>Data sheet</td><td>001578</td></tr> </table>	Operating voltage	16... 24 VDC	Quiescent current	max. 100 µA	Operating temperature	-25... +50 °C	Protection category	IP44	Standard	EN 54-5: A1R	Dimensions (Ø x H)	115 x 54.5 mm (incl. base)	Color	white, ~RAL 9010	Data sheet	001578	<p>BPZ:4931700001</p>
Operating voltage	16... 24 VDC																
Quiescent current	max. 100 µA																
Operating temperature	-25... +50 °C																
Protection category	IP44																
Standard	EN 54-5: A1R																
Dimensions (Ø x H)	115 x 54.5 mm (incl. base)																
Color	white, ~RAL 9010																
Data sheet	001578																
<p>DT1102A</p>  <p>Heat detector</p> <p>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.</p> <table border="0"> <tr><td>Operating voltage</td><td>16... 24 VDC</td></tr> <tr><td>Quiescent current</td><td>max. 100 µA</td></tr> <tr><td>Operating temperature</td><td>-25... +70 °C</td></tr> <tr><td>Protection category</td><td>IP44</td></tr> <tr><td>Standard</td><td>EN 54-5: B</td></tr> <tr><td>Dimensions (Ø x H)</td><td>115 x 54.5 mm (incl. base)</td></tr> <tr><td>Color</td><td>white, ~RAL 9010</td></tr> <tr><td>Data sheet</td><td>001578</td></tr> </table>	Operating voltage	16... 24 VDC	Quiescent current	max. 100 µA	Operating temperature	-25... +70 °C	Protection category	IP44	Standard	EN 54-5: B	Dimensions (Ø x H)	115 x 54.5 mm (incl. base)	Color	white, ~RAL 9010	Data sheet	001578	<p>BPZ:4931830001</p>
Operating voltage	16... 24 VDC																
Quiescent current	max. 100 µA																
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Protection category	IP44																
Standard	EN 54-5: B																
Dimensions (Ø x H)	115 x 54.5 mm (incl. base)																
Color	white, ~RAL 9010																
Data sheet	001578																

Fire Detection Collective Peripherals
Collective Line SynoLINE600
Collective Detectors AlgoRex Series

Type	Order No.										
<p>DB1101A</p>  <p>Base for collective detector series</p> <p>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 mm²) and connection terminals (2.5 mm²). Fits all standard flush-mounted boxes from 55 to 80 mm.</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 2.5 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>115 x 21 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Data sheet</td> <td>001035</td> </tr> <tr> <td>Accessories</td> <td> 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 mm² DBZ1190-AA Micro terminal 0.5 mm² </td> </tr> </table>	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	<p>BPZ:4863650001</p>
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										
<p>DBZ1191</p>  <p>Base attachment for surface mounting</p> <p>For surface wiring feed and provision of more wire loop space. Bases are mounted using a spring-loaded catch.</p> <table border="0"> <tr> <td>Dimensions (Ø x H)</td> <td>116 x 22 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Delivery unit</td> <td>5 pieces</td> </tr> </table>	Dimensions (Ø x H)	116 x 22 mm	Color	white, ~RAL 9010	Delivery unit	5 pieces	<p>BPZ:4540830001</p>				
Dimensions (Ø x H)	116 x 22 mm										
Color	white, ~RAL 9010										
Delivery unit	5 pieces										
<p>DBZ1191A-AA</p>  <p>Base attachment flat for surface mounting</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (Ø x H)</td> <td>116 x 11 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Delivery unit</td> <td>10 pieces</td> </tr> </table>	Dimensions (Ø x H)	116 x 11 mm	Color	white, ~RAL 9010	Delivery unit	10 pieces	<p>BPZ:5011270001</p>				
Dimensions (Ø x H)	116 x 11 mm										
Color	white, ~RAL 9010										
Delivery unit	10 pieces										

Fire Detection Collective Peripherals
 Collective Line SynoLINE600
 Collective Detectors AlgoRex Series



Type	Order No.
<p>DBZ1192</p> <p>Base attachment for humid environment</p> <p>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.</p>  <p>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</p>	<p>BPZ:4588140001</p>
<p>DBZ1194</p> <p>Protective cage</p> <p>To protect the detector from damage. Can only be used together with the base attachment humid.</p>  <p>Dimensions (Ø x H) 160 x 126 mm</p>	<p>BPZ:4677110001</p>
<p>A5Q00004478</p> <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p>  <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>DBZ1192-AA</p> <p>Base attachment for wet environment</p> <p>As DBZ1192 but for IP55 protection for heat detectors DT110xA only.</p>  <p>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</p>	<p>BPZ:5355590001</p>

Fire Detection Collective Peripherals

Collective Line SynoLINE600

Collective Detectors AlgoRex Series

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

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 mm ²
Delivery unit	50 pieces

Fire Detection Collective Peripherals
 Collective Line SynoLINE600
 Collective Detectors AlgoRex Series





Type	Order No.
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm² Delivery unit 50 pieces</p>	BPZ:4942340001
<p>DBZ1190</p>  <p>Locking device</p> <p>To protect the detector from theft.</p> <p>Delivery unit 50 pieces</p>	BPZ:4585260001
<p>DBZ1190A-AC</p>  <p>Detector heating</p> <p>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.</p> <p>Operating voltage 20... 30 VDC Operating current 35... 55 mA Operating temperature -30... +40 °C</p>	BPZ:5167850001
<p>DBZ1193A</p>  <p>Detector designation plate</p> <p>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 or base attachment.</p> <p>Color transparent Delivery unit 10 pieces</p>	BPZ:4864330001

Fire Detection Collective Peripherals






Collective Line SynoLINE600

Collective Manual Call Points

Type	Order No.																										
FDM1101-RG 	S54371-F6-A1																										
<p>Manual call point with glass plate</p> <p>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.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>collective/SynoLINE600</td> </tr> <tr> <td>Operating voltage</td> <td>16... 28 VDC</td> </tr> <tr> <td>Operating current</td> <td>60... 100 mA</td> </tr> <tr> <td>Terminal block</td> <td>0.28... 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>Standard</td> <td>EN 54-11</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 87 x 20 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10206486</td> </tr> <tr> <td>Accessories</td> <td>FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover</td> </tr> </table>	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	EN 54-11	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	
Communication protocol	collective/SynoLINE600																										
Operating voltage	16... 28 VDC																										
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Accessories	FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover																										
FDM1101-RP 	S54371-F6-A2																										
<p>Manual call point with resettable plastic element</p> <p>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.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>collective/SynoLINE600</td> </tr> <tr> <td>Operating voltage</td> <td>16... 28 VDC</td> </tr> <tr> <td>Operating current</td> <td>60... 100 mA</td> </tr> <tr> <td>Terminal block</td> <td>0.28... 1.5 mm²</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % (no condensation)</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> <tr> <td>Standard</td> <td>EN 54-11</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>87 x 87 x 20 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10206486</td> </tr> <tr> <td>Accessories</td> <td>FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover</td> </tr> </table>	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	EN 54-11	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	
Communication protocol	collective/SynoLINE600																										
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Accessories	FDMH295-R housing base FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover																										

Fire Detection Collective Peripherals
 Collective Line SynoLINE600
 Collective Manual Call Points






Type	Order No.
<p>FDMH295-R</p>  <p>Accessories</p> <p>Back box</p> <p>Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.</p> <p>Color red, ~RAL 3000 Dimensions (W x H x D) 87 x 87 x 33 Accessories A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm²</p>	A5Q00013437
<p>FDMH295-S</p>  <p>Back box with 2 entries</p> <p>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.</p> <p>Color red, ~RAL 3000 Dimensions (W x H x D) 87 x 87 x 33 Accessories DBZ1190-AB Connection terminal 2.5 mm²</p>	A5Q00013438
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
<p>A5Q00004479</p>  <p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p>	A5Q00004479
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm² Delivery unit 50 pieces</p>	BPZ:4942340001

Fire Detection Collective Peripherals

Collective Line SynoLINE600





Collective Manual Call Points

Type	Order No.
FDMC295 	A5Q00013440
<p>Protective cover</p> <p>The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.</p> <p>Color transparent Delivery unit 10 pieces</p>	
DM1101__ 	DM1101__
<p>Collective manual call point</p> <p>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.</p> <p>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</p> <p>Products to select from</p> <p>FDMH291-R See Page 5-8,7-17 FDMH291-B See Page 5-8,5-9,7-17,7-18 FDMH291-G See Page 5-8,5-9,7-17,7-18 FDMH291-Y See Page 5-8,7-17,7-18 DMA1101 See Page 7-17,7-18</p>	
FDMH291-R 	A5Q00002217
<p>Housing red with key</p> <p>Housing with key for electronic unit.</p> <p>Color red, ~RAL 3000</p>	

Fire Detection Collective Peripherals

Collective Line SynoLINE600

Collective Manual Call Points

Type		Order No.
	<p>Accessories</p>	
FDMC291	<p>Protective cover</p> <p>The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x.</p> <p>Delivery unit 5 pieces</p> 	A5Q00001644
A5Q00004478	<p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p> 	A5Q00004478
A5Q00004479	<p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p> 	A5Q00004479
DM1104__	<p>Collective manual call point</p> <p>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.</p> <p>Operating temperature -25... +70 °C</p> <p>Protection category IP54 (IP65 with protection seal and screwed cable gland)</p> <p>Standard EN 54-11</p> <p>Dimensions (W x H x D) 134 x 134 x 43 mm</p> <p>Data sheet 007980</p> <p>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)</p> <p>Products to select from</p> <p>DMA1192-AA See Page 7-19,7-21,9-33,9-34</p> <p>DMA1192-AB See Page 7-19,7-21</p> <p>DMA1192-AC See Page 7-19,7-21</p> <p>DMA1192-AD See Page 7-19,7-21</p> <p>DMA1104D See Page 7-19,7-20,9-34</p> 	DM1104__

Fire Detection Collective Peripherals

Collective Line SynoLINE600

Collective Manual Call Points



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	EN 54-11
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 7-20,9-33
DMA1192-AA	See Page 7-19,7-21,9-33,9-34
DMA1192-AB	See Page 7-19,7-21
DMA1192-AC	See Page 7-19,7-21
DMA1192-AD	See Page 7-19,7-21

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

Fire Detection Collective Peripherals

Collective Line SynoLINE600

Collective Manual Call Points



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

Fire Detection Collective Peripherals

Collective Line SynoLINE600

Collective Manual Call Points

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

Fire Detection Collective Peripherals
Collective Line SynoLINE600
Alarm Indicators for SynoLINE600








Type	Order No.
<p>FDAI91</p>  <p>Alarm indicator - Door frame</p> <p>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.</p> <p>Operating voltage 5... 8 VDC Operating current max. 35 mA Cable capacity max. 1.5 mm² 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 24 mm Data sheet A6V10276520</p>	<p>S54370-F9-A1</p>
<p>FDAI92</p>  <p>Alarm indicator - Surface</p> <p>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.</p> <p>Operating voltage 5... 8 VDC Operating current max. 35 mA Cable capacity max. 1.5 mm² 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 28 mm Data sheet A6V10276520 Accessories AI330 Adapter frame</p>	<p>S54370-F3-A1</p>
<p>AI330</p>  <p>Adapter frame for alarm indicator</p> <p>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.</p> <p>Dimensions (W x H x D) 85 x 85 x 16 mm</p>	<p>BPZ:3169430001</p>




