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Cerberus PRO product catalog

Fire safety products and accessories

Everything you need for fire safety and security

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



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

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Does anyone know a clever fire safety system starting with a "C"?

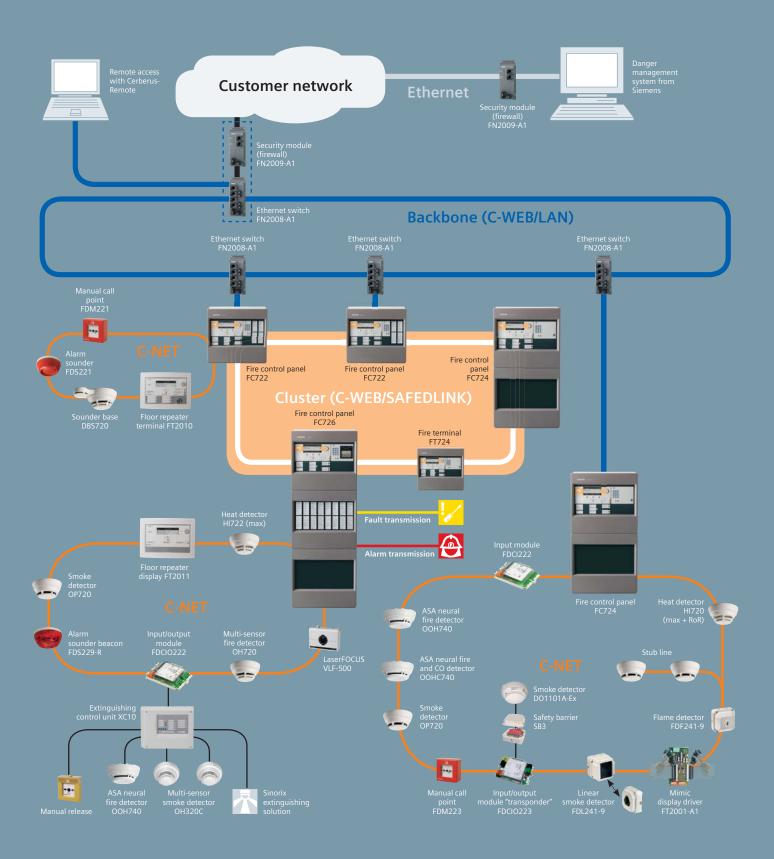
Cerberus PRO – enjoy protecting! The new generation of a clever fire safety system.

Protecting people and assets. Securing business processes and continuity. This is what fire protection is all about. Cerberus® PRO from Siemens is a smart fire safety system for fast, proven fire detection, alarm signaling and control. Its broad portfolio comprises powerful control panels from stand-alone to networkable units, reliable detectors with patented technology and a comprehensive range of loop-

powered peripheral devices. All system components have special safety features installed that increase safety even further – such as degrade mode in control panels or built-in isolators in each detector and peripheral device. Thanks to its straightforward system design, Cerberus PRO can be installed easily and quickly.

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

				Addres	sable o	devices	;			
	Optical detec- tor	Multi- sensor detec- tor	ASA neural fire detec- tor	ASA neural fire and CO detector	Heat detec- tors	Manual call points				
	OP720	OH720	00Н740	OOHC740	H1720/H1722 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 interface3 parameter sets only

Conventional and collective devices											Specia	l applio	ations	
Optical detector Optical detector detector			or Heat detectors		Manual call points		Special detectors							
OP320C/OP110	D01101A	DO1104A high sensitivity	ОН320С/ОН110	HI320C/HI110 rate of rise and maximum	HI322C/HI112 maximum	DT1101A rate of rise, harsh environment	DT1102A rate of rise and max, harsh environm.	DM1101/FDM1101A/FDM1101	DM1103 (IP65)/DM1104 (IP65)	FDF221-9 Infrared flame detector, single channel	FDF241-9 Infrared flame detector, three channels	FDL241-9 Linear smoke detector	LaserFOCUS VLF-250/VLF-500 Aspirating smoke detection	Ex detectors
(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	•	•	•	-	(■)
(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	•	•			(■)
(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	•				(■)
(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	(■)	•	•	•	•	(■)
		-												
														(■)
														(■)





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. Degrade 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 **ASA**technology™, Cerberus PRO provides detectors with excellent detection reliability and protection against false alarms – even in highly demanding environments. The clou: 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 standalone 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 campuswide networks
- Cerberus PRO portfolio reliable, high-quality products from Siemens

Stand-alone Fire Control Panels Fire Control Network Participants

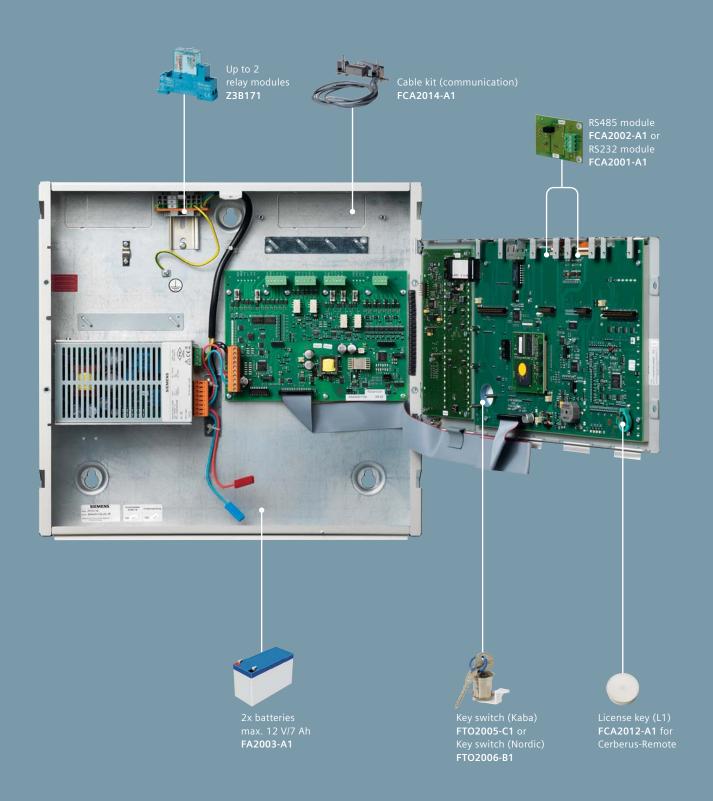


Ensuring comprehensive safety with powerful panels

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 snown with 24 indicator groups, each with one red and one yellow LED

FC72x Compact Fire Control Panels FC721 Series



FC721..

Type Order No.

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

The FC721.. is a compact fire control panel with integrated operating unit that can process signals from Cerberus® PRO devices of up to 126 addresses.

The fire control panel may be used as a stand-alone unit only. In addition, an Ethernet connection is available at each station. Via this fast Ethernet interface remote control service is possible. All detector lines are monitored for ground faults.

The Cerberus-Engineering-Tool permits the system to be adapted to specific customers' requirements. Up to 2000 events can be stored according to various criteria. Automatic summer/winter change. Detection and automatic read-in (auto-configuration) of all C-NET devices, providing immediate simple operation. Stored data can be uploaded via Cerberus-Remote access.

The FC721.. is ideally suited for smaller applications, e.g. in workshops, hotels, etc.

The expansion and accessories must be ordered separately.

Detector compatibility Cerberus PRO FD720

Number of addresses max. 126

Number of detector lines 1 loop or 2 stub lines

Programmable input/output 4

Supervised output 1 x RT alarm

1 x RT fault 1 x Horn 85... 265 VAC 21... 28.6 VDC

Mains voltage 85... 265 VA
Operating voltage 21... 28.6 VE
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 $-8... +42 \,^{\circ}\text{C}$ Storage temperature $-20... +60 \,^{\circ}\text{C}$

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) $430 \times 398 \times 80 \text{ mm}$ (without cover

cap)

430 x 398 x 108 mm (with cover

cap)

Data sheet A6V10203220

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Stand-alone Fire Control Panels

FC72x Compact Fire Control Panels FC721 Series

Туре			Order No.
FC721-ZZ	Fire control panel (1-loop) in h See FC721 for technical overvious specifications:	ousing (Eco) ew and note the additional / other	S54400-C32-A2
	Expansion	FCA2012-A1 License key (L1) FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated)	
	Accessories	FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard) 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 h	S54400-C32-A3	
	See FC721 for technical overvious specifications:		
(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	With 24 indicator groups, each v		
	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	

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FC72x Compact Fire Control Panels FC721 Series



Order No. Type

S54400-C32-A1 Fire control panel (1-loop) in housing (Eco) with EVAC operating FC721-HZ See FC721.. for technical overview and note the additional / other specifications: With 10 evacuation operating zones for Netherlands. FCA2012-A1 License key (L1) Expansion FCA2001-A1 RS232 module (isolat-FCA2002-A1 RS485 module (isolated) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard) Accessories DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (Communica-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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Stand-alone Fire Control Panels

FC72x Compact Fire Control Panels Expansion FC721

Expansion FC721			
Туре			Order No.
FCA2012-A1	License key (L1) iButton with license for: Sinteso TM -> SintesoView Cerberus [®] PRO -> Cerberus-Remo Only one license key is required p		A5Q00018856
FCA2001-A1	RS232 module (isolated) Module for periphery devices wit er FTO2001-A1. Plugged into the RS232 module incl. 1 EMC screw. Cable capacity Dimensions (W x H x D)		A5Q00005327
FCA2002-A1	RS485 module (isolated) Module for periphery devices wit Plugged into the back side of the RS485 module incl. 1 EMC screw. Cable capacity Dimensions (W x H x D)		A5Q00009923
FH7201-Z3	Housing (Eco) Empty housing for open use, e.g. ating add-on, event printer or minor (Cabinet dimensions (W x H x D)) Color housing/cover Protection category Integral battery space Expansion	power supply kit with batteries, opermic display. 430 x 398 x 80 mm grey, ~RAL 7035/grey, ~RAL-Design 050 00 00 IP30 2 x FA2003-A1 (7 Ah) Event printer FCM7205-Y3 Operating add-on (1xLED-ind.) FCM7211-Y3 Operating add-on (2xLED-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W)	S54400-B72-A1

FC72x Compact Fire Control Panels Expansion FC721



Type Order No.

FH7202-Z3

Housing (Standard)

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

Cabinet dimensions (W x H x D) 430 x 398 x 160 mm

Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design

050 00 00

Protection category IP30

Integral battery space 2 x FA2003-A1 (7 Ah) or

2 x FA2004-A1 (12 Ah) or 2 x FA2006-A1 (26 Ah)

Expansion FCM7205-Y3 Operating add-on

(1xLED-ind.)

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)

FTO2001-A1 Event printer

FTO2001-A1



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 @ 9 VDC
0.7 A @ 48 VDC

Interface RS232 serial
Operating temperature 0... +50 °C
Storage temperature -20... +70 °C

Relative humidity ≤95 % (no condensation)

Dimensions (W x H x D) 85 x 85 x 55 mm

FP2003-A1



Power supply kit (70 W)

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

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

A5Q00016005

A5Q00010126

S54400-B70-A1

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Stand-alone Fire Control Panels FC72x Compact Fire Control Panels Expansion FC721 Order No. Type A5Q00020825 FP2004-A1 Power supply kit (150 W, A) Power supply kit (150 W, A) as auxiliary power supply for installation into empty housings. Converts mains voltage to system voltage. Monitors mains voltage and batteries. Supply voltage 115... 230 VAC Power consumption max. 300 VA Current 2.6 / 1.2 A Dimensions (W x H x D) 130 x 150 x 70 mm

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FC72x Compact Fire Control Panels Accessories FC721



Accessories FC721			
Туре			Order No.
FTO2005-C1	Key switch (Kaba) Kaba key switch with mounting an option for operating acces	ng accessories and key (Kaba 8 #100), as s (operating unit).	A5Q00010113
FTO2006-B1	Key switch (Nordic) Nordic key switch with mount option for operating access (c	ting accessories and key (Nordic), as an operating unit).	A5Q00010129
Z3B171	Relay module with 1 contact. The relay module is an addition by the fire control panel's contact rating. Delivery unit	onal fire event control module, activated	BPZ:4843830001
FHA2016-A1	19" mounting kit	nd fire terminals in a 19" third-party hous- $430 \times 100 \times 324$ mm	A5Q00020179
FHA2017-A1	Flush mounting bezel one H Optimal bezel for flush mountaind operating terminals Color Dimensions (W x H)	ting installation for all fire control panels white, ~RAL 9010 530 x 500 mm	A5Q00024719

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FC72x Compact Fire Control Panels Accessories FC721

Type Order No.