Fire Detection Collective Peripherals

Collective Line SynoLINE600


Alarm Indicators for SynoLINE600

Type	Order No.	
FDAI93 	<p>Alarm indicator - Flush</p> <p>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 22.5 mm Ø mounting hole is drilled by the system owner. The holder must be fitted with an insulating cap for safety.</p> <p>Operating voltage 6... 8 VDC Operating current max. 35 mA Cable capacity max. 1.5 mm² Operating temperature -25... +80 °C Relative humidity ≤95 % Color transparent Protection category IP56 with DCA1191 IP65 with DJZ1193</p> <p>Data sheet A6V10276520 Accessories DCA1191 Housing (IP56)</p>	S54370-F5-A1
DCA1191 	<p>Housing (empty)</p> <p>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.</p> <p>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</p>	BPZ:4588560001
BPZ:2473130001 	<p>Washer</p> <p>Washer for alarm indicator model recess mounting. The washer can be used for applications in humid rooms.</p> <p>Dimensions (Ø x D) 23 x 1 mm</p>	BPZ:2473130001
A5Q00004478 	<p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
DJZ1193 	<p>Alarm indicator housing incl. washer</p> <p>For surface mounting in wet areas. 1 alarm indicator can be built into the housing.</p> <p>Dimensions (W x H x D) 87 x 87 x 64 mm Color white, ~RAL 9010 Protection category IP65</p>	BPZ:5302950001

Conventional Alarm Equipment Sounders

Type	Order No.																								
AGN24.6 	BPZ:5371170001																								
<p>Alarm device</p> <p>The alarm sounder is the most popular fire sounder for inside and outdoor 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.</p> <p>The adapter base ZS/AGN24.5 for IP65 must be ordered separately.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>9... 30 VDC</td> </tr> <tr> <td>Alarm current</td> <td>18 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Number of sounds</td> <td>28</td> </tr> <tr> <td>Frequency range</td> <td>500... 4000 Hz</td> </tr> <tr> <td>Volume at 24 V and 1 m</td> <td>92.. 111 dB</td> </tr> <tr> <td>Cable capacity</td> <td>0.28... 1.5 mm²</td> </tr> <tr> <td>Protection category</td> <td>IP54</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>93 x 63 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9003</td> </tr> <tr> <td>Data sheet</td> <td>001790</td> </tr> <tr> <td>Accessories</td> <td>ZS/AGN24.5 Adapter base for IP65</td> </tr> </table>	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 D)	93 x 63 mm	Color	white, ~RAL 9003	Data sheet	001790	Accessories	ZS/AGN24.5 Adapter base for IP65	
Operating voltage	9... 30 VDC																								
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Data sheet	001790																								
Accessories	ZS/AGN24.5 Adapter base for IP65																								
ZS/AGN24.5 	BPZ:4242620001																								
<p>Adapter base</p> <p>The ZS/AGN24.5 adapter base is used to upgrade the alarm device AGN24.6 and ALB24.. to IP65.</p> <table border="0"> <tr> <td>Dimensions (Ø x D)</td> <td>93 x 30 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9003</td> </tr> <tr> <td>Protection category</td> <td>IP65</td> </tr> <tr> <td>Data sheet</td> <td>001790</td> </tr> </table>	Dimensions (Ø x D)	93 x 30 mm	Color	white, ~RAL 9003	Protection category	IP65	Data sheet	001790																	
Dimensions (Ø x D)	93 x 30 mm																								
Color	white, ~RAL 9003																								
Protection category	IP65																								
Data sheet	001790																								
AGT24.1 	BPZ:5371040001																								
<p>Alarm device</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>9... 30 VDC</td> </tr> <tr> <td>Alarm current</td> <td>3... 15 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +85 °C</td> </tr> <tr> <td>Number of sounds</td> <td>4</td> </tr> <tr> <td>Frequency range</td> <td>510... 970 Hz</td> </tr> <tr> <td>Volume at 24 V and 1 m</td> <td>86... 97 dB</td> </tr> <tr> <td>Cable capacity</td> <td>0.28... 1.5 mm²</td> </tr> <tr> <td>Protection category</td> <td>IP42</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>110 x 35 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9003</td> </tr> <tr> <td>Data sheet</td> <td>001790</td> </tr> </table>	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 D)	110 x 35 mm	Color	white, ~RAL 9003	Data sheet	001790			
Operating voltage	9... 30 VDC																								
Alarm current	3... 15 mA																								
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Protection category	IP42																								
Dimensions (Ø x D)	110 x 35 mm																								
Color	white, ~RAL 9003																								
Data sheet	001790																								



Type	Order No.
<p>AGS24.5</p> 	<p>BPZ:2785020001</p>
<p>Mallory buzzer</p>	
<p>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).</p>	
<p>Operating voltage</p>	<p>18... 36 VDC</p>
<p>Alarm current</p>	<p>12 mA</p>
<p>Operating temperature</p>	<p>-20... +40 °C</p>
<p>Number of sounds</p>	<p>1</p>
<p>Frequency range</p>	<p>2900 Hz</p>
<p>Volume at 24 V and 1 m</p>	<p>80 dB</p>
<p>Cable capacity</p>	<p>0.28... 1.5 mm²</p>
<p>Protection category</p>	<p>IP20</p>
<p>Dimensions (Ø x D)</p>	<p>56 x 52 mm</p>
<p>Color</p>	<p>black</p>
<p>Data sheet</p>	<p>001790</p>

Conventional Alarm Equipment

Optical Signaling Equipment

Type	Order No.																				
<p>ALB24.1OR</p>  <p>Flashing signal lamp 'orange'</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>20... 30 VDC</td> </tr> <tr> <td>Alarm current</td> <td>155 mA (3.7 W)</td> </tr> <tr> <td>Operating temperature</td> <td>-20... +55 °C</td> </tr> <tr> <td>Frequency range</td> <td>ca. 1 Hz (60/min.)</td> </tr> <tr> <td>Flash energie</td> <td>2 Joule</td> </tr> <tr> <td>Cable capacity</td> <td>1.5 mm²</td> </tr> <tr> <td>Protection category</td> <td>IP54</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>93 x 75 mm</td> </tr> <tr> <td>Data sheet</td> <td>001570</td> </tr> <tr> <td>Accessories</td> <td>ZS/AGN24.5 Adapter base for IP65</td> </tr> </table>	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 D)	93 x 75 mm	Data sheet	001570	Accessories	ZS/AGN24.5 Adapter base for IP65	<p>BPZ:5154140001</p>
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 D)	93 x 75 mm																				
Data sheet	001570																				
Accessories	ZS/AGN24.5 Adapter base for IP65																				
<p>ALB24.1R</p>  <p>Flashing signal lamp 'red'</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>20... 30 VDC</td> </tr> <tr> <td>Alarm current</td> <td>155 mA (3.7 W)</td> </tr> <tr> <td>Operating temperature</td> <td>-20... +55 °C</td> </tr> <tr> <td>Frequency range</td> <td>ca. 1 Hz (60/min.)</td> </tr> <tr> <td>Flash energie</td> <td>2 Joule</td> </tr> <tr> <td>Cable capacity</td> <td>1.5 mm²</td> </tr> <tr> <td>Protection category</td> <td>IP54</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>93 x 75 mm</td> </tr> <tr> <td>Data sheet</td> <td>001570</td> </tr> <tr> <td>Accessories</td> <td>ZS/AGN24.5 Adapter base for IP65</td> </tr> </table>	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 D)	93 x 75 mm	Data sheet	001570	Accessories	ZS/AGN24.5 Adapter base for IP65	<p>BPZ:5154270001</p>
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																				
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Dimensions (Ø x D)	93 x 75 mm																				
Data sheet	001570																				
Accessories	ZS/AGN24.5 Adapter base for IP65																				
<p>ZS/AGN24.5</p>  <p>Adapter base</p> <p>The ZS/AGN24.5 adapter base is used to upgrade the alarm device AGN24.6 and ALB24.. to IP65.</p> <table border="0"> <tr> <td>Dimensions (Ø x D)</td> <td>93 x 30 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9003</td> </tr> <tr> <td>Protection category</td> <td>IP65</td> </tr> <tr> <td>Data sheet</td> <td>001790</td> </tr> </table>	Dimensions (Ø x D)	93 x 30 mm	Color	white, ~RAL 9003	Protection category	IP65	Data sheet	001790	<p>BPZ:4242620001</p>												
Dimensions (Ø x D)	93 x 30 mm																				
Color	white, ~RAL 9003																				
Protection category	IP65																				
Data sheet	001790																				



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

Special Applications

Special Detectors

Infrared Flame Detectors

Type	Order No.																								
<p>FD_</p>  <p>Infrared flame detector</p> <p>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.</p> <p>Can be used as an addressable, collective or conventional device. The detector unit FDF2x1-9 and the base FDFB291 must be ordered separately.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>FDnet/C-NET, collective, conventional</td> </tr> <tr> <td>Ext. alarm indicator</td> <td>2</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720 collective, conventional -> CZ10, BC10, FC10, XC10, CS11, FC700A, FC330A, SIGMASYS, BMS, SM80/88/D100</td> </tr> <tr> <td>Standard</td> <td>EN54-10, EN54-17</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 135 x 77 mm</td> </tr> <tr> <td>Data sheet</td> <td>007012</td> </tr> <tr> <td>Accessories</td> <td>DFZ1190 Rain hood MV1 Mounting bracket MWV1 Ball and socket joint</td> </tr> </table> <p>Products to select from</p> <table border="0"> <tr> <td>FDF221-9</td> <td>See Page 9-2</td> </tr> <tr> <td>FDF241-9</td> <td>See Page 9-2,9-3</td> </tr> <tr> <td>FDFB291</td> <td>See Page 9-2,9-3</td> </tr> </table>	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	FDF221-9	See Page 9-2	FDF241-9	See Page 9-2,9-3	FDFB291	See Page 9-2,9-3	<p>FD_</p>
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																								
FDF221-9	See Page 9-2																								
FDF241-9	See Page 9-2,9-3																								
FDFB291	See Page 9-2,9-3																								
<p>FDF221-9</p>  <p>DA Infrared flame detector unit (1 sensor)</p> <p>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.</p> <p>1 infrared sensor with detection algorithms.</p> <p>The base FDFB291 must be ordered separately.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>FDnet/C-NET-> 12... 33 VDC collective/conv. -> 16... 28 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>FDnet/C-NET -> 0.7 mA collective/conv. -> 0.5 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-40... +75 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 135 x 32 mm</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> </table>	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	<p>A5Q0003902</p>												
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																								

Special Applications
Special Detectors
Infrared Flame Detectors





Type	Order No.												
<p>fdf241-9</p>  <p>ASA Infrared flame detector unit (3 sensors)</p> <p>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 ASAtechnology™. The base FDFB291 must be ordered separately.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>FDnet/C-NET -> 12... 33 VDC collective/conv. -> 14... 28 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>FDnet/C-NET -> 0.7 mA collective/conv. -> 0.5 mA</td> </tr> <tr> <td>Operating temperature</td> <td>-35... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-40... +75 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 135 x 32 mm</td> </tr> <tr> <td>Protection category</td> <td>IP67</td> </tr> </table>	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	<p>A5Q00003006</p>
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												
<p>FDFB291</p>  <p>Base for infrared flame detectors FDF2x1-9</p> <p>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.</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm² (AWG24... 15)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>135 x 135 x 45 mm</td> </tr> <tr> <td>Accessories</td> <td>A5Q00004478 Screwed cable gland M20</td> </tr> </table>	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	<p>A5Q00003310</p>						
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												
<p>DFZ1190</p>  <p>Rain hood</p> <p>Rain hood for the infrared flame detector for outdoor applications.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>150 x 165 x 130 mm</td> </tr> </table>	Dimensions (W x H x D)	150 x 165 x 130 mm	<p>BPZ:5302660001</p>										
Dimensions (W x H x D)	150 x 165 x 130 mm												
<p>MV1</p>  <p>Mounting bracket</p> <p>The mounting bracket for volumetric surveillance, fixes the infrared flame detector at the right angle.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>136 x 120 x 120 mm</td> </tr> </table>	Dimensions (W x H x D)	136 x 120 x 120 mm	<p>BPZ:3950450001</p>										
Dimensions (W x H x D)	136 x 120 x 120 mm												

Special Applications

Special Detectors

Infrared Flame Detectors

Type	Order No.
<p>MWV1</p>  <p>Ball and socket joint</p> <p>Ball and socket joint for the infrared flame detector for the orientation to a defined object.</p> <p>Dimensions (H x W x D) 120 x 164 x 118 mm</p>	BPZ:3674840001
<p>LE3</p>  <p>Test lamp for flame detectors</p> <p>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.</p> <p>The battery FA2003-A1 must be ordered separately.</p> <p>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</p>	BPZ:3669510001

Special Applications
Special Detectors
Linear Smoke Detectors



Type

Order No.

FDL__

ASA Linear smoke detector



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 9-5,9-6
FDLB291	See Page 9-5,9-6

FDL__

Special Applications

Special Detectors

Linear Smoke Detectors

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 pre-defined 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. -> 14... 28 VDC
Quiescent current	0.8 mA / 0.7 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	BPZ:4787710001
	<p>Reflector for long distance (prism)</p> <p>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.</p> <p>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.</p> <p>Detector heating equipped, external power supply 24 VDC is required</p> <p>Dimensions (W x H x D) 135 x 135 x 65 mm</p> <p>Color white, ~RAL 9010</p> <p>Accessories A5Q00004478 Screwed cable gland M20</p>
DLR1192	BPZ:4788490001
	<p>Reflector for middle distance (foil)</p> <p>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.</p> <p>Dimensions (W x H x D) 200 x 200 x 2.5 mm</p>
DLR1193	BPZ:4787840001
	<p>Reflector for short distance (foil)</p> <p>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.</p> <p>Dimensions (W x H x D) 100 x 100 x 2.5 mm</p>
A5Q00004478	A5Q00004478
	<p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>
DLF1191-AA	BPZ:4933030001
	<p>Filter for short distances (7... 10 m)</p> <p>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.</p>

Special Applications

Special Detectors

Linear Smoke Detectors

Type		Order No.
DLF1191-AB	<p>Filter for short distances (5... 8 m)</p>  <p>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.</p>	BPZ:4933160001
DLF1191-AC	<p>Filter against external light influences</p>  <p>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).</p>	BPZ:5221480001
DLH1191A	<p>Detector heating</p>  <p>Enables operation of a linear smoke detector where there is a risk of condensation. 24 VDC external power supply is necessary.</p> <p>Operating voltage 20... 30 VDC Operating current 30... 50 mA</p>	BPZ:4787970001
FDLU291	<p>Adjustment device set for linear smoke detector</p>  <p>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.</p>	A5Q00004905
RE10	<p>Detector tester for linear smoke detectors</p>  <p>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.</p> <p>Data sheet Synova, AlgoRex -> 001164 Sinteso -> 007228 Cerberus PRO -> A6V10203222</p> <p>Accessories TF04 Alarm test filter FDUM291 Telescope rod FDUM292 Telescope rod</p>	BPZ:3685190001

Special Applications
Special Detectors
Linear Smoke Detectors



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

Special Applications

Special Detectors

Air Sampling Smoke Detection

Type	Order No.																										
<p>FDBZ292</p>  <p>Air sampling smoke detection kit</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Can be used as an addressable or collective device.</p> <p>The smoke detectors and bases must be ordered separately.</p> <table border="0"> <tr> <td style="vertical-align: top;">Smoke detector</td> <td>Sinteso -> FDO241, FDOOT241-8, FDOOT241-9 AlgoRex, Synova -> DO1133A, DO1103A, DO1104A Cerberus PRO -> DO1104A</td> </tr> <tr> <td style="vertical-align: top;">Detector base</td> <td>Sinteso -> FDB201/221, FDB201/221-AA AlgoRex -> DB1151A, DB1131A, DB1101A Synova -> DB1101A, SO620A Cerberus PRO -> DB1101A</td> </tr> <tr> <td style="vertical-align: top;">System compatibility</td> <td>Sinteso -> FDnet AlgoRex -> interactive, AnalogPLUS, collective Synova -> SynoLINE600, SynoLOOP Cerberus PRO -> collective, in C-NET via FDCIO223</td> </tr> <tr> <td style="vertical-align: top;">Min. duct diameter</td> <td>100 mm</td> </tr> <tr> <td style="vertical-align: top;">Permissible air speed</td> <td>1... 20 m/s</td> </tr> <tr> <td style="vertical-align: top;">Airflow indicator</td> <td>≥1 m/s</td> </tr> <tr> <td style="vertical-align: top;">Ambient temperature, operation</td> <td>-20... +50 °C</td> </tr> <tr> <td style="vertical-align: top;">Protection category</td> <td>IP54</td> </tr> <tr> <td style="vertical-align: top;">Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td style="vertical-align: top;">Dimensions (W x H x D)</td> <td>146 x 235 x 183 mm</td> </tr> <tr> <td style="vertical-align: top;">Color</td> <td>grey, ~RAL 7001</td> </tr> <tr> <td style="vertical-align: top;">Data sheet</td> <td>009728</td> </tr> <tr> <td style="vertical-align: top;">Accessories</td> <td>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 mm²</td> </tr> </table>	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	<p>A5Q00021362</p>
Smoke detector	Sinteso -> FDO241, FDOOT241-8, FDOOT241-9 AlgoRex, Synova -> DO1133A, DO1103A, DO1104A Cerberus PRO -> DO1104A																										
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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																										


Special Applications
Special Detectors
Air Sampling Smoke Detection



Type	Order No.																				
<p>DO1104A</p>  <p>Smoke detector, collective wide spectrum</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>16... 24 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>max. 100 µA</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +60 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Sensitivity</td> <td>Typ. 1.8 %/m</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>115 x 51mm (incl. base)</td> </tr> <tr> <td>Standard</td> <td>EN 54-7</td> </tr> <tr> <td>Data sheet</td> <td>001578</td> </tr> </table>	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	EN 54-7	Data sheet	001578	<p>BPZ:5090640001</p>
Operating voltage	16... 24 VDC																				
Quiescent current	max. 100 µA																				
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Color	white, ~RAL 9010																				
Dimensions (Ø x H)	115 x 51mm (incl. base)																				
Standard	EN 54-7																				
Data sheet	001578																				
<p>DB1101A</p>  <p>Base for collective detector series</p> <p>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 mm²) and connection terminals (2.5 mm²). Fits all standard flush-mounted boxes from 55 to 80 mm.</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 2.5 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>115 x 21 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Data sheet</td> <td>001035</td> </tr> </table> <p>Accessories</p>	Cable capacity	0.2... 2.5 mm ²	Dimensions (Ø x H)	115 x 21 mm	Color	white, ~RAL 9010	Data sheet	001035	<p>BPZ:4863650001</p>												
Cable capacity	0.2... 2.5 mm ²																				
Dimensions (Ø x H)	115 x 21 mm																				
Color	white, ~RAL 9010																				
Data sheet	001035																				
<p>FDBZ292-AA</p>  <p>Air flow tube 0.6 m</p> <p>The air flow tube is introduced through a hole drilled into the duct and shortened according to the diameter of the duct.</p> <table border="0"> <tr> <td>Length</td> <td>0.6 m</td> </tr> </table>	Length	0.6 m	<p>A5Q00021363</p>																		
Length	0.6 m																				

Special Applications
Special Detectors
Air Sampling Smoke Detection



Type	Order No.				
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <table><tr><td>Cable capacity</td><td>1... 2.5 mm²</td></tr><tr><td>Delivery unit</td><td>50 pieces</td></tr></table>	Cable capacity	1... 2.5 mm ²	Delivery unit	50 pieces	<p>BPZ:4942340001</p>
Cable capacity	1... 2.5 mm ²				
Delivery unit	50 pieces				

Special Applications

Special Detectors

Aspirating Smoke Detection

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

Special Applications
Special Detectors
Aspirating Smoke Detection



Type

Order No.

LaserFOCUS VLF-500

Aspirating smoke detector with display

VLF-500-SIE

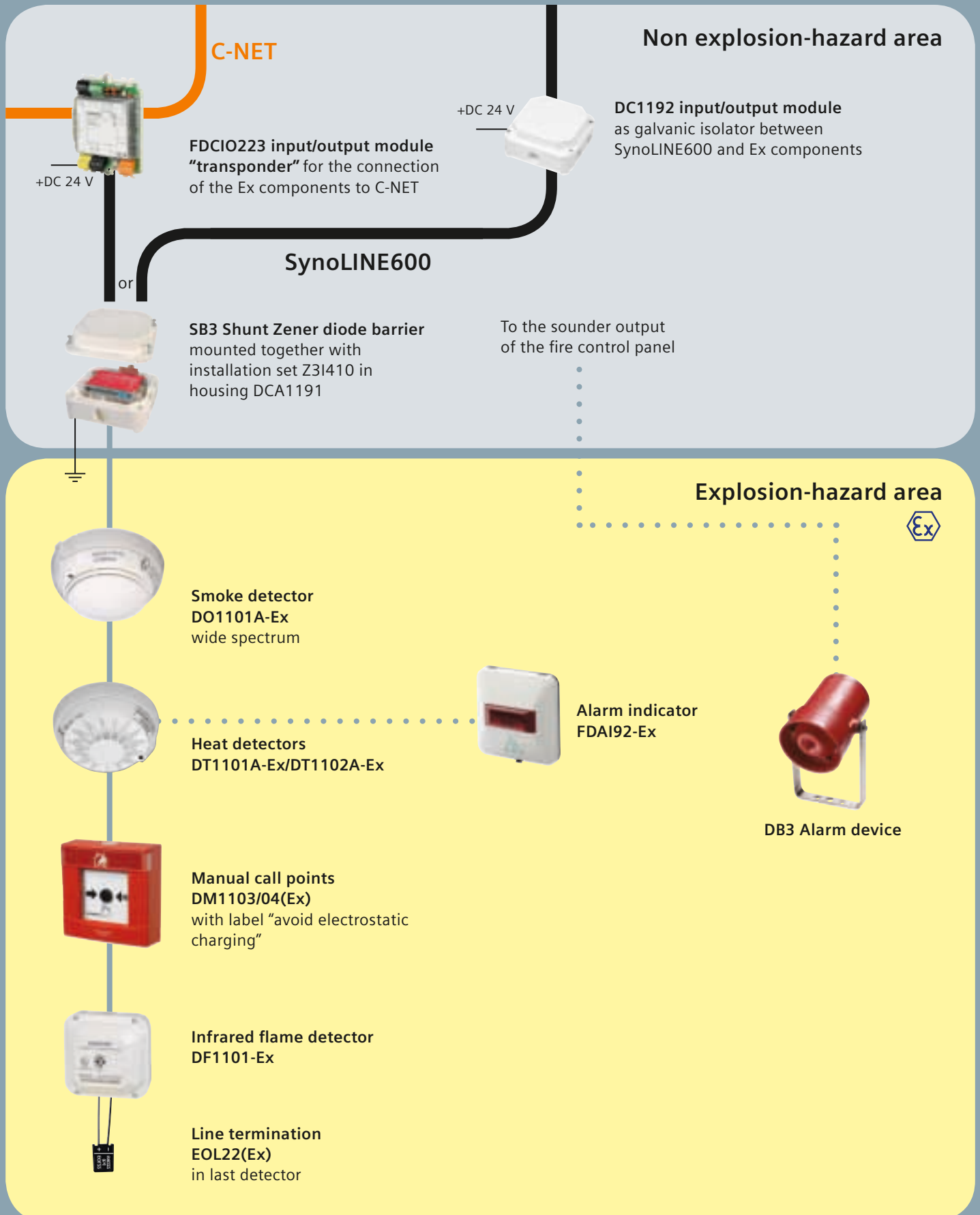


The LaserFOCUS detector is a very early warning smoke detector (Aspirating Smoke Detector ASD) designed to protect small, business-critical environments of less than 500 sqm. The detector works by continually drawing air into sampling holes in a pipe network. The air is filtered and passed into a detection 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	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