FCA2014-A1

Cable kit (communication)

A5Q00023027



For flexible cable connections to the modules on the PMI & main board.

DL3750+

Matrix printer external

A5Q00023962



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

The RS232 module FCA2001-A1 is required to operate the printer and must be ordered separately.

Number of copies 5 incl. original

Character set

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 \leq 95 % (no condensation) Dimensions (W x H x D) 415 x 120 x 330 mm



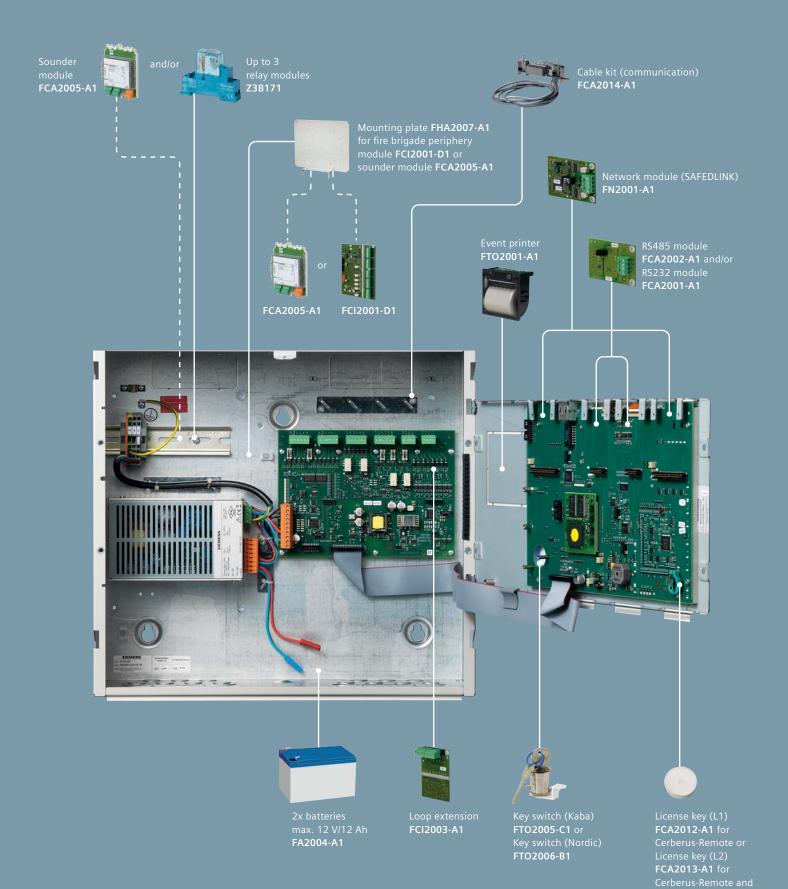
Cerberus PRO – ensuring comprehensive fire safety with powerful panels

Combining high security standards with the latest technology

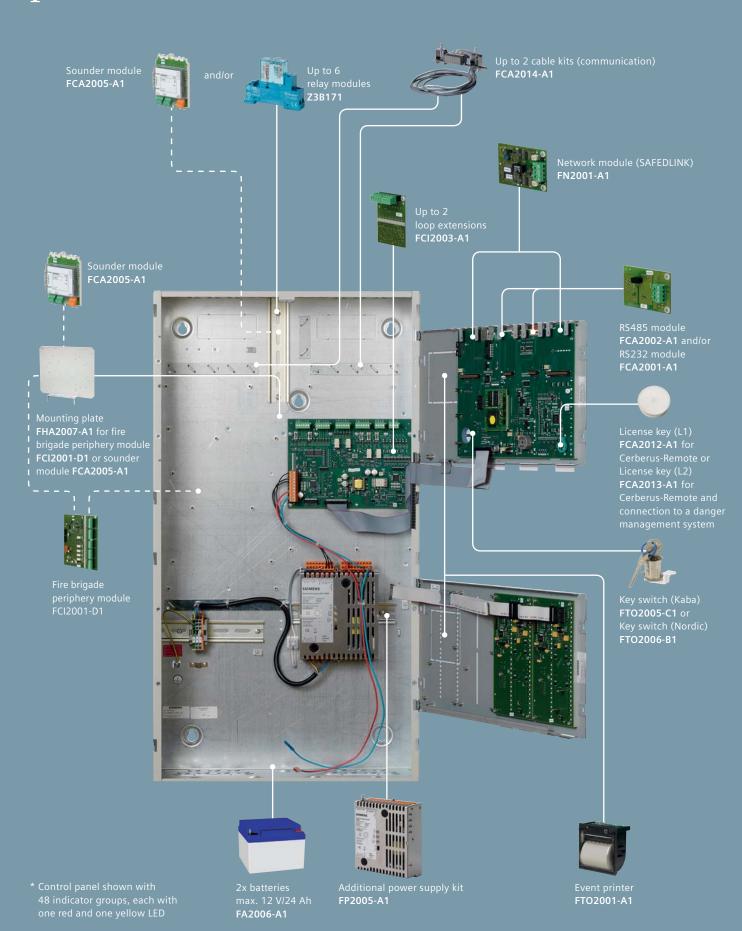
Whether small or very large networks — with Cerberus® PRO, you always have the right control panel at hand. They are competitive for simple applications, yet powerful enough for every application, which make them the ideal choice whatever the size and complexity of your project. Moreover, the control 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.

Networkable addressable fire control panel FC722 Standard



Networkable addressable fire control panel FC722 Comfort*



Fire Control Network Participants FC72x Networkable Fire Control Panels FC722 Series

Type			Order No.
Туре			Order No.
FC722	Fire control panel (2-loop) in	housing (Standard)	FC722
	with an integrated operating up berus PRO devices of up to 252 used as a stand-alone version or a user-friendly Cerberus-Engine versatility. Up to 32 fire control nected in a single cluster (C-WE els when the cluster is connected using a fiber-optic backbone (Cowith up to 16 panels each can be construction of an EN 54-conformals and fire terminals. All detector lines are monitored Adaptation of the user text directions criteria. Automatic supplementation of the user text direction and automatic readidevices, providing immediate sistored data can be uploaded vither EC722 is ideally suited for workshops, hotels, etc. or when	ectly on the terminal or with the to 2000 events can be stored according ummer/winter time change. In (auto configuration) of all C-NET imple operation. a Cerberus-Remote access. In medium-sized applications, e.g. in networked as part of much larger applice cross-linking possibilities can also be	
	Detector compatibility Number of addresses Number of detector lines Programmable input/output Relay outputs Supervised output	Cerberus PRO FD720 max. 252 2 (4) loops or 4 (8) stub lines 8 1 x RT alarm 1 x RT fault 1 x RT fault 1 x horn	
	Emergency power supply Plug-in position Operating temperature Storage temperature Relative humidity Protection category Color housing/cover	up to 72 h (optional) 2 -> for serial interfaces RS232, RS485 2 -> for network modules 1 -> for loop extension (C-NET) -8 +42 °C -20 +60 °C ≤95 % (no condensation) IP30 grey, ~RAL 7035/grey, ~RAL-Design 050 00	
	Data sheet	A6V10206525	

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Fire Control Network Participants

FC72x Networkable Fire Control Panels FC722 Series

Accessories



S54400-C29-A5

Type Order No.

FC722-ZZ

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

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



Mains voltage85... 265 VACOperating voltage21... 28.6 VDCOperating currentmax. 2.5 APower supply70 W

Battery capacity 2 x 12 V, 7... 12 Ah

Cabinet dimensions (W x H x D) 430 x 398 x 160 mm (without cover

cap)

430 x 398 x 188 mm (with cover

cap)

Expansion FCA2001-A1 RS232 module (isolat-

ed)

FCA2002-A1 RS485 module (isolat-

ed)

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 DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communica-

tion)

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

Туре			Order No.
FC722-YZ	Fire control panel (2-loop) in ho	ousing (Standard) with 1 LED	S54400-C29-A4
	See FC722 for technical overvie specifications:	w and note the additional / other	
Ness	With 24 indicator groups, each w		
	Mains voltage Operating voltage Operating current Power supply Battery capacity Cabinet dimensions (W x H x D)	85 265 VAC 21 28.6 VDC max. 2.5 A 70 W 2 x 12 V, 7 12 Ah 430 x 398 x 160 mm (without cover cap)	
	Expansion	430 x 398 x 188 mm (with cover cap) 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 Network module (SAFEDLINK) FN2002-A1 Repeater (SAFEDLINK) FN2008-A1 Ethernet switch FN2009-A1 Security module 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

Accessories



S54400-C29-A2

Type Order No.

FC722-ZA

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

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

Mains voltage230 VACOperating voltage21... 28.4 VDCOperating currentmax. 5 APower supply150 WBattery capacity2 x 12 V, 26 Ah

Battery capacity 2 x 12 V, 26 Ah
Cabinet dimensions (W x H x D) 430 x 796 x 160 mm (without cover

cap)

430 x 796 x 188 mm (with cover

cap)

Expansion FCA2001-A1 RS232 module (isolat-

ed)

FCA2002-A1 RS485 module (isolat-

ed)

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 (communica-

tion)

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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FC72x Networkable Fire Control Panels FC722 Series

Order No. Type S54400-C29-A1 FC722-ZE Fire control panel (2-loop) in housing (Comfort) with 2 LED indicators See FC722.. for technical overview and note the additional / other specifications: With 48 indicator groups, each with one red and one yellow LED. Mains voltage 230 VAC Operating voltage 21... 28.4 VDC Operating current max. 5 A 150 W Power supply **Battery capacity** 2 x 12 V, 26 Ah Cabinet dimensions (W x H x D) 430 x 796 x 160 mm (without cover 430 x 796 x 188 mm (with cover cap) Expansion FCA2001-A1 RS232 module (isolat-FCA2002-A1 RS485 module (isolat-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, 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

Fire Control Network Participants

FC72x Networkable Fire Control Panels FC722 Series

Accessories



Order No. Type

FC722-HA



Fire control panel (2-loop) in housing (Comfort) with EVAC operat- S54400-C29-A3 ing unit

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

With 10 evacuation operating zones for Netherlands.

Mains voltage 230 VAC Operating voltage 21... 28.4 VDC Operating current max. 5 A 150 W Power supply **Battery capacity** 2 x 12 V, 26 Ah

Cabinet dimensions (W x H x D) 430 x 796 x 160 mm (without cover

430 x 796 x 188 mm (with cover

Expansion FCA2001-A1 RS232 module (isolat-

FCA2002-A1 RS485 module (isolat-

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,

FTO2001-A1 Event printer DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communica-

tion) FHA2015-A1 Flush mounting bezel

two HU

FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel

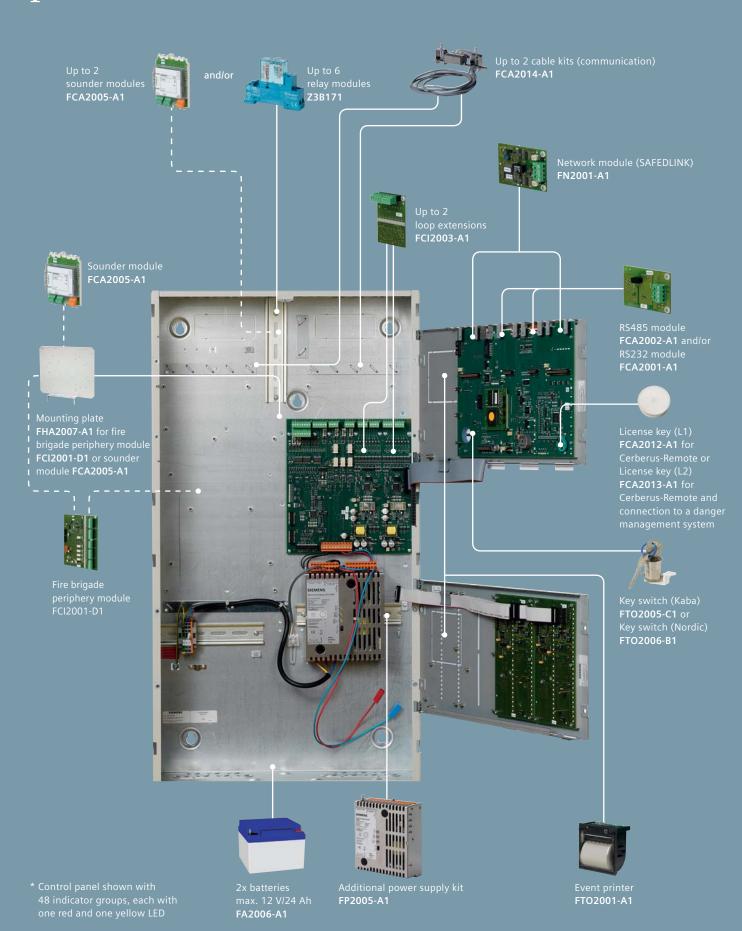
one HU

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

Z3B171 Relay module

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Networkable addressable fire control panel FC724 Comfort*



Fire Control Network Participants

FC72x Networkable Fire Control Panels FC724 Series



FC724..