Explosion-hazard area products





Ex product overview





Type	Order No.																																		
<p>FDCIO223</p>  <p>Input/output module 'Transponder'</p> <p>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.</p> <p>Transponder incl. 2 Transzorb diode 20 V, 8 resistors and 2 mounting feet for TS35 U-rail.</p> <table border="0"> <tr> <td>Power supply</td> <td>External input voltage 18... 32 VDC</td> </tr> <tr> <td>Communication protocol</td> <td>FDnet/C-NET</td> </tr> <tr> <td>Operating voltage</td> <td>FDnet/C-NET 12... 33 VDC</td> </tr> <tr> <td>Detector line</td> <td>collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300, collective/SynoLINE600 or similar</td> </tr> <tr> <td>Control output</td> <td>24 VDC ± 5 % / 2 A</td> </tr> <tr> <td>EOL resistor</td> <td>3.3 kΩ/680 Ω, 2.7 kΩ/560 Ω, 3.3 kΩ</td> </tr> <tr> <td>Cable capacity</td> <td>0.2... 1.5 mm² (2.5 mm²)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +60 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +65 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010/transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP30 IP65 with aux. housing FDCH221</td> </tr> <tr> <td>System compatibility</td> <td>FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720</td> </tr> <tr> <td>Standard</td> <td>CEA GEI I-084, EN 54-17, EN 54-18</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>132 x 90 x 24 mm</td> </tr> <tr> <td>Data sheet</td> <td>009168</td> </tr> <tr> <td>Accessories</td> <td>TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65</td> </tr> </table> <p>Accessories</p>	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, EN 54-17, EN 54-18	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	<p>S24218-B102-A1</p>
Power supply	External input voltage 18... 32 VDC																																		
Communication protocol	FDnet/C-NET																																		
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Cable capacity	0.2... 1.5 mm ² (2.5 mm ²)																																		
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Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65																																		
<p>FDCH221</p>  <p>Housing for input/output modules</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>207 x 119 x 48 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010 / transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP65</td> </tr> <tr> <td>Accessories</td> <td>A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20</td> </tr> </table>	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	<p>S54312-F3-A1</p>																										
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Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20																																		

Special Applications
Explosion-Hazard Area Products
Interface to C-NET

Type	Order No.
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
<p>A5Q00004479</p>  <p>Back nut M20</p> <p>Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p>	A5Q00004479
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm²</p> <p>Delivery unit 50 pieces</p>	BPZ:4942340001
<p>EOL22(Ex)</p>  <p>Line termination</p> <p>End-of-line unit for collective detection lines or as end-of-line unit within explosion-hazard areas of zones 1 and 2.</p>	BPZ:5162220001

Special Applications

Explosion-Hazard Area Products






Interface to Collective Line SynoLINE600



Type		Order No.
DC1192-I__	<p>Input/output module for galvanic isolation</p> <p>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.</p> <p>Operating temperature -25... +70 °C Protection category IP56 Data sheet 001571</p> <p>Products to select from</p> <p>DCA1191 See Page 7-259-259-27,9-37 DCB1192A See Page 9-25 DCA1192A See Page 9-25</p>	DC1192-I__
DCA1191	<p>Housing (empty)</p> <p>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.</p> <p>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</p>	BPZ:4588560001
DCB1192A	<p>Terminal base for DC1192</p> <p>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.</p> <p>Cable capacity 0.2... 2.5 mm² / AWG 24... 14 Accessories DBZ1190-AA Micro terminal 0.5 mm²</p>	BPZ:5084500001
DCA1192A	<p>Electronic unit for DC1192</p> <p>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.</p> <p>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</p>	BPZ:5081200001

Special Applications
Explosion-Hazard Area Products
Ex-Barrier





Type	Order No.
<p>SB3</p>  <p>Safety barrier</p> <p>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 safety barriers outside explosion-hazard areas.</p> <p>Operating voltage max. 28 VDC Operating current max. 100 mA Type Stahl 9001/00-280-100-101 Standard EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11) Data sheet 001222</p>	<p>BPZ:4837400001</p>
<p>DCA1191</p>  <p>Housing (empty)</p> <p>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.</p> <p>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</p>	<p>BPZ:4588560001</p>
<p>Z3I410</p>  <p>Installation set</p> <p>One SB3 shunt Zener diode barrier may be mounted together with support plate Z3I410 in housing DCA1191 with protection category IP56.</p>	<p>BPZ:4837660001</p>
<p>DBZ1190-AA</p>  <p>Micro terminal 0.5 mm², 4-pole</p> <p>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.</p> <p>Cable capacity 0.28... 0.5 mm² Delivery unit 50 pieces</p> <p>Accessories</p>	<p>BPZ:4677080001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>

Special Applications

Explosion-Hazard Area Products

Point Detectors Ex-Series

Type	Order No.
<p>DO1101A-Ex</p>  <p>Smoke detector, wide spectrum collective 'Ex'</p> <p>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.</p> <p>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)</p> <p>Dimensions (Ø x H) 115 x 51 mm (incl. base) Color white, ~RAL 9010 Standard for fire detectors EN54-7 for explosion-hazard areas EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)</p> <p>Protection category IP44 Data sheet 001469</p>	<p>BPZ:5008010001</p>
<p>DT1101A-Ex</p>  <p>Heat detector collective 'Ex'</p> <p>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.</p> <p>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)</p> <p>Dimensions (Ø x H) 115 x 54.5 mm (incl. base) Color white, ~RAL 9010 Standard for fire detectors EN 54-5: A1R for explosion-hazard areas EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)</p> <p>Protection category IP44 Data sheet 001469</p>	<p>BPZ:4852140001</p>

Special Applications
Explosion-Hazard Area Products
Point Detectors Ex-Series



Type	Order No.																						
<p>DT1102A-Ex</p>  <p>Heat detector collective 'Ex'</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>16... 24 VDC</td> </tr> <tr> <td>Quiescent current</td> <td>max. 100 µA</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30... +75 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Ex-classification</td> <td>II 2 G Ex ib IIC T4 (-25 °C ≤Ta ≤70 °C)</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>115 x 54.5 mm (incl. base)</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Standard</td> <td>for fire detectors EN 54-5: B for explosion-hazard areas EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)</td> </tr> <tr> <td>Protection category</td> <td>IP44</td> </tr> <tr> <td>Data sheet</td> <td>001469</td> </tr> </table>	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 EN 54-5: B for explosion-hazard areas EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)	Protection category	IP44	Data sheet	001469	<p>BPZ:4852270001</p>
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 EN 54-5: B for explosion-hazard areas EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)																						
Protection category	IP44																						
Data sheet	001469																						
<p>DB1101A</p>  <p>Base for collective detector series</p> <p>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 mm²) and connection terminals (2.5 mm²). Fits all standard flush-mounted boxes from 55 to 80 mm.</p> <table border="0"> <tr> <td>Cable capacity</td> <td>0.2... 2.5 mm²</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>115 x 21 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Data sheet</td> <td>001035</td> </tr> <tr> <td>Further accessories</td> <td>DBZ1191 Base attachment for surface mounting DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm²</td> </tr> </table> <p>Accessories</p>	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	<p>BPZ:4863650001</p>												
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																						
<p>DBZ1191</p>  <p>Base attachment for surface mounting</p> <p>For surface wiring feed and provision of more wire loop space. Bases are mounted using a spring-loaded catch.</p> <table border="0"> <tr> <td>Dimensions (Ø x H)</td> <td>116 x 22 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Delivery unit</td> <td>5 pieces</td> </tr> </table>	Dimensions (Ø x H)	116 x 22 mm	Color	white, ~RAL 9010	Delivery unit	5 pieces	<p>BPZ:4540830001</p>																
Dimensions (Ø x H)	116 x 22 mm																						
Color	white, ~RAL 9010																						
Delivery unit	5 pieces																						

Special Applications
Explosion-Hazard Area Products
Point Detectors Ex-Series

Type	Order No.
<p>DBZ1190-AA</p>  <p>Micro terminal 0.5 mm², 4-pole</p> <p>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.</p> <p>Cable capacity 0.28... 0.5 mm² Delivery unit 50 pieces</p>	BPZ:4677080001
<p>DBZ1190-AB</p>  <p>Connection terminal 2.5 mm², 3-pole</p> <p>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.</p> <p>Cable capacity 1... 2.5 mm² Delivery unit 50 pieces</p>	BPZ:4942340001

Special Applications
Explosion-Hazard Area Products
Infrared Flame Detector Ex-Series



Type

Order No.

DF11Ex__



Infrared flame detector collective 'Ex'

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	EN 54-10 for flame detector EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11) for explosion-hazard areas
Protection category	IP67
Data sheet	001744

Products to select from

DF1101-Ex	See Page 9-31
DFB1190	See Page 9-31,9-32

DF11Ex__

DF1101-Ex



Infrared flame detector unit collective 'Ex'

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




BPZ:5166750001

Special Applications
Explosion-Hazard Area Products
Infrared Flame Detector Ex-Series

Type	Order No.
<p>DFB1190</p>  <p>Base for infrared flame detectors DF119x</p> <p>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.</p> <p>Cable capacity 0.2... 1.5 mm² (AWG24... 15) Dimensions (W x H x D) 135 x 135 x 45 mm Color white, ~RAL 9010 Accessories A5Q00004478 Screwed cable gland M20</p>	<p>BPZ:5165360001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>StabexHF</p>  <p>Test lamp for flame detectors 'Ex'</p> <p>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.</p> <p>Operating temperature -20... +40 °C Storage temperature -20... +40 °C Battery capacity 2 x Alkali battery 1.5 V, single-cell UM1</p> <p>Ex-classification II 2 G Ex ib e IIC T4 Protection category IP65 Data sheet AlgoRex, Synova, Sinteso -> 000252 Cerberus PRO -> A6V10203222</p>	<p>BPZ:4620910001</p>

Special Applications
Explosion-Hazard Area Products
Manual Call Points






Type	Order No.																		
<p>DM1103(Ex)___</p>  <p>Collective manual call point (double action) for explosion-hazard areas</p> <p>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.</p> <table border="0"> <tr> <td>Standard</td> <td>EN54-11</td> </tr> <tr> <td>Protection category</td> <td>IP54 (IP65 with protection seal and screwed cable gland)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +70 °C</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>134 x 134 x 43 mm</td> </tr> <tr> <td>Data sheet</td> <td>A6V10236643</td> </tr> <tr> <td>Accessories</td> <td>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)</td> </tr> <tr> <td>Products to select from</td> <td></td> </tr> <tr> <td>DMA1192-AA</td> <td>See Page 7-19,7-21,9-33,9-34</td> </tr> <tr> <td>DMA1103D</td> <td>See Page 7-20,9-33</td> </tr> </table>	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 7-19,7-21,9-33,9-34	DMA1103D	See Page 7-20,9-33	<p>DM1103(Ex)___</p>
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 7-19,7-21,9-33,9-34																		
DMA1103D	See Page 7-20,9-33																		
<p>DMA1192-AA</p>  <p>Housing red, with glass and key</p> <p>Manual call point housing for the switching units DMA110xD.</p> <table border="0"> <tr> <td>Color</td> <td>red, ~RAL 3000</td> </tr> </table>	Color	red, ~RAL 3000	<p>BPZ:5222870001</p>																
Color	red, ~RAL 3000																		
<p>DMA1103D</p>  <p>Switching unit collective (double action)</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>16... 26 VDC</td> </tr> <tr> <td>Operating current</td> <td>60... 100 mA</td> </tr> <tr> <td>Terminal block</td> <td>min. 0.28... 1.5 mm²</td> </tr> </table>	Operating voltage	16... 26 VDC	Operating current	60... 100 mA	Terminal block	min. 0.28... 1.5 mm ²	<p>A5Q00004470</p>												
Operating voltage	16... 26 VDC																		
Operating current	60... 100 mA																		
Terminal block	min. 0.28... 1.5 mm ²																		

Special Applications






Explosion-Hazard Area Products

Manual Call Points

Type	Order No.
DM1104(Ex)___	DM1104(Ex)___
	<p>Collective manual call point (single action) for explosion-hazard areas</p> <p>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.</p>
<p>Standard</p> <p>Protection category</p> <p>Operating temperature</p> <p>Dimensions (W x H x D)</p> <p>Data sheet</p> <p>Accessories</p>	<p>EN 54-11</p> <p>IP54 (IP65 with protection seal and screwed cable gland)</p> <p>-25... +70 °C</p> <p>134 x 134 x 43 mm</p> <p>A6V10236643</p> <p>DMZ1197-AD Protection seal</p> <p>DMZ1197-AC Protective cover</p> <p>A5Q00004478 Screwed cable gland M20</p> <p>A5Q00006735 Locking plug M20 (1 hole)</p> <p>A5Q00010055 Locking plug M20 (2 holes)</p>
Products to select from	<p>DMA1192-AA See Page 7-19,7-21,9-33,9-34</p> <p>DMA1104D See Page 7-19,7-20,9-34</p>
DMA1192-AA	BPZ:5222870001
	<p>Housing red, with glass and key</p> <p>Manual call point housing for the switching units DMA110xD.</p> <p>Color red, ~RAL 3000</p>
DMA1104D	A5Q00005925
	<p>Switching unit collective (single action)</p> <p>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.</p> <p>Operating voltage 16... 26 VDC</p> <p>Operating current 60... 100 mA</p> <p>Terminal block min. 0.28... 1.5 mm²</p>

Special Applications
Explosion-Hazard Area Products
Manual Call Points





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

Special Applications

Explosion-Hazard Area Products

Alarm Indicators Ex-Series

Type	Order No.																						
FDAI92-Ex 	S54370-F4-A1																						
<p>Alarm indicator - Surface for explosion-hazard areas</p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>1.5 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 35 mA (continuous)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 %</td> </tr> <tr> <td>Terminals</td> <td>max. 1.5 mm²</td> </tr> <tr> <td>Ex-classification</td> <td>'simple apparatus' acc. to EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 28 mm</td> </tr> <tr> <td>Color</td> <td>white, ~RAL 9010</td> </tr> <tr> <td>Protection category</td> <td>IP40</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276518</td> </tr> <tr> <td>Accessories</td> <td>AI330 Adapter frame</td> </tr> </table>	Operating voltage	1.5 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 EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)	Dimensions (W x H x D)	85 x 85 x 28 mm	Color	white, ~RAL 9010	Protection category	IP40	Data sheet	A6V10276518	Accessories	AI330 Adapter frame	
Operating voltage	1.5 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 EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)																						
Dimensions (W x H x D)	85 x 85 x 28 mm																						
Color	white, ~RAL 9010																						
Protection category	IP40																						
Data sheet	A6V10276518																						
Accessories	AI330 Adapter frame																						
AI330 	BPZ:3169430001																						
<p>Adapter frame for alarm indicator</p> <p>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.</p> <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>85 x 85 x 16 mm</td> </tr> </table>	Dimensions (W x H x D)	85 x 85 x 16 mm																					
Dimensions (W x H x D)	85 x 85 x 16 mm																						
FDAI93-Ex 	S54370-F6-A1																						
<p>Alarm indicator - Flush</p> <p>Made of transparent plastic, the FDAI93-Ex alarm indicator is suitable for installation in door frames, switching panels, ceiling voids or special housings. The 22.5 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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>1.5 VDC</td> </tr> <tr> <td>Operating current</td> <td>max. 20... 30 mA (continuous)</td> </tr> <tr> <td>Operating temperature</td> <td>-25... +80 °C</td> </tr> <tr> <td>Ex-classification</td> <td>'simple apparatus' acc. to EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)</td> </tr> <tr> <td>Color</td> <td>transparent plastic</td> </tr> <tr> <td>Dimensions (Ø x D)</td> <td>26 x 51 mm</td> </tr> <tr> <td>Protection category</td> <td>IP56 with DCA1191 IP65 with DJZ1193</td> </tr> <tr> <td>Data sheet</td> <td>A6V10276518</td> </tr> <tr> <td>Accessories</td> <td>DCA1191 Housing (IP56) BPZ:2473130001 Washer</td> </tr> <tr> <td>Further accessories</td> <td>DJZ1193 Housing (IP65)</td> </tr> </table>	Operating voltage	1.5 VDC	Operating current	max. 20... 30 mA (continuous)	Operating temperature	-25... +80 °C	Ex-classification	'simple apparatus' acc. to EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)	Color	transparent plastic	Dimensions (Ø x D)	26 x 51 mm	Protection category	IP56 with DCA1191 IP65 with DJZ1193	Data sheet	A6V10276518	Accessories	DCA1191 Housing (IP56) BPZ:2473130001 Washer	Further accessories	DJZ1193 Housing (IP65)			
Operating voltage	1.5 VDC																						
Operating current	max. 20... 30 mA (continuous)																						
Operating temperature	-25... +80 °C																						
Ex-classification	'simple apparatus' acc. to EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)																						
Color	transparent plastic																						
Dimensions (Ø x D)	26 x 51 mm																						
Protection category	IP56 with DCA1191 IP65 with DJZ1193																						
Data sheet	A6V10276518																						
Accessories	DCA1191 Housing (IP56) BPZ:2473130001 Washer																						
Further accessories	DJZ1193 Housing (IP65)																						

Special Applications
Explosion-Hazard Area Products
Alarm Indicators Ex-Series




Type	Order No.
<p>DCA1191</p>  <p>Housing (empty)</p> <p>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.</p> <p>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</p>	<p>BPZ:4588560001</p>
<p>BPZ:2473130001</p>  <p>Washer</p> <p>Washer for alarm indicator model recess mounting. The washer can be used for applications in humid rooms.</p> <p>Dimensions (Ø x D) 23 x 1 mm</p>	<p>BPZ:2473130001</p>
<p>A5Q00004478</p>  <p>Screwed cable gland M20 x 1.5</p> <p>The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	<p>A5Q00004478</p>
<p>DJZ1193</p>  <p>Alarm indicator housing incl. washer</p> <p>For surface mounting in wet areas. 1 alarm indicator can be built into the housing.</p> <p>Dimensions (W x H x D) 87 x 87 x 64 mm Color white, ~RAL 9010 Protection category IP65</p>	<p>BPZ:5302950001</p>
<p>MVH1</p>  <p>Mounting bracket</p> <p>For mounting of the alarm indicator housing DJZ1193 and detectors in hollow floors.</p> <p>Length 0.29... 0.42 m (pipe clamp 1/2")</p>	<p>BPZ:3496190001</p>

Special Applications

Explosion-Hazard Area Products

Alarm Device




Type		Order No.																								
DB3	Alarm device for explosion-hazard areas of zones 1 and 2 <p>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.</p>  <table><tr><td>Operating voltage</td><td>12... 48 VDC</td></tr><tr><td>Alarm current</td><td>max. 380 mA</td></tr><tr><td>Volume at 24 V and 1 m</td><td>101... 115 dB</td></tr><tr><td>Number of sounds</td><td>27</td></tr><tr><td>Operating temperature</td><td>-20... +55 °C</td></tr><tr><td>Ex-classification</td><td>II 2 G Ex d IIC T5 (-20 °C ≤ Ta ≤ 55 °C)</td></tr><tr><td>Terminals</td><td>6 x 2.5 mm²</td></tr><tr><td>Dimensions (Ø x D)</td><td>137 x 184 mm</td></tr><tr><td>Color</td><td>red, anti-static, UV stable, glass reinforced polyester</td></tr><tr><td>Standard</td><td>CENELEC, EN 50014, 18</td></tr><tr><td>Protection category</td><td>IP66/67</td></tr><tr><td>Data sheet</td><td>009001</td></tr></table>	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 D)	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	BPZ:5757970001
Operating voltage	12... 48 VDC																									
Alarm current	max. 380 mA																									
Volume at 24 V and 1 m	101... 115 dB																									
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Ex-classification	II 2 G Ex d IIC T5 (-20 °C ≤ Ta ≤ 55 °C)																									
Terminals	6 x 2.5 mm ²																									
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Color	red, anti-static, UV stable, glass reinforced polyester																									
Standard	CENELEC, EN 50014, 18																									
Protection category	IP66/67																									
Data sheet	009001																									



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 160 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.

Special Equipment
 Test Equipment
 Detector Tester



Type	Order No.
<p>DX791</p>  <p>Detector exchanger</p> <p>Insertion and removal of all Cerberus PRO point detectors. Equipped with a vacuum cup for insertion and removal of dust cap. Compatible with the telescope rods FDUM291/292.</p> <p>Data sheet A6V10203222</p> <p>Accessories FDUD491 Adapter for detector exchanger FDUM291 Telescope rod FDUM292 Telescope rod</p>	S54319-F6-A1
<p>FDUD491</p> <p>Adapter</p> <p>Adapter to detector exchanger DX791.</p> <p>Data sheet A6V10203222</p>	S54319-F18-A1
<p>RE6</p>  <p>Detector tester for smoke detectors</p> <p>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.</p> <p>Data sheet AlgoRex, Synova -> 001164 Sinteso -> 007228 Cerberus PRO -> A6V10203222</p> <p>Accessories FDUM291 Telescope rod FDUM292 Telescope rod</p> <p>Further accessories RG320 Bellow</p>	BPZ:3680300001
<p>REF8</p>  <p>Test gas can for smoke detectors</p> <p>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.</p> <p>Delivery unit 6 pieces</p>	A5Q00011687

Special Equipment
Test Equipment
Detector Tester





Type	Order No.
<p>REF8-S</p>  <p>Test gas can for smoke detectors</p> <p>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.</p> <p>Delivery unit 6 pieces</p>	<p>A5Q00011688</p>
<p>RG320</p>  <p>Bellow for RE6</p> <p>The bellow is fitted to the RE6 to fit all SynoLINE300 point detectors in an ideal way.</p>	<p>BPZ:5166880001</p>
<p>RE6T</p>  <p>Detector tester for heat detectors</p> <p>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.</p> <p>Forbidden in electrical switching stations or areas where there is a danger of explosion!</p> <p>The extension rod FDUM291/292 must be ordered separately.</p> <p>Mains voltage 220 VAC/50... 60 Hz, ~300 W Operating temperature 0... +40 °C Data sheet AlgoRex, Synova -> 001164 Sinteso -> 007228 Cerberus PRO -> A6V10203222</p> <p>Accessories FDUM291 Telescope rod FDUM292 Telescope rod</p>	<p>BPZ:3680270001</p>
<p>RE7T</p>  <p>Solo461 Heat detector tester kit</p> <p>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.</p> <p>Forbidden in electrical switching stations or areas where there is a danger of explosion!</p> <p>The adapter RE7T-A and the extension rod FDUM291/292 must be ordered separately.</p> <p>Relative humidity ≤95 % Operating temperature 5... +45 °C Storage temperature -10... +50 °C Data sheet A6V10252901</p> <p>Accessories RE7T-A Solo719 Adapter for FDUM29x FDUM291 Telescope rod FDUM292 Telescope rod</p>	<p>S54370-S3-A1</p>

Special Equipment
Test Equipment
Detector Tester

Type			Order No.
RE7T-A	Accessories		S54370-N4-A1
	Solo719 Adapter for FDUM29x Adapter from heat detector tester RE7T to the telescope rods FDUM29x.		
	Data sheet	A6V10252901	
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.
<p>FDUM292</p>  <p>Telescope rod</p> <p>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.</p> <p>Length 2.1 m extendable to 7.3 m Color yellow, black</p>	<p>A5Q00004997</p>
<p>DZB1191</p>  <p>Detector base tester</p> <p>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.</p> <p>The DBZ1191 can test for open lines, short circuit, earth leakages, polarity and alarm indicator connection.</p> <p>Data sheet 001049</p>	<p>BPZ:4680660001</p>

Special Equipment

Test Equipment

Detector Tester for Special Detectors

Type	Order No.
<p>LE3</p>  <p>Test lamp for flame detectors</p> <p>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.</p> <p>The battery FA2003-A1 must be ordered separately.</p> <p>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</p>	<p>BPZ:3669510001</p>
<p>StabexHF</p>  <p>Test lamp for flame detectors 'Ex'</p> <p>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.</p> <p>Operating temperature -20... +40 °C Storage temperature -20... +40 °C Battery capacity 2 x Alkali battery 1.5 V, single-cell UM1</p> <p>Ex-classification II 2 G Ex ib e IIC T4 Protection category IP65 Data sheet AlgoRex, Synova, Sinteso -> 000252 Cerberus PRO -> A6V10203222</p>	<p>BPZ:4620910001</p>
<p>FDLU291</p>  <p>Adjustment device set for linear smoke detector</p> <p>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.</p>	<p>A5Q00004905</p>
<p>RE10</p>  <p>Detector tester for linear smoke detectors</p> <p>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.</p> <p>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.</p> <p>Data sheet Synova, AlgoRex -> 001164 Sinteso -> 007228 Cerberus PRO -> A6V10203222</p> <p>Accessories TF04 Alarm test filter FDUM291 Telescope rod FDUM292 Telescope rod</p>	<p>BPZ:3685190001</p>