Type Order No.

FC724.. Fire control panel (4-loop)

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.

Adaptation of the user text directly on the terminal or with the Cerberus-Engineering-Tool. Up to 2000 events can be stored according to various criteria. Automatic summer/winter time change. Detection and automatic read-in (auto configuration) of all C-NET devices, providing immediate simple operation.

Stored data can be uploaded via Cerberus-Remote access.

The FC724.. is ideally suited for 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.

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

1x RT alarm

Supervised output 1x RT alarr

1x RT fault 2x Horn 230 VAC

Mains voltage230 VACOperating voltage21... 28.6 VDCOperating currentmax. 5 APower supply150 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 modules2 -> for loop extension (C-NET)

Operating temperature $-8... +42 \,^{\circ}\text{C}$ Storage temperature $-20... +60 \,^{\circ}\text{C}$

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 (without cover

cap)

430 x 796 x 188 mm (with cover

cap)

Data sheet A6V10207176

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Fire Control Network Participants FC72x Networkable Fire Control Panels FC724 Series

Туре			Order No.
FC724-ZA	Fire control panel (4-loop) See FC724 for technical over specifications:	S54400-C30-A2	
	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 FC724 Series



Type Order No.

FC724-ZE



Fire control panel (4-loop) with 2 LED indicators

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

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

Expansion

FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolat-

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 DL3750+ Matrix printer (Ex

DL3750+ Matrix printer (Extern)
FCA2014-A1 Cable kit (communica-

tion)

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

S54400-C30-A3

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FC72x Networkable Fire Control Panels FC724 Series

Accessories

Type Order No.

FC724-HA



Fire control panel (4-loop) with EVAC operating unit

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

With 10 evacuation operating zones for Netherlands.

Expansion FCA2001-A1 RS232 module (isolat-

ed)

FCA2002-A1 RS485 module (isolat-

ed)

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)

FCA2014-A1 Cable kit (communica-

tion)

FHA2015-A1 Flush mounting bezel

two HU

FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel

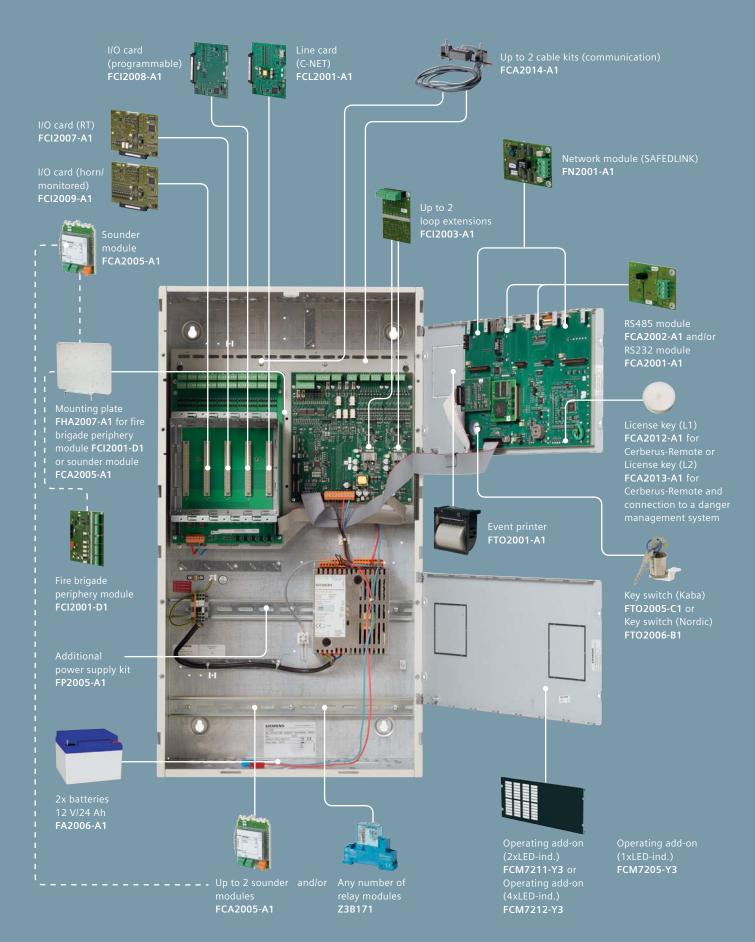
one HU

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

Z3B171 Relay module

S54400-C30-A1

Networkable addressable modular fire control panel FC726



Fire Control Network Participants FC72x Networkable Fire Control Panels FC726 Series

FC726 Series			
Туре			Order No.
FC726	Fire control panel (modular)		FC726
FC726	The FC726 (4-loop, expandabl panel with an integrated operat Cerberus PRO devices of up to 19 fire control panel equipment is used (C-NET) or I/O cards. A mix and I/O cards can be exchanged panel. The fire control panel can be used worked. The control panel can be Cerberus-Engineering-Tool to crup to 32 fire control panels and figle cluster (C-WEB/SAFEDLINK in cluster is connected to a danger optic backbone (C-WEB/LAN) uppanels each can be networked. To fan EN 54-conform network with terminals. All detector lines are and Adaptation of the user text direct engineering tool. Up to 2000 ever criteria. Automatic summer/win matic read-in (auto configuration diate simple operation. Stored d. The FC726 is ideally suited for woffice buildings, university campaross linking possibilities can als expansion and accessories must		
	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 Power supply	max. 5 A 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 Standard	IP30 EN 54-2 EN 54-4	
	Standard Color housing/cover	EN 54-2, EN 54-4 grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
	Cabinet dimensions (W x H x D)	430 x 796 x 260 mm (without cover cap) 430 x 796 x 288 mm (with cover	
	Data sheet	cap) A6V10263277	

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FC72x Networkable Fire Control Panels FC726 Series



S54400-C87-A1

Order No. Type

FC726-ZA



Fire control panel (modular)

See FC726.. for technical overview and note the additional / other specifications:

Expansion

Accessories

FCA2001-A1 RS232 module (isolat-

FCA2002-A1 RS485 module (isolated)

FCA2005-A1 Sounder module FCA2008-A1 Card cage (5 slots) FCA2012-A1 License key (L1) FCA2013-A1 License key (L2) FCI2001-A1 Fire brigade periphery module kit

FCI2003-A1 Loop extension (FDnet/C-NET)

FCI2007-A1 I/O card (RT)

FCI2008-A1 I/O card (programma-

ble)

FCI2009-A1 I/O card (horn/monitored)

FCL2001-A1 Line card (FDnet/ C-NET)

FH7204-Z3 Housing (Large Exten-

sion)

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) FN2006-A1 Fiber network module (SM)

FN2007-A1 Fiber network module

(MM)

FN2008-A1 Ethernet module FN2009-A1 Security module

DL3750+ Matrix printer FCA2014-A1 Cable kit (communica-

FHA2015-A1 Flush mounting bezel

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 **Expansion FC72x**

Туре			Order No.
FCI2003-A1	Loop extension (FDnet/C-NET)	•	A5Q00010136
Total Control of the	from 2 to 4. The number of FDn unchanged. Plugged onto the periphery boa	mber of connectable loops is doubled et/C-NET addresses per station remains rd of the control panel. Each integrated oop extension (exclude FC721).	
	Number of detector lines Cable capacity Dimensions (W x H x D)	2 loops or 4 stub lines 0.2 1.5 mm ² 48 x 20 x 70 mm	
FCL2001-A1	Line card (FDnet/C-NET)		A5Q00009875
	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.		
	Number of detector lines	4 loops or 8 stub lines	
	Number of addresses Input current	max. 252 max. 0.8 A	
FCI2007-A1	I/O card (RT)		S54400-A20-A1
	card cage (5 slots) of the fire co 2x monitored outputs for RT ala 1x relay output RT alarm 1x monitored output RT fault 1x relay output RT fault 2x I/O	and faults. The card is mounted in the introl panel FC2060/FC2080/FC726. Irm / Horns ssible during operation (Hot Plug).	
	Data sheet		
FCI2008-A1	I/O card (programmable)		S54400-A6-A1
		d with programmable inputs and out- rated inputs and outputs. The card is ots) of the fire control panel	
tomanno distanti di si	Input current	max. 2 A	
FCI2009-A1	I/O card (horn/monitored)		S54400-A21-A1
	For 8 monitored horn lines or m in the card cage (5 slots) of the FC2060/FC2080/FC726. 8x monitored outputs Configurable as supervised horn controls max. 2 A / output max. 4 A / card	conitored outputs. The card is mounted fire control panel n outputs / flashing lights or fire ssible during operation (Hot Plug).	

FC72x Networkable Fire Control Panels Expansion FC72x



Order No. Type A5Q00018856 FCA2012-A1 License key (L1) iButton with license for: SintesoTM -> SintesoView Cerberus® PRO -> Cerberus-Remote Only one license key is required per station. A5Q00018857 FCA2013-A1 License key (L2) iButton with license for: Sinteso -> SintesoView and BACnet Cerberus PRO -> Cerberus-Remote and BACnet Only one license key is required per station. A5Q00010126 FTO2001-A1 **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. 9... 48 VDC Operating voltage Quiescent current 50 mA Operating current 3 A @ 9 VDC 0.7 A @ 48 VDC RS232 serial Interface Operating temperature 0... +50 °C -20... +70 °C Storage temperature Relative humidity ≤95 % (no condensation) Dimensions (W x H x D) 85 x 85 x 55 mm A5Q00010151 FHA2007-A1 Mounting plate The mounting plate must be screwed onto the back wall of the housing. The mounting plate can pivot, allowing access to the underlying module, i.e. to mount the fire brigade periphery module or the sounder modules. Dimensions (W x H x D) 221 x 241 x 46 mm A5Q00013100 FCI2001-D1 Fire brigade periphery module For VdS-compliant switching to fire department periphery devices (for Germany). The module has connections for FBF, FSD, ÜE, FSE, ÖA, KL, tamper alarm FSD. Mounted in the housing on the mounting plate FHA2007-A1, or on the back wall of the housing.

Operating voltage 21... 28.6 VDC Operating current max. 1.6 A

Cable capacity 0.2... 1.5 mm² / 0.5... 2.5 mm²

Dimensions (W x H x D) 150 x 190 x 40 mm

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Fire Control Network Participants FC72x Networkable Fire Control Panels **Expansion FC72x**

Туре			Order No.
FCI2005-N1	RT Interface Set		A5Q00026302
	For fire department periphery dev Mounted in the housing on the m		
minim	Operating voltage Operating current	20 30 VDC max. 20 mA	
	Cable capacity Dimensions (W x H x D)	0.4 1.5 mm ² / 0.2 2.5 mm ² 190 x 150 x 36 mm	
FCA2005-A1	Sounder module		A5Q00014866
SHEMENS (Spin-	onto 4 individual lines. Each line sounder. 2 sounder modules can cascaded. The sounder module can be mou	•	
Vds	Operating voltage	21 28.6 VDC	
1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Quiescent current	20 mA	
2111	Operating current	max. 2 A (fused with 2 AT)	
C. C.	Supervised output	4 x 1 A	
	Cable capacity	0.08 1.5 mm ² ≤95 %	
	Relative humidity Color housing/cover	white, ~RAL 9010/transparent matt	
	Protection category	IP30	
	Dimensions (W x H x D)	132 x 90 x 24 mm	
	Accessories		
TS35_122	U-rail TS35/7.5/122		BPZ:5644780001
	Universal mounting rail (U-rail) er ment.	nables mounting of various equip-	
	Dimensions (W x H)	35 x 122 mm	
TS35_288	U-rail TS35/7.5/288		BPZ:5644230001
	Universal mounting rail (U-rail) en ment.	nables mounting of various equip-	
	Dimensions (W x H)	35 x 288 mm	

FC72x Networkable Fire Control Panels Expansion FC72x



Type Order No.

FDCH221

Housing for input/output modules

S54312-F3-A1



Housing with seal for the mounting of the input/output modules for wet applications.