Special Equipment
Test Equipment
Detector Tester for Special Detectors








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

Special Equipment Interface Adapter for C-NET Devices





Type	Order No.																
<p>FDUZ221</p>  <p>MCL USB adapter</p> <p>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.</p> <table><tr><td>Power supply</td><td>via USB</td></tr><tr><td>Interface</td><td>USB 2.0/1.1 MC-Link</td></tr><tr><td>Operating temperature</td><td>-10... +55 °C</td></tr><tr><td>Storage temperature</td><td>-20... +60 °C</td></tr><tr><td>Relative humidity</td><td>≤95 %</td></tr><tr><td>Dimensions (W x H x D)</td><td>100 x 30 x 54 mm</td></tr><tr><td>Protection category</td><td>IP30</td></tr><tr><td>Data sheet</td><td>Sinteso -> A6V10084591 Cerberus PRO -> A6V10203222</td></tr></table>	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	<p>A5Q00020131</p>
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																

Batteries


Type	Order No.
<p>FA2003-A1 Battery (12 V, 7 Ah, VDS)</p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 151 x 94 x 65 mm</p> 	A5Q00019353
<p>FA2004-A1 Battery (12 V, 12 Ah, VDS)</p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 151 x 95 x 98 mm</p> 	A5Q00019354
<p>FA2005-A1 Battery (12 V, 17 Ah, VDS)</p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 181 x 167 x 77 mm</p> 	A5Q00019677
<p>FA2006-A1 Battery (12 V, 26 Ah, VDS)</p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 166 x 125 x 177 mm</p> 	A5Q00019356
<p>FA2007-A1 Battery (12 V, 45 Ah, VDS)</p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 197 x 170 x 165 mm</p> 	A5Q00022897



Type	Order No.
<p>FA2008-A1</p>  <p>Battery (12 V, 65 Ah, VDS)</p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 348 x 178 x 167 mm</p>	<p>A5Q00019357</p>
<p>FA2009-A1</p>  <p>Battery (12 V, 100 Ah, VDS)</p> <p>Rechargeable sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D) 305 x 212 x 168 mm</p>	<p>A5Q00023101</p>




Spare Parts

Fire Control Panels FC72x and Operating Terminals FT724, Printers

Type	Order No.
<p>SV 24V-150W</p>  <p>Power supply (150 W) Power supply (150 W) without accessories. Use as spare part.</p>	V24230-Z6-A4
<p>FHA7201-A3</p>  <p>Cover cap (Cerberus) Cover with Cerberus label. Use as spare part only.</p>	S54400-B77-A1
<p>FHA7202-A3</p>  <p>Cover cap (without print) Cover without print. Use as spare part only.</p>	S54400-B74-A1
<p>FCM7210-Z3</p>  <p>Operating add-on Operating add-on (complete base) without accessories. Use as spare part only.</p>	S54400-F76-A1
<p>FCM7211-Y3</p>  <p>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.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm</p>	S54400-F75-A1


Spare Parts
Fire Control Panels FC72x and Operating Terminals FT724, Printers



Type	Order No.
<p>FCM7212-Y3</p>  <p>Operating add-on (4xLED ind.)</p> <p>To update 96 LED display groups, with one red and one yellow LED each. Can be inserted in all empty housings. Inclusive cables and screws for installation.</p> <p>Dimensions (W x H x D) 427 x 200 x 25 mm</p>	S54400-F88-A1
<p>A5Q00017619</p>  <p>Thermo printer rolls for Custom Plus-S-0004</p> <p>Replacement printer rolls (10 rolls) for event printer FTO2001-A1. Use as spare part.</p> <p>Delivery unit 10 pieces</p>	A5Q00017619
<p>A5Q00023963</p>  <p>Typewriter ribbon</p> <p>Genuine Fujitsu CA02374-C104 black fabric impact printer ribbon designed for the Fujitsu DL3750+ matrix printer.</p> <p>Color black</p>	A5Q00023963

Spare Parts

Conventional Fire Control Panels FC10


Type		Order No.
FCA1001	Line extension card 4-zones	A6E60500020
FCA1007-B	Add-on line card To provide line continuity with diode bases according to British Standard BS5839 Pt1. One unit per 2 lines. Use as spare part.	A6E60500027
FCA1009-E	EVAC module Evacuation control module. Mounts on FC1008-E.	S54380-B11-A1
FCA1013	Universal accessory bag Consists of: 2 EOL (FCE1002) for sounder control lines 12 EOL resistors 3.9 k Ω 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	A6E60500068
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 End-of-line for sounder control lines, as spare part.	A6E60500032
		
FCH1002	Cover for the FC1002-A, -B, -C	A6E60500035
FCH1004	Cover for the FC1004-A, -B, -C	A6E60500036









Type		Order No.
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	S54380-F10-A1
FCH1012	Cover for the FC1012-A, -B, -C	A6E60500043
FCM1002	Main board 2-zones	S54380-C8-A1
FCM1004	Main board 4-zones	S54380-C9-A1
FCM1004-E	FCM1004-E Main board 4 zone NL	S54380-C9-A10
FCM1008	Main board for 8-zone units	S54380-C1-A10
FCM1008-E	FCM1008-E Main board 8 zone NL	S54380-C1-A30
FCM1008-D	FCM1008-D Main board 8 zone CH	S54380-C1-A20
FCP1002	Transformer for 2/4-zone units The transformer is delivered with mains connecting terminal.	S54390-N12-A1

Spare Parts


Extinguishing Control Panels XC10

Type		Order No.
XCM1002	Main board Main board for XC10, as spare part	S54390-A4-A1
FCP1004-E	Power supply 3.5 A Power supply 3.5 A. Spare part for XC10.	A6E60500054
		
XCH1001-A	Cover set Cover set for XC1001-A, as spare part	S54390-B9-A1
XCH1003-A	Cover set Cover set for XC1003-A, as spare part	S54390-B10-A1
XCH1005-A	Cover set Cover set for XC1005-A, as spare part	S54390-B11-A1
XCA1002-1	Display adapter Display adapter, as spare part	S54390-B7-A1
XCA1002-2	Display adapter Display adapter, as spare part	S54390-B8-A1





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

Spare Parts Manual Call Points







Type	Order No.
FDMK295	A5Q00013448
	
Spare key	
Key for manual call points FDM225, FDM226, FDM1101 and FDM1101A. Use as spare part.	
Delivery unit	10 pieces

Spare Parts
Input Modules, Input/Output Modules, Alarm Indicator







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	





Spare Parts Test Equipment

Type	Order No.
<p>FDLU291</p> 	<p>Adjustment device for FDLU291 Adjustment device use only as spare part.</p> <p>A5Q00006540</p>
<p>FDUD292-A</p> 	<p>Adapter cable 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.</p> <p>A5Q00004990</p>
<p>A5Q00009786</p> 	<p>Adapter with lever, screw and nut incl. attachment and bushing screw Use as spare part to the telescope rods FDUM291 and FDUM292.</p> <p>A5Q00009786</p>
<p>A5Q00009787</p> 	<p>Lever with screw and nut Use as spare part to the telescope rods FDUM291 and FDUM292.</p> <p>A5Q00009787</p>
<p>A5Q00009788</p> 	<p>Small flap with screw and nut Use as spare part to the telescope rod FDUM291.</p> <p>A5Q00009788</p>
<p>A5Q00009789</p> 	<p>Large flap with screw and nut Use as spare part to the telescope rod FDUM291.</p> <p>A5Q00009789</p>






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

Spare Parts Test Equipment


Type	Order No.
RE7T-B 	S54370-N5-A1
Solo760 Battery for RE7T Use as spare part for RE7T heat detector tester. Data sheet A6V10252901	
RE7T-C 	S54370-N6-A1
Solo725 Charger for RE7T Use as spare part for charging of battery baton to the RE7T heat detector tester. Data sheet A6V10252901	
RG320 	BPZ:5166880001
Bellow for RE6 The bellow is fitted to the RE6 to fit all SynoLINE300 point detectors in an ideal way.	
DZZ1190 	BPZ:4478380001
Bellow for RE6 The bellow is fitted to the RE6 to fit all SynoLINE600 and AlgoRex point detectors in an ideal way.	



Type	Order No.
<p>FCM7201-Z3</p>  <p>Operating unit Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as repair part only.</p>	A5Q00018923-R
<p>FCM7202-Y3</p>  <p>Operating unit (+LED ind.) Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as repair part only.</p>	A5Q00018925-R
<p>FCM7203-H3</p>  <p>Operating unit (+EVAC term.) Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as repair part only.</p>	A5Q00018933-R

Repair Parts

Periphery Boards, Expansion Modules and Power Supply

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)

A5Q00012851-R



Network module (SAFEDLINK) without accessories.
Use as repair part only.

Repair Parts

Floor Repeater Panels

Type	Order No.
FT2010-A1  A rectangular white floor repeater terminal with a small LCD screen at the top, a speaker grille below it, and a keypad at the bottom. There are some indicator lights on the right side.	A5Q00014104-R
FT2011-A1  A rectangular white floor repeater display with a small LCD screen at the top, a speaker grille below it, and a keypad at the bottom. It has a slightly different design from the terminal.	A5Q00017706-R



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	MM8000xxx
	<p>MM8000 danger management station</p> <p>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.</p> <p>The MM8000 architecture allows the integration of Siemens fire safety, security and control systems as well as 3rd party solutions via standard interfaces.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>System requirements The MM8000 SW runs on a Microsoft Windows PC.</p> <p>Ordering Information Contact your local BT sales support representative for further information.</p> <p>Data sheet A6V10074451</p>



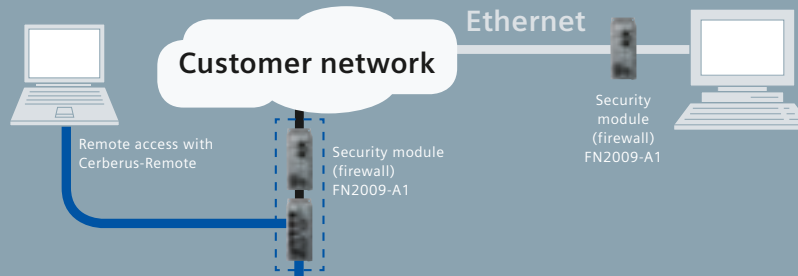
Cerberus PRO – an overview of a smart system

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 danger management system from Siemens – 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
- Extended network possibilities for widely distributed or complex buildings

Cerberus PRO Planning Tool – panels, network, and accessories

To enable remote operation with Cerberus-Remote, the PC has to be connected to an Ethernet switch of the backbone. Access to certain panel in a cluster will be granted by installing an L1 license key into this panel.



Danger management system

The danger management system from Siemens is either directly connected to the backbone (via Ethernet switch) or via the customer network by using additional security modules. Each station that is to be addressed by the danger management system must be released by means of the license key (L2).

Backbone (C-WEB/LAN)

Clusters can be networked via an Ethernet backbone, using industrial LAN technology. Siemens is the first manufacturer who offers this as EN 54-approved solution. With this architecture that is standard in IT, building structures and organizational processes can be ideally depicted.

Characteristics of networking via backbone

- Ethernet switch to connect a cluster to the backbone
- Redundant transmission thanks to circular wiring
- Redundant connection possible due to two Ethernet switches
- Increased EMC protection thanks to fiber-optic cabling
- Easily programmable, EN 54-conform system-wide control
- Configurable view of single panels
- All panels can be used as router panel (for further information on FC726, please have a look into the separate documentation).