The required screwed cable glands and back nuts M20 must be ordered separately.

Dimensions (W x H x D) 207 x 119 x 48 mm

Color white, ~RAL 9010 / transparent matt

Protection category IP65

Accessories A5Q00004478 Screwed cable

gland M20

A5Q00004479 Back nut M20

A5Q00004478

Screwed cable gland M20 x 1.5

A5Q00004478



The screwed cable gland is for M20 cable feed-through. It enables high-

er protection category.

Delivery unit 10 pieces

A5Q00004479

Back nut M20

A5Q00004479



Back nut to screwed cable gland M20 \times 1.5.

Delivery unit 10 pieces

FCA2001-A1

RS232 module (isolated)

A5Q00005327



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

 Cable capacity
 0.2... 1.5 mm²

 Dimensions (W x H x D)
 50 x 15 x 70 mm

FCA2002-A1

RS485 module (isolated)

A5Q00009923



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

KS485 module Incl. TEMC screwed cable gland MTU \times 1.5

 Cable capacity
 0.2...1.5 mm²

 Dimensions (W x H x D)
 50 x 15 x 70 mm

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Fire Control Network Participants FC72x Networkable Fire Control Panels **Expansion FC72x**

Туре			Order No.
FH7201-Z3	Housing (Eco) Empty housing for open use, e.g. ating add-on, event printer or mir	power supply kit with batteries, oper-	S54400-B72-A1
	Cabinet dimensions (W x H x D) Color housing/cover Protection category Integral battery space Expansion	430 x 398 x 80 mm grey, ~RAL 7035/grey, ~RAL-Design 050 00 00 IP30 2 x FA2003-A1 (7 Ah) Event printer FCM7205-Y3 Operating add-on (1xLED-ind.) FCM7211-Y3 Operating add-on (2xLED-ind.) FCM7212-Y3 Operating add-on (4xLED-ind.) FP2003-A1 Power supply kit (70 W)	
FH7202-Z3	Housing (Standard)		S54400-B70-A1
Hain	Empty housing for open use, e.g. ating add-on or for the event prir	power supply kit with batteries, oper- nter.	
	Cabinet dimensions (W x H x D) Color housing/cover Protection category Integral battery space Expansion	430 x 398 x 160 mm grey, ~RAL 7035/grey, ~RAL-Design 050 00 00 IP30 2 x FA2003-A1 (7 Ah) or 2 x FA2004-A1 (12 Ah) or 2 x FA2006-A1 (26 Ah) FCM7205-Y3 Operating add-on (1xLED-ind.) 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) FTO2001-A1 Event printer	

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FC72x Networkable Fire Control Panels Expansion FC72x



Type Order No.

FH7203-Z3



Housing (Comfort)

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

Cabinet dimensions (W x H x D) 430 x 398 x 260 mm

Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design

050 00 00

Protection category IP30

Integral battery space 2 x FA2003-A1 (7 Ah) or

2 x FA2004-A1 (12 Ah) or 2 x FA2005-A1 (17 Ah) or 2 x FA2006-A1 (26 Ah)

Expansion FCM7205-Y3 Operating add-on

(1xLED-ind.)

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)

FTO2001-A1 Event printer

FH7204-Z3



Housing (Large Extension)

Empty housing for open application, e.g. additional batteries, for operating add-ons or for the event printer.

Cabinet dimensions (W x H x D) 430 x 398 x 260 mm

Color housing/cover grey, ~RAL 7035/grey, ~RAL-Design

050 00 00

Protection category IP30

Integral battery space $2 \times FA2007-A1 (45 \text{ Ah}) \text{ or}$

2 x FA2008-A1 (65 Ah) or 2 x FA2009-A1 (100 Ah)

Expansion FCM7205-Y3 Operating add-on

(1xLED-ind.)

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)

FTO2001-A1 Event printer

S54400-B71-A1

S54400-B89-A1

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Fire Control Network Participants FC72x Networkable Fire Control Panels **Expansion FC72x**

Туре			Order No.
FH7205-Z3	Housing (Large)		S54400-B86-A1
-	Empty housing for open applicati ating add-ons or for the event pri	on, e.g. additional batteries, for opernter.	
	Cabinet dimensions (W x H x D) Color housing/cover	430 x 796 x 260 mm grey, ~RAL 7035/grey, ~RAL-Design 050 00 00	
	Protection category	IP30	
	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)	
	Expansion	FCM7205-Y3 Operating add-on (1xLED-ind.) 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) FTO2001-A1 Event printer	
FCM7205-Y3	Operating add-on (1xLED-ind.)		S54400-F82-A1
	To update 24 LED display groups, with one red and one yellow LED each. Can be inserted in all empty housings. Inclusive cables and screws for installation.		
	Dimensions (W x H x D)	427 x 200 x 25 mm	
FCM7211-Y3	Operating add-on (2xLED-ind.)		S54400-F75-A1
	To update 48 LED display groups, each. Can be inserted in all empty hous Inclusive cables and screws for in		
	Dimensions (W x H x D)	427 x 200 x 25 mm	
FCM7212-Y3	Operating add-on (4xLED-ind.)		S54400-F88-A1
		with one red and one yellow LED	
	each. Can be inserted in all empty hous Inclusive cables and screws for in		
	Dimensions (W x H x D)	427 x 200 x 25 mm	

FC72x Networkable Fire Control Panels Expansion FC72x



Type Order No.

FCM7221-H3



Operating add-on (2xEVAC)

The operating add-on is composed of an operation of 10 zones and an extension of another 10 zones. This application completes the fire control panel with evacuation operating panel used by the fire brigade to activate or deactivate alarming devices in single zones. The operating add-on can be directly mounted into a fire control panel. When the operating add-on is used remote from the control panel in a separate housing the connector board FTI2001-N1 is necessary.

Connection to fire control panel via serial RS485 interface. Inclusive cables and screws for installation.

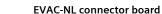
The RS485 module and the connector board FTI2002-N1 must be

ordered separately.

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

 Data sheet
 A6V10223093

FTI2002-N1





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

The RS485 module must be ordered separately and to be mounted in the control panel.

Supply voltage 20... 32 VDC

Operating current max. 190 mA @ 21 VDC

 Cable capacity
 0.5... 1.5 mm²

 Dimensions (W x H x D)
 121 x 130 x 32 mm

 Data sheet
 A6V10223093

FT2003-N1



Mimic display driver (EVAC)

The mimic display driver is necessary if the evacuation panel has to be built in a customer-specific housing with customized LEDs and keys in a plant layout (mimic display). The mimic display is composed of a connector board and a print of the operating add-on.

In order to realize a panel for 20 evacuation zones, 2 mimic display drivers are required (Master and Slave).

The 34-pin ribbon cable for connection of LEDs, keys and key switch must be provided by the customer.

The RS485 module must be ordered separately and mounted in the control panel.

Supply voltage 20... 32 VDC

Operating current max. 190 mA @ 21 VDC

 Cable capacity
 0.5... 1.5 mm²

 Dimensions (W x H x D)
 121 x 206 x 47 mm

 Data sheet
 A6V10223093

FP2003-A1



Power supply kit (70 W)

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

Supply voltage 85... 265 VAC
Power consumption max. 90 VA
Current 0.5... 1 A

Dimensions (W x H x D) 95 x 170 x 54 mm

S54400-F78-A1

S54400-A15-A1

S54400-A14-A1

A5Q00016005

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Fire Control Network Participants FC72x Networkable Fire Control Panels **Expansion FC72x**

ty housings.	as auxiliary power supply for installation stem voltage. Monitors mains voltage 115 230 VAC max. 300 VA	
oltage onsumption	115 230 VAC max. 300 VA	
,	2.6 / 1.2 A 130 x 150 x 70 mm	
upply kit (150 W, B)		A5Q00018779
Power supply kit (150 W, B) Power supply kit (150 W, B) as auxiliary power supply for cascading. Converts mains voltage to system voltage. Monitors mains voltage and batteries.		g. and
oltage onsumption	115 230 VAC max. 300 VA 2.6 / 1.2 A	
o or	nains voltage to sy Itage nsumption	nains voltage to system voltage. Monitors mains voltage Itage 115 230 VAC nsumption max. 300 VA

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



Type Order No.

FN2001-A1



Network module (SAFEDLINK)

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.

Cable capacity $0.2... 1.5 \text{ mm}^2$ Dimensions (W x H x D) $50 \times 20 \times 70 \text{ mm}$

A5Q00012851

S24236-B2502-A1

FN2002-A1



Repeater (SAFEDLINK)

Cable capacity

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.

The repeater can be mounted directly on a plane surface, onto a U-rail TS35 with the enclosed mounting feet or in the housing FDCH221. The accessories must be ordered separately.

Communication protocol SAFEDLINK (UDP/IP)
Operating voltage 9... 30 VDC
Operating current max. 45 mA

Relative humidity ≤95 %

Color housing/cover white, ~RAL 9010/transparent matt

0.08... 1.5 mm²

Protection category IP3

IP65 with aux. housing FDCH221

Dimensions (W x H x D) 132 x 90 x 24 mm

Accessories TS35_122 U-rail
TS35_288 U-rail

FDCH221 Housing IP65

FN2006-A1



Fiber network module (SM)

With the fiber-optic cable network module Single Mode (SM), stations can be networked over great distances by means of glass fiber-optic cables using the system bus FCnet/C-WEB//SAFEDLINK. The single mode transmission goes up to 40 km.

S54400-A109-A1

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

Order No. Type FN2007-A1 S54400-A110-A1 Fiber network module (MM) With the fiber-optic cable network module Multi Mode (MM), stations can be networked over great distances by means of glass fiber-optic cables using the system bus FCnet/C-WEB/SAFEDLINK. The multi mode transmission goes up to 4 km.

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



Network Compon	ents Backbone (C-WEB/LAN)	
Туре		Order No.
FN2008-A1	Ethernet switch 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.	S54400-F94-A1
FN2009-A1	Security module Protects devices and networks in automation and industrial communication with a combination of different security measures such as firewall 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).	S54400-F95-A1
FHA2029-A1	Mounting kit for Ethernet switch (Comfort)	S54400-B79-A1
FHA2030-A1	Mounting kit for Ethernet switch (Large Extension)	S54400-B81-A1

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Fire Control Network Participants FC72x Networkable Fire Control Panels **Accessories FC72x**

Туре			Order No.
FTO2005-C1	Key switch (Kaba) Kaba key switch with mounting accean option for operating access (oper	essories and key (Kaba 8 #100), as ating unit).	A5Q00010113
FTO2006-B1	Key switch (Nordic) Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).		A5Q00010129
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.		BPZ:4843830001
	Contact rating 2	50 VAC / 10 A 0 pieces	
FHA2015-A1	Flush mounting bezel two HU Optimal bezel for flush mounting installation for all fire control panels and operating terminals		A5Q00024621
		vhite, ~RAL 9010 30 x 886 mm	

FC72x Networkable Fire Control Panels Accessories FC72x



Order No. Type A5Q00020179 FHA2016-A1 19" mounting kit To install fire control panels and fire terminals in a 19" third-party hous-Dimensions (W x H x D) 430 x 100 x 324 mm A5Q00024719 FHA2017-A1 Flush mounting bezel one HU Optimal bezel for flush mounting installation for all fire control panels and operating terminals white, ~RAL 9010 Color Dimensions (W x H) 530 x 500 mm A5Q00023027 FCA2014-A1 Cable kit (communication) For flexible cable connections to the modules on the PMI & main board. A5Q00023962

DL3750+



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.

Number of copies 5 incl. original

Character set

Resolution 360 x 360 dpi RS232 or Interface

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

Туре			Order No.
FT724	Fire terminal		FT724
	The FT724 fire terminal is an oper control panel that can be operated as an option. The operating unit if faces such as RS232, RS485, network key switch. Up to 32 fire control prected in a single cluster (C-WEB/els when the cluster is connected Using a fiber-optic backbone (C-With up to 16 panels each can be construction of an EN 54-conform panels and fire terminals.	erating panel remote from the central ed with its own power supply as well, has installation slots for optional intervorking modules (SAFEDLINK) and a panels and fire terminals can be con-SAFEDLINK network), or up to 16 panel to a danger management system. WEB/LAN) up to 14 of these clusters networked. This topology enables them network with up to 64 fire control ower supply kit (70 W) and batteries separately.	
	Operation valters	21 20 CVDC	
	Operating voltage	21 28.6 VDC	
	Quiescent current Alarm current	125 mA 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 (without cover cap) 430 x 398 x 108 mm (with cover	
	Data sheet	cap) A6V10207898	

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FT724 Networkable Fire Operating Terminals FT724 Operating Terminal to FC72x



Type Order No.

FT724-ZZ



Fire terminal

See FT724.. for technical overview and note the additional / other specifications:

Expansion FCA2001-A1 RS232 module (isolat-

ed)

FCA2002-A1 RS485 module (isolat-

ed)

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 moduel FP2003-A1 Power supply kit (70 W)

FTO2001-A1 Event printer

DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communica-

tion)

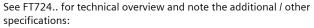
FHA2016-A1 19" mounting kit FHA2017-A1 Flush mounting bezel

one HU

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

FT724-HZ





With 10 evacuation operating zones for Netherlands.

Expansion

Accessories

FCA2001-A1 RS232 module (isolat-

FCA2002-A1 RS485 module (isolat-

ed)

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)

Accessories DL3750+ Matrix printer (Extern) FCA2014-A1 Cable kit (communica-

tion)

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

S54400-C31-A2

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Fire Control Network Participants FT724 Networkable Fire Operating Terminals Expansion FT724

	Order No.
License key (L1) iButton with license for: Sinteso TM -> SintesoView Cerberus® PRO -> Cerberus-Remote Only one license key is required per station.	A5Q00018856
License key (L2) iButton with license for: Sinteso -> SintesoView and BACnet Cerberus PRO -> Cerberus-Remote and BACnet Only one license key is required per station.	A5Q00018857
Network module (SAFEDLINK) To network multiple stations in the FCnet/C-WEB cluster. Up to 32 els can be networked. Plugged into the back side of the operating Cable capacity 0.2 1.5 mm ² Dimensions (W x H x D) 50 x 20 x 70 mm	
RS232 module (isolated) Module for periphery devices with RS232 interface, e.g. for event per FTO2001-A1. Plugged into the back side of the operating unit. RS232 module incl. 1 EMC screwed cable gland M10 x 1.5. Cable capacity Dimensions (W x H x D) 0.2 1.5 mm ² 50 x 15 x 70 mm	A5Q00005327 print-
RS485 module (isolated) Module for periphery devices with RS485 interface, e.g. for FAT (6) Plugged into the back side of the operating unit. RS485 module incl. 1 EMC screwed cable gland M10 x 1.5. Cable capacity 0.21.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm	A5Q00009923 GER).
	iButton with license for: SintesoTM -> SintesoView Cerberus® PRO -> Cerberus-Remote Only one license key is required per station. License key (L2) iButton with license for: Sinteso -> SintesoView and BACnet Cerberus PRO -> Cerberus-Remote and BACnet Only one license key is required per station. Network module (SAFEDLINK) To network multiple stations in the FCnet/C-WEB cluster. Up to 32 els can be networked. Plugged into the back side of the operating Cable capacity 0.2 1.5 mm² Dimensions (W x H x D) 50 x 20 x 70 mm RS232 module (isolated) Module for periphery devices with RS232 interface, e.g. for event er FTO2001-A1. Plugged into the back side of the operating unit. RS232 module incl. 1 EMC screwed cable gland M10 x 1.5. Cable capacity 0.2 1.5 mm² Dimensions (W x H x D) 50 x 15 x 70 mm RS485 module (isolated) Module for periphery devices with RS485 interface, e.g. for FAT (CPlugged into the back side of the operating unit. RS485 module incl. 1 EMC screwed cable gland M10 x 1.5.

FT724 Networkable Fire Operating Terminals **Expansion FT724**



Order No. Type

FP2003-A1



Power supply kit (70 W)

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

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

FH7201-Z3



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

Protection category

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

FCM7205-Y3 Operating add-on (1xLED-ind.)

FCM7211-Y3 Operating add-on

(2xLED-ind.)

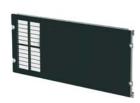
FCM7212-Y3 Operating add-on

(4xLED-ind.) FP2003-A1 Power supply kit (70 W)



A5Q00016005

S54400-B72-A1



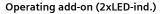
Operating add-on (1xLED-ind.)

To update 24 LED display groups, with one red and one yellow LED each. Can be inserted in all empty housings. Inclusive cables and screws for installation.

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

FCM7211-Y3

FCM7205-Y3



To update 48 LED display groups, with one red and one yellow LED each.

Can be inserted in all empty housings. Inclusive cables and screws for installation.

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

FCM7212-Y3



Operating add-on (4xLED-ind.)

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.

Dimensions (W x H x D) 427 x 200 x 25 mm S54400-F75-A1

S54400-F88-A1

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FT724 Networkable Fire Operating Terminals Expansion FT724

Type Order No.

FTO2001-A1



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 @ 9 VDC
0.7 A @ 48 VDC

 $\begin{array}{ll} \text{Interface} & \text{RS232 serial} \\ \text{Operating temperature} & 0...+50\,^{\circ}\text{C} \\ \text{Storage temperature} & -20...+70\,^{\circ}\text{C} \end{array}$

Relative humidity \leq 95 % (no condensation)

Dimensions (W x H x D) 85 x 85 x 55 mm

A5Q00010126

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Fire Control Network Participants FT724 Networkable Fire Operating Terminals Accessories FT724



Accessories F1/24	•	
Туре		Order No.
FTO2005-C1	Key switch (Kaba) Kaba key switch with mounting accessories and key (Kaba 8 #100), as an option for operating access (operating unit).	A5Q00010113
FTO2006-B1	Key switch (Nordic) Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).	A5Q00010129
FHA2016-A1	19" mounting kit To install fire control panels and fire terminals in a 19" third-party housing. Dimensions (W x H x D) 430 x 100 x 324 mm	A5Q00020179
FHA2017-A1	Flush mounting bezel one HU Optimal bezel for flush mounting installation for all fire control panels and operating terminals Color white, ~RAL 9010 Dimensions (W x H) 530 x 500 mm	A5Q00024719
FCA2014-A1	Cable kit (communication) For flexible cable connections to the modules on the PMI & main board.	A5Q00023027

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FT724 Networkable Fire Operating Terminals Accessories FT724

Type Order No.

DL3750+

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.

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 \leq 95 % (no condensation) Dimensions (W x H x D) 415 x 120 x 330 mm A5Q00023962

Genesis Series (1-zone Panels)





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

1-zone Panels Genesis Series

Туре			Order No.
GEN2	Fire control panel for connection	on to 12 VDC supply	GEN2
© S.S. PALLY © S.S. PALLY © SANALY © SANALY ODNESIS S	The Genesis 2 makes it possible to install a single fire detection zone when connected to intrusion control panel, controlling and supervising a 2-wire line, equipped with up to 32 conventional/collective detectors at 24 VDC. The Genesis 2 is supplied with 13.8 VDC from the intrusion control panel and, by means of an internal converter, is able to provide the 24 VDC supply required by the detectors and/or call points. This eliminates the need for an external 24 VDC power supply and battery backup, as in the case of mains failure or disconnection, the intrusion control panel backup powers the system. Compatible with conventional/SynoLINE300 and collective/SynoLINE600.		
	Alarm relay output (NO/NC) Fault relay output (NO/NC) Power supply Output line voltage (stand-by) Stand-by current Dimensions (W x H x D) Data sheet	30 VDC / 1 A 30 VDC / 1 A 11 14 VDC / <200 mA 17.5 24 VDC 35 45 mA 134 x 85 x 27 mm 009159	
GEN2-en	Fire control panel for connection See GEN2 for technical overview specifications:		BPZ:9300110001
	English language printed on the	product.	
GEN2-de	Fire control panel for connection	on to 12 VDC supply	BPZ:9300150001
	See GEN2 for technical overview specifications:	w and note the additional / other	
	German language printed on the	product.	
GEN2-it	Fire control panel for connection	on to 12 VDC supply	BPZ:9300120001
	See GEN2 for technical overview specifications:	w and note the additional / other	
	Italian language printed on the p	roduct.	
GEN2-se	Fire control panel for connection	on to 12 VDC supply	BPZ:9300130001
	See GEN2 for technical overview specifications:	w and note the additional / other	
	Swedish language printed on the	e product.	
GEN2-fr	Fire control panel for connection	on to 12 VDC supply	BPZ:9300180001
	See GEN2 for technical overview specifications:	w and note the additional / other	
	French language printed on the p	product.	
GEN2-nl	Fire control panel for connection	on to 12 VDC supply	BPZ:9300190001
	See GEN2 for technical overview specifications:	w and note the additional / other	
	Dutch language printed on the p	roduct.	

1-zone Panels Genesis Series



Genesis Serie	25	
Туре		Order No.
GEN2-es	Fire control panel for connection to 12 VDC supply	BPZ:9300100001
	See GEN2 for technical overview and note the additional / other specifications:	
	Spanish language printed on the product.	

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Conventional Fire Control Panels





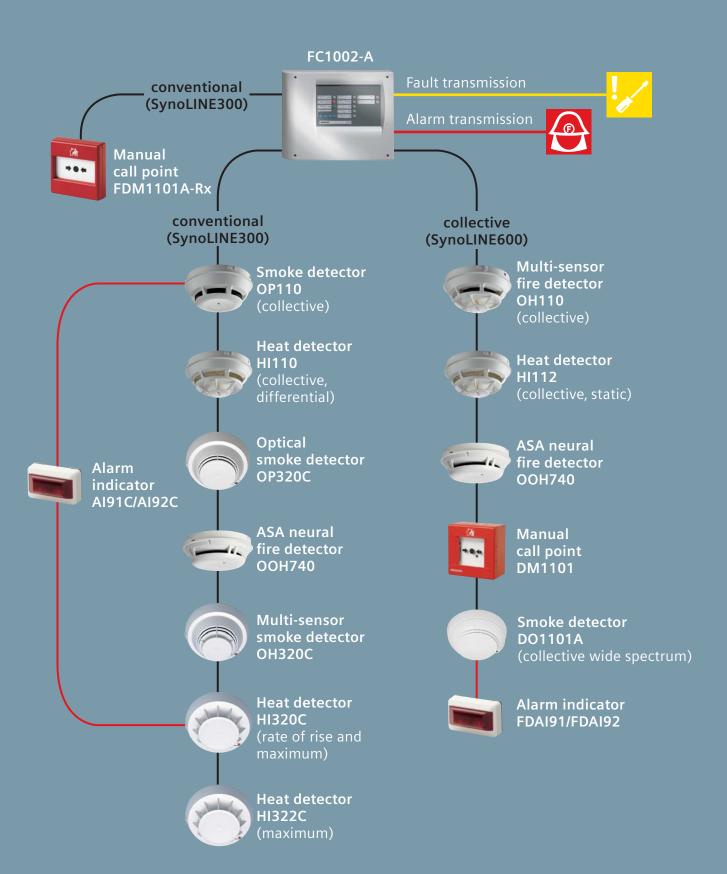
FC10 fire control panel – for easy control

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



2-zone Panels FC10 Series

Order No. Type FC1002.. FC1002.. 2-zone conventional unit The FC10 series sets the new standard in functionality and design for conventional fire detection panels. FC1002.. is an easy-to-handle, costeffective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to Algo-Rex collective or Synova conventional. This allows connection to 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 Transmission output contact 2 x 30 VDC Supervised output 2 x 24 VDC Control output 5 x 24 VDC Control input 115... 230 VAC / 0.7 A + 10 %... - 15 %, Mains voltage 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 IP40 Case protection category Color white, ~RAL 9003 Data sheet A6V10277145 Accessories Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder S54380-C2-A1 FC1002-A 2-zone conventional unit (Standard) See FC1002.. for technical overview and note the additional / other specifications: Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish. FC1002-B 2-zone conventional unit (Head removal monitoring) S54380-C2-A10 See FC1002.. for technical overview and note the additional / other specifications: Special line monitoring for removal of a detector. Inscription stripes in English are enclosed. S54380-C2-A20 FC1002-C 2-zone conventional unit (Nordic) See FC1002.. for technical overview and note the additional / other specifications: Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.

Conventional Fire Control Panels

2-zone Panels Accessories FC1002



Accessories FC	1002		
Туре			Order No.
Z3B171	Relay module with 1 co	ontact	BPZ:4843830001
THE REAL PROPERTY.	The relay module is an additional fire event control module, activated by the fire control panel's control output.		
le cu	Contact rating Delivery unit	250 VAC / 10 A 10 pieces	
FCA1007	Key switch kit		A6E60500026
7	To provide operating ac	cess via key switch instead of password.	
FCA1016	Battery holder		S54400-B90-A1
	Battery holder for 7 Ah I	patteries.	