Key data

- Max. number of panels in EN 54 system: 64
- Max. number of panels in a cluster: 16
- Max. number of networkable clusters: 14
- Number of panels placed directly on backbone: 4*
- Number of panels with system-wide view: 5*
- Max. distance between clusters (fiber optic; multi mode): 3,000 m

* and more with respective system topology

The following guidelines must be observed

- To fulfill the EN 54 norm, you need only 1 Ethernet switch to connect control panels with less than 512 fire detectors to the backbone.

Cluster (C-WEB/SAFEDLINK)

Via the powerful cluster, up to 32 panels can be networked (fire control panels and fire terminals).

Characteristics of networking via the system bus

- Wiring with two wires
- Redundant transmission thanks to circular wiring
- Increased safety due to degrade mode using a second network module
- No additional cabling necessary for degrade mode; even for systems with more than 512 fire detectors
- Configurable view of individual panels

Key data

- Max. number of networkable panels: 32
- Max. number of networkable panels if connected to a danger management system: 16
- Max. distance between panels with copper cable
 - without repeater: 1,000 m
 - with repeater: 2,000 m
- Max. distance between panels with fiber-optic cable
 - multi mode: 2,500 m
 - single mode: 15,000 m
- Max. number of panels with system-wide view: 5



Fire control panel FC726-ZA
Art. no.: S54400-C87-A1



Each FC726 control panel contains:
– Alarm transmission
– Fault transmission
– Fire controls
– Monitoring of 2 conventional sounder lines

Note: all extensions included

Fire control panel FC726 (modular)

FC726 is a modular fire control panel.

It has the following features:

- 4 C-NET loops
- 5 slots for additional module bus cards
- Integrated inputs/outputs for peripherals
- Integrated control unit
- Integrated power supply
- Automatic configuration
- Networkability via backbone (C-WEB/LAN), cluster (C-WEB/SAFEDLINK) or Ethernet

Cluster (C-WEB/SAFEDLINK)

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 backbone (C-WEB/LAN), cluster (C-WEB/SAFEDLINK) or Ethernet

Fire terminal FT724

The FT724 has the following features:

- Integrated control unit
- Separate DC 24 V supply input possible
- Redundant DC 24 V supply input
- Networkability via C-WEB/SAFEDLINK or Ethernet



Fire terminal FT724-ZZ

Art. no.: S54400-C31-A2

C-NET

The C-NET is a modern, multi-purpose bus system. It allows rapid, fail-safe communication between the Cerberus® PRO bus elements and the fire control panel.

Characteristics of networking via the detector bus

- Use of all cable types (shielded or unshielded)
- Integration of star-shaped cable networks without modifications to cable network
- Shielding not necessary

- 2-wire loop
- Power supply to all bus elements via the C-NET (except transponder FDCIO223, LaserFOCUS, extinguishing control unit XC10)

Key data

- Up to 40 T-taps
- Up to 126 bus elements on one loop
- Cable lengths up to 3.3 km with up to 126 bus elements

C-NET

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

Network components

Backbone

Security module (firewall)
FN2009-A1
Art. no.: S54400-F95-A1

Ethernet switch
FN2008-A1
Art. no.: S54400-F94-A1

Cluster

Network module (SAFEDLINK)
FN2001-A1
Art. no.: A5Q00012851

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

Housing (Large)
FH7205-Z3
Art. no.: S54400-B86-A1

Housing (Large Extension)
FH7204-Z3
Art. no.: S54400-B89-A1

Flush mounting bezel one HU
FHA2017-A1
Art. no.: A5Q00024719

Flush mounting bezel two HU
FHA2015-A1
Art. no.: A5Q00024621

Expansion options

Loop extension (C-NET)
FCL2003-A1
Art. no.: A5Q00010136

RS232 module (isolated)
FCA2001-A1
Art. no.: A5Q00005327

RS485 module (isolated)
FCA2002-A1
Art. no.: A5Q00009923

Sounder module
FCA2005-A1
Art. no.: A5Q00014866

License key L1
FCA2012-A1
Art. no.: A5Q00018856

License key L2
FCA2013-A1
Art. no.: A5Q00018857

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

Module bus cards for FC726

Line card (C-NET)
FCL2001-A1
Art. no.: A5Q00009875

I/O card (programmable)
FCL2008-A1
Art. no.: S54400-A6-A1

Operating add-ons

Operating add-on (2xLED-ind.)
FCM7211-Y3
Art. no.: S54400-F75-A1

Operating add-on (4xLED-ind.)
FCM7212-Y3
Art. no.: S54400-F88-A1

Key switch Kaba
FTO2005-C1
Art. no.: A5Q00010113

Key switch Nordic
FTO2006-B1
Art. no.: A5Q00010129

Event printer
FTO2001-A1
Art. no.: A5Q00010126

Event printer
DL3750+
Art. no.: A5Q00023962

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

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 backbone (C-WEB/LAN), cluster (C-WEB/SAFEDLINK) or Ethernet

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
FC721-YZ
Art. no.: S54400-C32-A3

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

In the basic version each FC722 control panel contains:

- Alarm transmission
- Fault transmission
- Fire controls
- Monitoring of conventional sounder line

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

Manual call point, red
FDM221

ASA neural fire detector
OOH740

Alarm sounder
FDS221-R

Legend for the interfaces and networks:

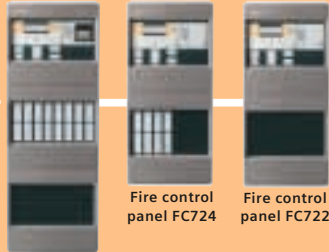
Serial interfaces

— Backbone (C-WEB/LAN)
— Cluster (C-WEB/SAFEDLINK)
— C-NET

One optional RS232 and/or one RS485 interface (also freely combinable) per panel or fire terminal
Network to connect clusters
Network to connect panels
Network to connect Cerberus PRO devices

Cerberus PRO Planning Tool – C-NET devices

Cerberus PRO control panels



Fire control panel FC724
Fire control panel FC722

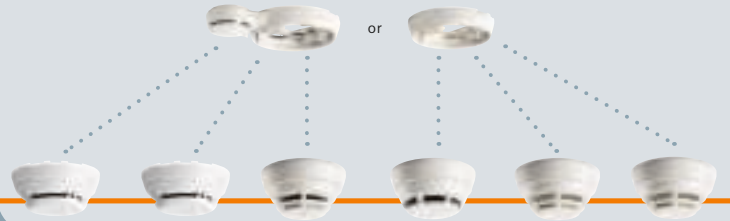
Cluster (C-WEB/SAFEDLINK)

Fire control panel FC726

Cerberus PRO fire detectors

Sounder base DBS720
Sound level: 88 dBA/1 m
Art. no.: S54319-F5-A1

Detector base DB721
Art. no.: S54319-F11-A1



ASA neural fire detector OOH740
Art. no.: S54320-F7-A3

ASA neural fire and CO detector OOH740
Art. no.: S54320-F8-A3

Multi-sensor fire detector OH720
Art. no.: S54310-F2-A1

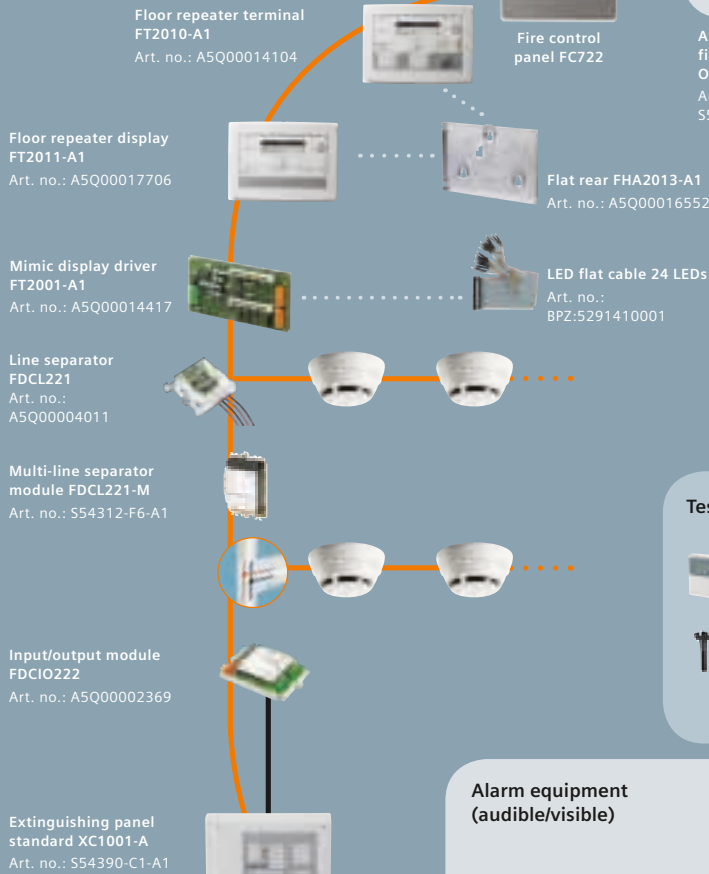
Smoke detector OP720
Art. no.: S54310-F1-A1

Heat detector HI722 (max)
Art. no.: S54310-F3-A1

Heat detector HI720 (max + RoR)
Art. no.: S54310-F4-A1

Detector base accessories

- Detector base seal RS720
Art. no.: S54319-F8-A1
- Designation plate FDBZ291
Art. no.: A5Q00002621
- Detector locking device LP720
Art. no.: S54319-F9-A1
- Base attachment BA720
Art. no.: S54319-F20-A1



C-NET

The C-NET is a modern, multi-purpose 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:

Cluster (C-WEB/SAFEDLINK) Network for connecting up to 32 panels or up to 16 panels if connected to a danger management system
C-NET Network for connecting Cerberus PRO devices
...xxx-9 Connection to collective and conventional technology possible

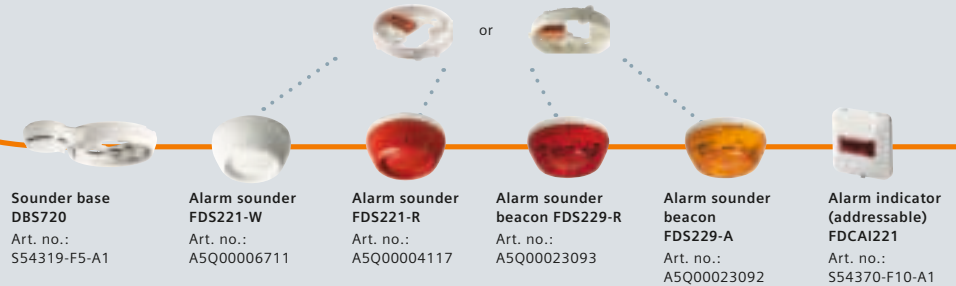
Test equipment

- Line tester FDUL221
Art. no.: A5Q00004397
- Detector tester for smoke detectors RE6
Art. no.: BPZ:3680300001
- Detector tester for heat detectors RE7T
Art. no.: S54370-S3-A1
- Detector tester for linear smoke detectors RE10
Art. no.: BPZ:3685190001
- Test lamp for flame detectors 'Ex' StabexHF
Art. no.: BPZ:4620910001
- Test lamp for flame detectors LE3
Art. no.: BPZ:3669510001
- Detector exchanger DX791
Art. no.: S54319-F6-A1

Alarm equipment (audible/visible)