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4-zone Panels FC10 Series

Туре			Order No.
FC1004	4-zone conventional unit		FC1004
WARTER OF STREET	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 Algo-Rex 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	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 Color	IP40 white, ~RAL 9003	
	Data sheet	A6V10277145	
	Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1016 Battery holder	
FC1004-A	4-zone conventional unit (Standard)		S54380-C3-A1
	See FC1004 for technical overview and note the additional / other specifications:		
	Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish.		
FC1004-B	4-zone conventional unit (Head removal monitoring)		S54380-C3-A10
	See FC1004 for technical overview and note the additional / other specifications:		
	Special line monitoring for removal of a detector. Inscription stripes in English are enclosed.		
FC1004-C	4-zone conventional unit (Nor	dic)	S54380-C3-A20
	See FC1004 for technical overview and note the additional / other specifications:		
	Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.		
FC1004-E	4-zone conventional unit (NL)		S54380-C3-A30
	See FC1004 for technical overview and note the additional / other specifications:		
	Additional evacuation functions according to NEN2575. Inscription stripes in Dutch are enclosed.		

Conventional Fire Control Panels

4-zone Panels Accessories FC1004



Accessories FC	1004		
Туре			Order No.
Z3B171	Relay module with 1 contact		BPZ:4843830001
	The relay module is an additional fire by the fire control panel's control out	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
100		0 VAC / 10 A pieces	
FCA1007	Key switch kit		A6E60500026
7	To provide operating access via key s	witch instead of password.	
FCA1016	Battery holder		S54400-B90-A1
	Battery holder for 7 Ah batteries.		

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8-zone Panels FC10 Series

Order No. Type FC1008.. FC1008.. 8-zone conventional unit The FC10 series sets the new standard in functionality and design for conventional fire detection panels. FC1008.. is an easy-to-handle, costeffective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to Algo-Rex collective or Synova conventional. This allows connection to 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 8 Transmission output contact 2 x 30 VDC Supervised output 2 x 24 VDC Control output 14 x 24 VDC Control input 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 FCA1002 Display unit Expansion FCA1003 Sounder control card FCA1005-D RT-isolation card FCA1006-F RS232 adapter Accessories Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder FC1008-A S54380-C4-A1 8-zone conventional unit (Standard) See FC1008.. for technical overview and note the additional / other specifications: Inscription stripes are enclosed in the following languages: English, French, German, Italian, Spanish, Dutch, Flemish, Portuguese, Polish, Czech, Swedish and Danish. 25... 45 VA Power consumption 125 mA Quiescent current FC1008-B S54380-C4-A10 8-zone conventional unit (Head removal monitoring) See FC1008.. for technical overview and note the additional / other specifications: Special line monitoring for removal of a detector. Inscription stripes in English are enclosed. 25... 45 VA Power consumption Quiescent current 125 mA

8-zone Panels FC10 Series



rc to Series			
Туре			Order No.
FC1008-C	8-zone conventional unit (Nordic)		S54380-C4-A20
	See FC1008 for technical overview a specifications:	See FC1008 for technical overview and note the additional / other specifications:	
	Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.		
		45 VA 5 mA	
FC1008-D	8-zone conventional unit (CH)	8-zone conventional unit (CH)	
	See FC1008 for technical overview and note the additional / other specifications:		
	With special fire brigade operating pa Inscription stripes in Swiss German, Sv enclosed.		
	•	45 VA 5 mA	
FC1008-E	8-zone conventional unit (Evacuation	on)	S54380-C4-A40
	See FC1008 for technical overview and note the additional / other specifications:		
	Additional evacuation functions accor With 3.5 A power supply FCP1004-E. Inscription stripes in Dutch are enclose		
	•	110 VA 0 mA	

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Conventional Fire Control Panels

8-zone Panels Expansion FC1008

Туре		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
FCA1005-D	RT-isolation card To provide hardware disconnecting facility for the remote transmission channels.	A6E60500024

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Conventional Fire Control Panels

8-zone Panels Accessories FC1008



Accessories FC	1008		
Туре			Order No.
Z3B171	Relay module with 1 contact		BPZ:4843830001
	The relay module is an additional fire event control module, activated by the fire control panel's control output.		
in the state of th		0 VAC / 10 A pieces	
FCA1007	Key switch kit		A6E60500026
7	To provide operating access via key s	witch instead of password.	
FCA1014	Battery holder		A6E60500069
	Battery holder for 12 Ah or 17 Ah bat	tteries.	

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12-zone Panels FC10 Series

Order No. Type FC1012.. 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, costeffective fire detection panel that is ideal for small installations. Easy on-site configuration. Each line can be individually configured to Algo-Rex collective or Synova conventional. This allows connection to 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 2 x 30 VDC Transmission output contact Supervised output 2 x 24 VDC Control output 18 x 24 VDC Control input 115... 230 VAC / 1.5 A +10 %... -15 %, Mains voltage 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 Color housing/cover grey, ~RAL 9006/white, ~RAL 9003 Data sheet A6V10277147 FCA1002 Display unit Expansion FCA1003 Sounder control card FCA1004-F Line extension card SST FCA1005-D RT-isolation card FCA1006-F RS232 adapter Z3B171 Relay module Accessories FCA1007 Key switch kit FC1012-A S54380-C5-A1 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. 155 mA Quiescent current FC1012-B S54380-C5-A10 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

12-zone Panels FC10 Series



FC10 Series		
уре		Order No.
FC1012-C	12-zone conventional unit (Nordic) See FC1012 for technical overview and note the additional / other	S54380-C5-A20
	specifications:	
	Operating access through Nordic key. Inscription stripes are enclosed in the following languages: Swedish, Danish, Norwegian and Finnish.	
	Quiescent current 155 mA	

Conventional Fire Control Panels

12-zone Panels Expansion FC1012

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. Sounder control card To provide 4 additional, monitored control lines. Not possible with FC1008-F, FC1012-F.	A6E60500022
To provide 4 additional, monitored control lines. Not possible with	A6E60500022

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Conventional Fire Control Panels

12-zone Panels Accessories FC1012



			Order No.
	Relay module with 1 c	ontact	BPZ:4843830001
	The relay module is an aby the fire control pane	additional fire event control module, activated l's control output.	
1.004	Contact rating Delivery unit	250 VAC / 10 A 10 pieces	
,	Key switch kit		A6E60500026
1	To provide operating ac	cess via key switch instead of password.	



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 (EN 54-2/4, EN 12094-1,...)

Connectable to Fire Detection Systems XC10 Series

Type Order No.

XC1001-A

Extinguishing panel Standard

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 relay outputs. Self-contained control panel including fire detection and extinguishing control. The configurable relay outputs can be used to transmit information to a FS20/FS720 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.

Conventional line

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 alu-

minium, ~RAL 9006 (user interface)

S54390-C1-A1

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

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Conventional Extinguishing Control Panels

Connectable to Fire Detection Systems XC10 Series



Type Order No.

XC1005-A



Extinguishing panel Comfort

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

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 alu-

minium, ~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 S54390-C3-A1

Connectable to Fire Detection Systems XC10 Series

Order No. Type S54390-C2-A1 XC1003-A **Extinguishing panel Rack** 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. Conventional line Alarm relay output (NO/NC) 30 V / 1 A max. Control output 24 V / 1 A max. Control input 4 (non monitored). Activation via 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 EN 12094-1, EN 54-2/A1, Standard EN 54-4/A2 Dimensions (W x H x D) 482.6 x 177.8 x 187 Case protection category IP30 white aluminium, ~RAL 9006 Data sheet A6V10257471 XCE1002 Trigger element Expansion 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



Expansion XC10		
Туре		Order No.
FCA1014	Battery holder Battery holder for 12 Ah or 17 Ah batteries.	A6E60500069
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.	S54390-A5-A1
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.	S54390-A6-A1
XCA1020	Accessory set for FDCIO Mounting support for I/O module FDCIO222 for the connection to a fire detection system.	A5Q00025158
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.	A5Q00015659

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Conventional Extinguishing Control Panels Connectable to Fire Detection Systems Accessories XC10

Туре			Order No.
Z3B171	Relay module with 1 c	ontact	BPZ:4843830001
	The relay module is an a by the fire control pane	The relay module is an additional fire event control module, activated by the fire control panel's control output.	
le cc h	Contact rating Delivery unit	250 VAC / 10 A 10 pieces	
FCA1007	Key switch kit		A6E60500026
7	To provide operating ac	cess via key switch instead of password.	

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Conventional Extinguishing Control Panels

Connectable to Fire Detection Systems XT10 Series



Order No. Type

XT1001-A1



Repeater display

Small repeater display for use with XC10 extinguishing control panel

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.

Storage temperature -10... +60 °C Operating temperature -5... +40 °C Quiescent current 18 mA at 24 V 8... 30 VDC Mains voltage 200 x 210 x 48 Dimensions (W x H x D)

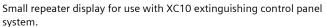
IP40 Case protection category

grey, ~RAL 9002 Color

XT1002-A1









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.

-10... +60 °C Storage temperature -5... +40 °C Operating temperature 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 S54390-Z16-A1

S54390-Z15-A1

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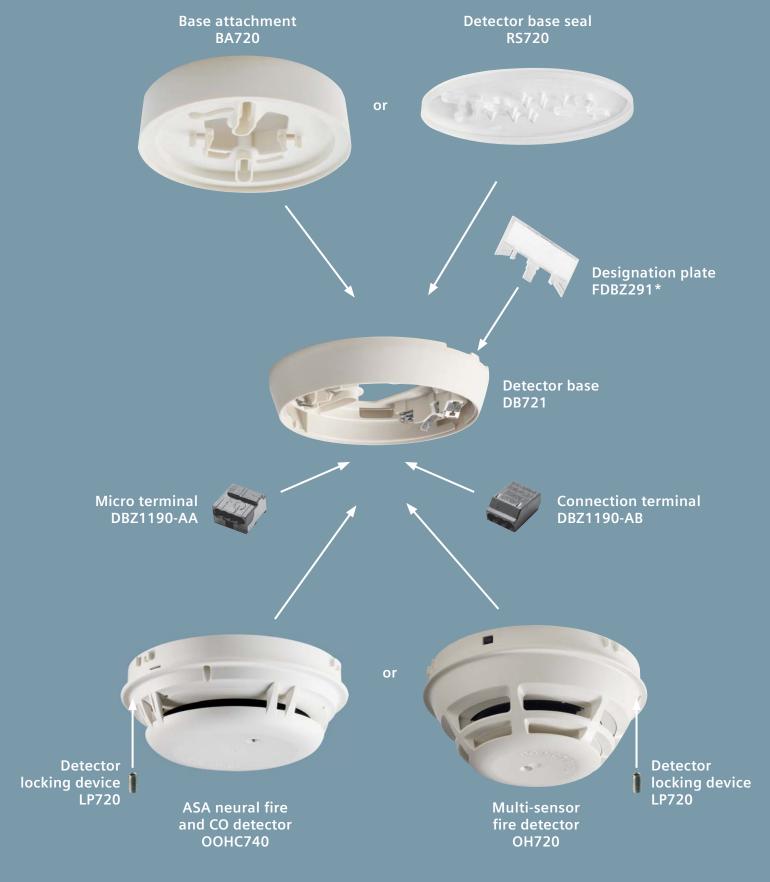


Providing fast, reliable detection with patented technology

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 **ASA**technology™ (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 ASAtechnology are the best choice for protecting especially demanding application areas
- ASAtechnology 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

Addressable fire detectors – point detectors



^{*} cannot be used together with RS720

Addressable Fire Detectors Point Detectors



Type Order No.

OOH740



Multi-sensor smoke detector, ASA

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 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.

In the collective/conventional mode you have the possibility to choose between three parameter sets: Standard Plus, Suppression and High Sensitive fast.

The base must be ordered separately.

Scope of delivery

Detector and dust cap.

Communication protocol C-NET or collective/conventional

Operating voltage 12... 33 VDC
Quiescent current ~170... 250 μA

Ext. alarm indicator

Operating temperature -25... +55 °C Storage temperature -30... +70 °C Relative humidity ≤ 95 %

Color white, ~RAL 9010

Protection category IP40

IP44 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

Addressable Fire Detectors Point Detectors

Order No. Type

OOHC740



Fire and CO detector, neural ASA

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.