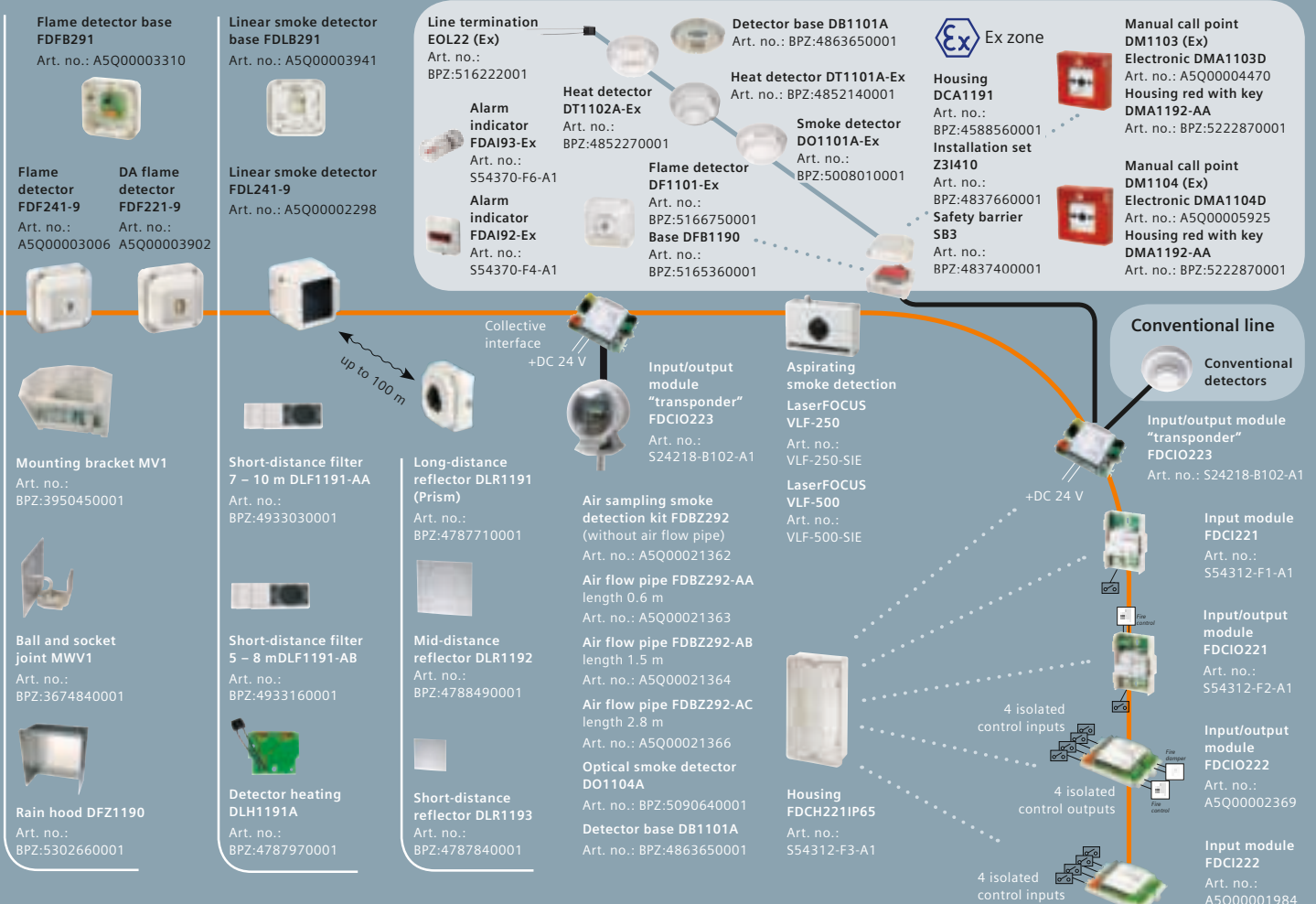
Sounder base FDB221
Art. no.: A5Q00001664

Sounder base flat FDB222
Art. no.: S54319-F1-A1



Sounder accessories

- Sealing element FDBZ295
Art. no.: S54319-F10-A1
- Designation plate FDBZ291
Art. no.: A5Q00002621
- Base attachment FDB291
Art. no.: A5Q00001603
- Base attachment wet FDBZ293
Art. no.: A5Q00003945
- Designation plate DBZ1193A
Art. no.: BPZ:4864330001
- Detector locking device FDBZ293
Art. no.: A5Q00005035



Flame detector base FDFB291
Art. no.: A5Q00003310



Flame detector FDF241-9
Art. no.: A5Q00003006

DA flame detector FDF221-9
Art. no.: A5Q00003902



Mounting bracket MV1
Art. no.: BPZ:3950450001



Ball and socket joint MWV1
Art. no.: BPZ:3674840001



Rain hood DFZ1190
Art. no.: BPZ:5302660001



Linear smoke detector base FDLB291
Art. no.: A5Q00003941



Linear smoke detector FDL241-9
Art. no.: A5Q00002298



Short-distance filter 7 – 10 m DLF1191-AA
Art. no.: BPZ:4933030001



Short-distance filter 5 – 8 m DLF1191-AB
Art. no.: BPZ:4933160001



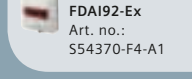
Detector heating DLH1191A
Art. no.: BPZ:4787970001



Line termination EOL22 (Ex)
Art. no.: BPZ:516222001



Alarm indicator FDAI93-Ex
Art. no.: S54370-F6-A1



Alarm indicator FDAI92-Ex
Art. no.: S54370-F4-A1



Long-distance reflector DLR1191 (Prism)
Art. no.: BPZ:4787710001



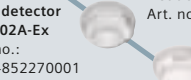
Mid-distance reflector DLR1192
Art. no.: BPZ:4788490001



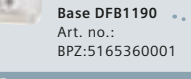
Short-distance reflector DLR1193
Art. no.: BPZ:4787840001



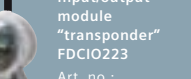
Detector base DB1101A
Art. no.: BPZ:4863650001



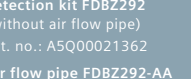
Heat detector DT1101A-Ex
Art. no.: BPZ:4852140001



Heat detector DT1102A-Ex
Art. no.: BPZ:4852270001



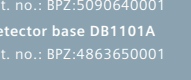
Flame detector DF1101-Ex
Art. no.: BPZ:5166750001



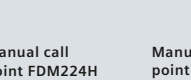
Base DFB1190
Art. no.: BPZ:5165360001



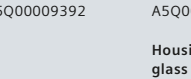
Aspirating smoke detection LaserFOCUS VLF-250
Art. no.: VLF-250-SIE



LaserFOCUS VLF-500
Art. no.: VLF-500-SIE



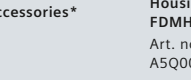
Air sampling smoke detection kit FDBZ292 (without air flow pipe)
Art. no.: A5Q00021362



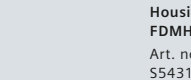
Air flow pipe FDBZ292-AA length 0.6 m
Art. no.: A5Q00021363



Air flow pipe FDBZ292-AB length 1.5 m
Art. no.: A5Q00021364



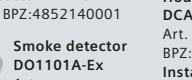
Air flow pipe FDBZ292-AC length 2.8 m
Art. no.: A5Q00021366



Optical smoke detector DO1104A
Art. no.: BPZ:5090640001



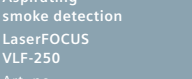
Detector base DB1101A
Art. no.: BPZ:4863650001



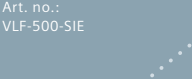
Heat detector DT1101A-Ex
Art. no.: BPZ:4852140001



Smoke detector DO1101A-Ex
Art. no.: BPZ:5008010001



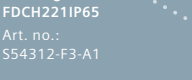
Flame detector DF1101-Ex
Art. no.: BPZ:5166750001



Base DFB1190
Art. no.: BPZ:5165360001



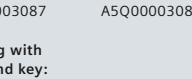
Aspirating smoke detection LaserFOCUS VLF-250
Art. no.: VLF-250-SIE



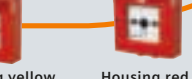
LaserFOCUS VLF-500
Art. no.: VLF-500-SIE



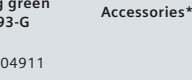
Air sampling smoke detection kit FDBZ292 (without air flow pipe)
Art. no.: A5Q00021362



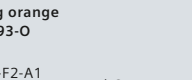
Air flow pipe FDBZ292-AA length 0.6 m
Art. no.: A5Q00021363



Air flow pipe FDBZ292-AB length 1.5 m
Art. no.: A5Q00021364



Air flow pipe FDBZ292-AC length 2.8 m
Art. no.: A5Q00021366



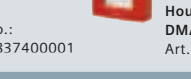
Optical smoke detector DO1104A
Art. no.: BPZ:5090640001



Housing DCA1191
Art. no.: BPZ:4588560001



Installation set Z31410
Art. no.: BPZ:4837660001



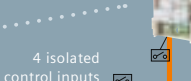
Safety barrier SB3
Art. no.: BPZ:4837400001



Manual call point DM1103 (Ex)
Art. no.: A5Q00004470



Electronic DMA1103D
Art. no.: A5Q00005925



Manual call point DM1104 (Ex)
Art. no.: A5Q00005925



Electronic DMA1104D
Art. no.: A5Q00005925



Manual call point DM1103 (Ex)
Art. no.: A5Q00004470



Electronic DMA1103D
Art. no.: A5Q00005925



Manual call point DM1104 (Ex)
Art. no.: A5Q00005925



Electronic DMA1104D
Art. no.: A5Q00005925



Manual call points and accessories

Manual call point FDM221
Electronic switching unit FDM221
Art. no.: A5Q00002451

Housing red with key FDMH291-R
Art. no.: A5Q00002217

Manual call point FDM225
Manual call point with resettable plastic element FDM225-RP
Art. no.: A5Q00012020

Manual call point FDM226
Manual call point with resettable plastic element incl. back box FDM226-RP
Art. no.: A5Q00013436

Manual call point FDM224
Electronic switching unit FDM224
Art. no.: A5Q00009392

Housing with glass and key: FDMH293-R
Art. no.: A5Q00004023

Manual call point FDM224H
Electronic switching unit FDM224H
Art. no.: A5Q00009392

Manual call point FDM223
Electronic switching unit FDM223
Art. no.: A5Q00003087

Housing with glass and key: FDMH293-R
Art. no.: A5Q00004023

Manual call point FDM223H
Electronic switching unit FDM223H
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*

Manual call point with glass plate FDM225-RG
Art. no.: A5Q00013434

Accessories*

Manual call point with glass plate incl. back box FDM226-RG
Art. no.: A5Q00013435

Accessories*

Housing yellow FDMH293-Y
Art. no.: A5Q00004908

Housing green FDMH293-G
Art. no.: A5Q00004911

Housing blue FDMH293-B
Art. no.: A5Q00004909

Housing orange FDMH293-O
Art. no.: S54311-F2-A1

Accessories*

Housing red FDMH292-R
Art. no.: A5Q00005525

Accessories*

Housing yellow FDMH293-Y
Art. no.: A5Q00004908

Housing green FDMH293-G
Art. no.: A5Q00004911

Housing blue FDMH293-B
Art. no.: A5Q00004909

Housing orange FDMH293-O
Art. no.: S54311-F2-A1

Accessories*

Housing yellow FDMH292-R
Art. no.: A5Q00005525

Accessories*

* See respective catalog page



Type Index

Type	Description	Order No.	Page
A5Q00004142	Lithium brownstone battery 9 V / 1 Ah	A5Q00004142	10-194
A5Q00004478	Screwed cable gland M20 x 1.5	A5Q00004478	2-31, 5-82, 5-85, 5-89, 5-91, 5-95, 5-97, 5-104, 5-115, 7-130, 7-137, 7-141, 7-144, 7-148, 7-150, 9-161, 9-172, 9-174-175, 9-180, 9-183, 9-185
A5Q00004479	Back nut M20	A5Q00004479	2-32, 5-83, 5-85, 5-115, 7-130, 7-141, 7-144, 9-172
A5Q00006735	Locking plug M20 x 1.5 (1 hole)	A5Q00006735	5-89, 5-95, 7-148, 9-183
A5Q00008131	V-plug PA M20 x 1.5	A5Q00008131	5-91, 5-97
A5Q00009786	Adapter with lever, screw and nut incl. attachment and bushing screw	A5Q00009786	12-206
A5Q00009787	Lever with screw and nut	A5Q00009787	12-206
A5Q00009788	Small flap with screw and nut	A5Q00009788	12-206
A5Q00009789	Large flap with screw and nut	A5Q00009789	12-206
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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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