C-NET Communication protocol Operating voltage 12... 33 VDC Quiescent current ~300... 380 µA

Ext. alarm indicator 2

Operating temperature -10... +50 °C Storage temperature -20... +55 °C ≤95 % Relative humidity

Color white, ~RAL 9010

Protection category IP40

IP44 with detector base seal RS720

S54320-F8-A3

System compatibility

Standard CEA4021, EN 54-5, EN 54-7,

EN 54-17, VdS2806

Dimensions (Ø x H) 117 x 49 mm (incl. base)

Data sheet A6V10284161

Accessories LP720 Detector locking device

5-4

Addressable Fire Detectors Point Detectors



Type Order No.

OH720



Multi-sensor smoke detector

For the detection of flaming fires caused by the combustion of liquid and solid matters, as well as smoldering fires. For reliable fire detection in environments with deceptive phenomena.

Works according to the scattered-light principle with an optical forward scattering sensor. An additional heat sensor increases the fire detector's immunity to deceptive phenomena. Selectable detection behavior by different parameter sets. Immunity against transient false alarm causes.

The base must be ordered separately.

Scope of delivery

Detector and dust cap.

 $\begin{array}{lll} \text{Communication protocol} & \text{C-NET} \\ \text{Operating voltage} & 12... \ 33 \ \text{VDC} \\ \text{Quiescent current} & \sim \!\!\!\! 230 \ \mu\text{A} \\ \text{Ext. alarm indicator} & 2 \\ \end{array}$

Operating temperature -10...+55 °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

OP720



Optical smoke detector

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

The base must be ordered separately.

Scope of delivery

Detector and dust cap.

Operating temperature -10... +55 °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
 EN 54-7, EN 54-17

 Dimensions (Ø x H)
 117 x 56 mm (incl. base)

Data sheet A6V10202198

Accessories LP720 Detector locking device

S54310-F2-A1

S54310-F1-A1

Addressable Fire Detectors Point Detectors

Order No. Type S54310-F4-A1 HI720 Heat detector (static+RoR) 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... +55 °C -30... +70 °C Storage temperature Relative humidity ≤95 % Color white, ~RAL 9010 Protection category IP40 IP42 with detector base seal RS720 System compatibility FS720 Standard EN 54-7 Dimensions (Ø x H) 117 x 59 mm (incl. base) Data sheet A6V10202198 Accessories LP720 Detector locking device S54310-F3-A1 HI722 Heat detector (static) 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 The base must be ordered separately. Scope of delivery Detector and dust cap. Communication protocol C-NET 12... 33 VDC Operating voltage Quiescent current ~200 µA Ext. alarm indicator -10... +55 °C Operating temperature -30... +70 °C Storage temperature ≤95 % Relative humidity 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

Addressable Fire Detectors Point Detectors



Туре		Order No.
	Accessories	
LP720	Detector locking device	S54319-F9-A1
	Threaded pin M3 x 12 to protect detector against theft. Scope of delivery 2 hexagonal wrenches 100 threaded pins	
DB721	Detector base with loop contact	S54319-F11-A1
57 = 30	Universal base with extra large mounting slots facilitates use with a wide variety of back boxes and other electrical accessories. Connecting terminals for cable diameter at 1.6 mm ² . Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.	

Cable capacity Dimensions (Ø x H)

point detector is mounted.

117 x 23 mm Color white, ~RAL 9010 Accessories FDBZ291 Designation plate

For all point detectors of the series Cerberus PRO FD720.

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

> RS720 Detector base seal DBZ1190-AA Micro terminal

0.5 mm²

0.2... 1.6 mm²

DBZ1190-AB Connection terminal

2.5 mm²

DB722 S54319-F19-A1 **Detector base**



The DB722 is a universal base with detector base seal and screwless terminals for the OP720 and OH720 point detectors of the series Cerberus PRO FD720.

Cable capacity 0.2... 1.6 mm² Dimensions (Ø x H) 117 x 23 mm Color white, ~RAL 9010

DBZ1190-AA Micro terminal Accessories

 0.5 mm^2

DBZ1190-AB Connection terminal

2.5 mm²

Point Detectors

Time			Ouder No
Туре			Order No.
DBS720	Sounder base		S54319-F5-A1
	The sounder base DBS720 and which already has a base and rooms, hospitals or nursing he fire detection system. The southe fire control panel to activa an alarm signal from its associ Synchronized with all other ala in the same detector line (C-N No auxiliary power supply req	coustic alarming in the addressed FS720 inder base can be allocated freely from ite as required. It is not dependent upon liated detector. arm sounder and sounder beacon devices ET). uired; power is supplied via C-NET. surface supply wiring, remove the corre-	
	Communication protocol	C-NET	
	Operating voltage	12 33 VDC	
	Quiescent current Alarm current	150 μA 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 Color	≤95 %	
	Protection category	white, ~RAL 9010 IP41	
	System compatibility Standard	IP42 with detector base seal RS720 C-NET -> FS720 EN 54-3	
	Dimensions (W x H x D)	175 x 117 x 29 mm	
	Data sheet Accessories	A6V10203095 FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm ² DBZ1190-AB Connection terminal 2.5 mm ²	
FDBZ291	Designation plate		A5Q00002621
	To identify the location addres	ss for detector bases.	
21_1_12			
	Dimensions (W x H)	62 x 35 mm	
	Color	transparent	
	Delivery unit	10 pieces	
RS720	Detector base seal		S54319-F8-A1
Confessor	Seal for higher protection cate Compatible with base DB721 Not usable together with the	and sounder base DBS720.	
	Dimensions (Ø x H)	119 x 6.5 mm	
	Color	transparent	
	Delivery unit	10 pieces	

Addressable Fire Detectors Point Detectors



Order No. Type S54319-F20-A1 BA720 **Base attachment** 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. white, ~RAL 9010 Color Dimensions (Ø x H) 120 x 25 mm BPZ:4677080001 DBZ1190-AA Micro terminal 0.5 mm², 4-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo-Can easily be inserted. Cable capacity 0.28... 0.5 mm² Dimensions (W x H x D) 10 x 7 x 10 mm Delivery unit 50 pieces BPZ:4942340001 DBZ1190-AB Connection terminal 2.5 mm², 3-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo-Can easily be inserted. Cable capacity 1... 2.5 mm² Dimensions (W x H x D) 13.5 x 9.5 x 19.5 mm Delivery unit 50 pieces

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

Туре			Order No.
FDM221	Manual call point		FDM221
₹ 1 × 0,4	application. For surface- and r sible places. Direct alarm actu replacing the glass plate the p ready for operation again.	ion of an alarm. For indoor and outdoor eccess-mounted feed lines in easily accestation by pushing in the glass plate. By bush button is set back and the device is the switching unit FDME221 must be	
SIEMENS	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	EN 54-11, EN 54-17	
	Dimensions (W x H x D)	87 x 87 x 46.6 mm	
	Data sheet Accessories	007001 FDMC291 Protective cover A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20	
	Products to select from		
	FDMH291-R	See Page 5-10,	
	FDMH291-B	See Page 5-11	
	FDMH291-G	See Page 5-11	
	FDMH291-Y	See Page 5-10	
	FDME221	See Page 5-11	
FDMH291-R	Housing red with key		A5Q00002217
	Housing with key for electron	ic unit.	
SIEMENS	Color	red, ~RAL 3000	
FDMH291-Y	Housing yellow with key		A5Q00004979
	Housing with key for electron	ic unit.	
SIEMENS	Color	yellow, ~RAL 1023	

Addressable Manual Call Points MCP with Direct Operation



Order No. Type A5Q00004981 FDMH291-G Housing green with key Housing with key for electronic unit. Color green, ~RAL 6024 A5Q00004980 FDMH291-B Housing blue with key Housing with key for electronic unit. blue, ~RAL 5005 Color Switching unit with direct alarm actuation A5Q00002451 FDME221 Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test. The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device. Operating voltage 12... 33 VDC Quiescent current 200 μΑ Terminal block 0.28... 1.5 mm² Accessories A5Q00001644 FDMC291 Protective cover The protective cover protects the manual call point from unintentional glass break. For manual call point housings FDMH291-x. Delivery unit 5 pieces 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

Fire Detection Network (C-NET) Peripherals Addressable Manual Call Points

MCP with Direct Operation

Туре			Order No.
A5Q00004479	Back nut M20		A5Q00004479
	Back nut to screwed cable gla	Back nut to screwed cable gland M20 x 1.5.	
	Delivery unit	Dalinara and	
	Delivery unit	10 pieces	
FDM225-RG	Manual call point with glass	s plate	A5Q00013434
₩ +••	For immediate manual actuation of a fire alarm. For indoor and outdoor application. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again. For surface- and recess-mounted feed lines in easily accessible places. For surface mounting the housing base FDMH295-x must be ordered separately.		
The second second	Communication protocol	FDnet/C-NET	
	Operating voltage	13 33 VDC	
	Quiescent current	180 μΑ	
	Terminal block	0.28 1.5 mm ²	
	Operating temperature Storage temperature	-25 +70 °C -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 Dimensions (W x H x D)	EN 54-11, EN 54-17 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	

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Addressable Manual Call Points MCP with Direct Operation



Type Order No.

FDM225-RP



Manual call point with resettable plastic element

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.

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
 EN 54-11, EN 54-17

 Dimensions (W x H x D)
 87 x 87 x 20 mm

Data sheet 009023

Accessories FDMH295-R housing base

FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover

Accessories

Back box

FDMH295-R



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

 Color
 red, ~RAL 3000

 Dimensions (W x H x D)
 87 x 87 x 33

Accessories A5Q00004478 Screwed cable

gland M20

A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal

2.5 mm²

FDMH295-S



Back box with 2 entries

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

 Color
 red, ~RAL 3000

 Dimensions (W x H x D)
 87 x 87 x 33

Accessories DBZ1190-AB Connection terminal

2.5 mm²

A5Q00012020

A5Q00013437

A5Q00013438

Fire Detection Network (C-NET) Peripherals Addressable Manual Call Points

MCP with Direct Operation

Туре			Order No.
A5Q00004478	Screwed cable gland M20 x	1.5	A5Q00004478
- 2 -	_	M20 cable feed-through. It enables high-	
4-	er protection category.		
	Delivery unit	10 pieces	
A5Q00004479	Back nut M20		A5Q00004479
	Back nut to screwed cable gland M20 x 1.5.		
	Delivery unit	10 pieces	
DBZ1190-AB	Connection terminal 2.5 mn	n ² , 3-pole	BPZ:4942340001
		or external alarm indicators (AI), cable of a power supply unit or other compo-	
	Cable capacity	1 2.5 mm ²	
	Delivery unit	50 pieces	
FDMC295	Protective cover		A5Q00013440
	The protective cover protects FDM1101 and FDM1101A fro	the manual call points FDM225, FDM226, m unintentional glass break.	
	Color	transparent	
	Delivery unit	10 pieces	
FDM226-RG	Manual call point with glass	plate incl. housing base	A5Q00013435
	application. Direct alarm acture replacing the glass plate the p	on of a fire alarm. For indoor and outdoor ation by pushing in the glass plate. By ush button is reset and the device is ready ce- and recess-mounted feed lines in eas-	
SIEMENS	Communication protocol	FDnet/C-NET	
SIEMENS	Operating voltage	13 33 VDC	
	0	180 μΑ	
	Quiescent current	0.20 4.5 3	
	Terminal block	0.28 1.5 mm ²	
	Terminal block Operating temperature	0.28 1.5 mm ² -25 +70 °C -30 +75 °C	
	Terminal block	-25 +70 °C	
	Terminal block Operating temperature Storage temperature	-25 +70 °C -30 +75 °C	
	Terminal block Operating temperature Storage temperature Relative humidity Protection category Color	-25 +70 °C -30 +75 °C ≤95 % (no condensation) IP66 red, ~RAL 3000	
	Terminal block Operating temperature Storage temperature Relative humidity Protection category	-25 +70 °C -30 +75 °C ≤95 % (no condensation) IP66	
	Terminal block Operating temperature Storage temperature Relative humidity Protection category Color	-25 +70 °C -30 +75 °C ≤95 % (no condensation) IP66 red, ~RAL 3000 FDnet -> FS20, AlgoRex, SIGMASYS	
	Terminal block Operating temperature Storage temperature Relative humidity Protection category Color System compatibility	-25 +70 °C -30 +75 °C ≤95 % (no condensation) IP66 red, ~RAL 3000 FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720	
	Terminal block Operating temperature Storage temperature Relative humidity Protection category Color System compatibility Standard	-25 +70 °C -30 +75 °C ≤95 % (no condensation) IP66 red, ~RAL 3000 FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720 EN 54-11, EN 54-17	

Addressable Manual Call Points MCP with Direct Operation



Type Order No.

FDM226-RP



Manual call point with resettable plastic element incl. housing base

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.

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

Accessories

FDMC295



Protective cover

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

Color transparent
Delivery unit 10 pieces

A5Q00013436

A5Q00013440

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 EN 54-11, EN 54-17

 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 5-16
FDMH293-B	See Page 5-17
FDMH293-O	See Page 5-17
FDMH293-G	See Page 5-17
FDMH293-Y	See Page 5-17
FDME224	See Page 5-18

FDMH293-R



Housing red, with glass and key

 $\label{lem:manual call point housing for the switching unit FDME223, FDME224.}$

Color red, ~RAL 3000

FDM224__

A5Q00004023

Fire Detection Network (C-NET) Peripherals Addressable Manual Call Points

Addressable Manual Call Points MCP with Direct Operation



MCP with Direct C	peration		
Туре			Order No.
NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK	Housing yellow, with glass and Manual call point housing for the Color	key e switching unit FDME223, FDME224. yellow, ~RAL 1023	A5Q00004908
FDMH293-G NOT IN USE	Housing green, with glass and Manual call point housing for the	key e switching unit FDME223, FDME224. green, ~RAL 6024	A5Q00004911
AUSSER BETRIEB HORS SERVICE FUORI SERVICIO FUERA DE SERVICIO BUITEN GEBRUIK	Housing blue, with glass and k	av.	A5Q00004909
FDMH293-B			A3Q00004909
NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK	Color	e switching unit FDME223, FDME224. blue, ~RAL 5005	
FDMH293-O	Housing orange, with glass and	i key	S54311-F2-A1
	Manual call point housing for the	e switching unit FDME223, FDME224.	
NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK	Color	orange, ~RAL 2011	

Fire Detection Network (C-NET) Peripherals Addressable Manual Call Points

MCP with Direct Operation

Туре			Order No.
FDME224	tor (LED). Two-colored LED for a The switching unit can be placed	ine separator and built-in alarm indica-	A5Q00009392
DMZ1197-AD	Accessories Protection seal Protects the manual call point in The seal improves the Manual call point in The	n wet applications. all point housing's protection category. 5 pieces	BPZ:5470680001
DMZ1197-AC	Protective cover Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover. Delivery unit 5 pieces		BPZ:5223550001
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		A5Q00004478
A5Q00006735	Locking plug M20 x 1.5 (1 hold For manual call point housings manual call point housing. For applications in dry rooms. Color Delivery unit	e) and surface-mounted feed lines in the red, ~RAL 3000 10 pieces	A5Q00006735

Addressable Manual Call Points MCP with Direct Operation



Type Order No.

A5Q00010055

Locking plug M20 x 1.5 (2 holes)

A5Q00010055



For manual call point housings and surface-mounted feed lines in the manual call point housing.

For applications in dry rooms.

Color red, ~RAL 3000 Delivery unit 10 pieces

FDM224H__

Manual call point 'Heavy Duty'

FDM224H__



For immediate manual actuation of a fire alarm. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the push button is reset and the device is ready for operation again.

For indoor and outdoor application, equally suited for wet, humid and dusty areas. Only for surface-mounted feed lines in easily accessible places, e.g. tunnels, industry.

The housing is equipped with one opening at the top and two openings at the bottom for locking plugs and for metal screwed cable glands M20.

For IP64 applications the unused openings must be locked with the V-plug.

The housing FDMH292-R and the switching unit FDME224 must be ordered separately.

Communication protocol FDnet/C-NET

Ext. alarm indicator

Operating temperature $-25... +70 \, ^{\circ}\text{C}$ Storage temperature $-30... +75 \, ^{\circ}\text{C}$

Relative humidity ≤95 % (no condensation)

Protection category IP44 (IP64 with protection seal and

V-plug)

System compatibility FDnet -> FS20, AlgoRex, SIGMASYS

C-NET -> FS720

Standard 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

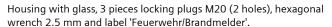
Products to select from

FDME224 See Page 5-20 FDMH292-R See Page 5-19

FDMH292-R

Housing red 'Heavy Duty'

A5Q00005525





Color red, ~RAL 3000

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

Туре			Order No.
FDME224 SIEMENS	tor (LED). Two-colored LED for a The switching unit can be placed	ine separator and built-in alarm indica-	A5Q00009392
DMZ1197-AD	Accessories Protection seal Protects the manual call point in wet applications.		BPZ:5470680001
	The seal improves the manual co	all point housing's protection category. 5 pieces	
DMZ1197-AC	Protective cover Protects the manual call point frequency tive cover can be easily fitted discovery unit	oom unintentional glass break. Protecrectly in the housing cover. 5 pieces	BPZ:5223550001
A5Q00004478	Screwed cable gland M20 x 1.5 The screwed cable gland is for M20 cable feed-through. It enables higher protection category.		A5Q00004478
A5Q00008131	Delivery unit 10 pieces V-plug PA M20 x 1.5 For outdoor applications for locking the unused openings in the housing FDMH292-R to improve the higher protection category. Color black		A5Q00008131

Addressable Manual Call Points MCP with Indirect Operation



Order No. Type

FDM223



Manual call point complete

For immediate manual actuation of a fire alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surfaceand 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 12... 33 VDC Operating voltage Quiescent current 200 μΑ Ext. alarm indicator

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 EN 54-11, EN 54-17

Standard Dimensions (W x H x D) 134 x 134 x 43 mm Data sheet

Accessories DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable

gland M20

A5Q00008098

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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

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 5-23
FDMH293-G	See Page 5-23
FDMH293-R	See Page 5-22
FDMH293-Y	See Page 5-23
FDMH293-O	See Page 5-23
FDME223	See Page 5-24

FDMH293-R



Housing red, with glass and key

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

Color red, ~RAL 3000

A5Q00004023

FDM223__

5-22

Addressable Manual Call Points MCP with Indirect Operation



Order No. Type A5Q00004908 FDMH293-Y Housing yellow, with glass and key Manual call point housing for the switching unit FDME223, FDME224. Color yellow, ~RAL 1023 AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK A5Q00004911 FDMH293-G Housing green, with glass and key Manual call point housing for the switching unit FDME223, FDME224. Color green, ~RAL 6024 NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVICIO FUERA DE SERVICIO BUITEN GEBRUIK FDMH293-B Housing blue, with glass and key A5Q00004909 Manual call point housing for the switching unit FDME223, FDME224. Color blue, ~RAL 5005 NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK S54311-F2-A1 FDMH293-O Housing orange, with glass and key Manual call point housing for the switching unit FDME223, FDME224. orange, ~RAL 2011 Color AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO UERA DE SERVICIO BUITEN GEBRUIK

Fire Detection Network (C-NET) Peripherals Addressable Manual Call Points

MCP with Indirect Operation

Туре			Order No.
FDME223	Switching unit with indirect alarm actuation Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test. The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device. Operating voltage 12 33 VDC Quiescent current 200 μ A Terminal block 0.28 1.5 mm ²		A5Q00003087
DMZ1197-AD	Accessories Protection seal Protects the manual call point in The seal improves the manual conduction of the protects with the seal improves the manual conduction of the seal improves th	n wet applications. all point housing's protection category. 5 pieces	BPZ:5470680001
DMZ1197-AC	Protective cover Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover. Delivery unit 5 pieces		BPZ:5223550001
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		A5Q00004478
A5Q00006735	Locking plug M20 x 1.5 (1 hole) For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms. Color red, ~RAL 3000 Delivery unit 10 pieces		A5Q00006735

Addressable Manual Call Points MCP with Indirect Operation



Type Order No.

A5Q00010055

Locking plug M20 x 1.5 (2 holes)

A5Q00010055



For manual call point housings and surface-mounted feed lines in the manual call point housing.

For applications in dry rooms.

Color red, ~RAL 3000
Delivery unit 10 pieces

FDM223H__

Manual call point 'Heavy Duty'

FDM223H__



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.

Communication protocol FDnet/C-NET Operating temperature $-25...+70\,^{\circ}\text{C}$

Ext. alarm indicator

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 54-17, 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

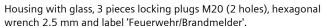
Products to select from

FDMH292-R See Page 5-25 FDME223 See Page 5-26

FDMH292-R

Housing red 'Heavy Duty'

A5Q00005525





Color red, ~RAL 3000

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

Туре			Order No.
FDME223	tor (LED). Two-colored LED for a The switching unit can be placed	ine separator and built-in alarm indica-	A5Q00003087
DMZ1197-AD	Accessories Protection seal Protects the manual call point in		BPZ:5470680001
3 3 3 3 3	The seal improves the manual control of the seal improves the	all point housing's protection category. 5 pieces	
DMZ1197-AC	Protective cover Protects the manual call point free tive cover can be easily fitted displayed. Delivery unit	om unintentional glass break. Protecrectly in the housing cover. 5 pieces	BPZ:5223550001
A5Q00004478	Screwed cable gland M20 x 1.5 The screwed cable gland is for M20 cable feed-through. It enables higher protection category.		A5Q00004478
A5Q00008131	V-plug PA M20 x 1.5	10 pieces	A5Q00008131
	ing FDMH292-R to improve the		

Alarm Equipment Alarm Sounders, Alarm Sounder Beacon



Order No. Type

DBS721



Sounder interbase (C-NET)

The sounder interbase DBS721 and the detector compose a single unit, which already has a base and is mounted on ceilings, e.g. in hotel rooms, hospitals and nursing homes.

The sounder interbase serves for acoustic alarming in an addressed FS720 fire detection system. The sounder interbase has its own address and can be configured freely with no dependence from its associated detector. In case of a fire alarm, the base triggers an acoustic signal. For all point detectors of the series Cerberus PRO FD720. No auxiliary power supply required; power is supplied via C-NET.

For recess mounting. For surface mounting, cable diameter up to 8 mm.

Communication protocol C-NET Operating voltage 12... 33 VDC Quiescent current 250 μΑ 0.2... 1.6 mm² Cable capacity 80... 87 dBA Sound intensity -25... +65 °C Operating temperature Storage temperature -30... +75 °C ≤95 %

Relative humidity

Color white, ~RAL 9010 / translucent

Protection category IP43 System compatibility FC720

Standard EN 54-3 Type B, EN 54-17

Dimensions (Ø x H) 127 x 52 Data sheet A6V10277374 Accessories BP720 Blanking plate DBZ1190-AA Micro terminal

0.5 mm²

DBZ1190-AB Connection terminal

2.5 mm²

FDBZ291 Designation plate LP720 Detector locking device S54372-F13-A1

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Alarm Equipment Alarm Sounders, Alarm Sounder Beacon

Type Order No.

DBS729

Sounder beacon interbase (C-NET)

The sounder interbase DBS729 and the detector compose a single unit, which already has a base and is mounted on ceilings, e.g. in hotel rooms, hospitals and nursing homes.

The sounder interbase serves for acoustic alarming. In case of a fire alarm, the base triggers an acoustic signal. The configuration of the interbase DBS729 allows in addition an alarming in the addressed FS720 fire detection system. Sound level and luminous intensity are adjustable, sounds are synchronized with all alarm devices. For all point detectors of the series Cerberus PRO FD720. No auxiliary power supply required; power is supplied via C-NET. For recess mounting. For surface mounting, cable diameter up to 8 mm.

Communication protocol C-NET Operating voltage 12... 33 VDC Quiescent current 250 μΑ Cable capacity 0.2... 1.6 mm² Sound intensity 80... 87 dBA Light intensity 1.27... 3.2 cd Operating temperature -25... +65 °C Storage temperature -30... +75 °C Relative humidity ≤95 %

Color white, ~RAL 9010 / translucent

Protection category IP43 System compatibility FC720

Standard EN 54-3 Type B, EN 54-17

Dimensions (Ø x H) 127 x 52

Data sheet A6V10277374

Accessories BP720 Blanking plate

DBZ1190-AA Micro terminal

0.5 mm²

DBZ1190-AB Connection terminal

 $2.5 \; mm^2$

FDBZ291 Designation plate LP720 Detector locking device

DB721

Detector base with loop contact



Universal base with extra large mounting slots facilitates 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.

For all point detectors of the series Cerberus PRO FD720. 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.

 $\begin{array}{lll} \mbox{Cable capacity} & 0.2... \ 1.6 \ \mbox{mm}^2 \\ \mbox{Dimensions (\emptyset x H)} & 117 \ \mbox{x 23 mm} \\ \mbox{Color} & \mbox{white, \simRAL 9010} \\ \end{array}$

Accessories FDBZ291 Designation plate
RS720 Detector base seal
DBZ1190-AA Micro terminal

0.5 mm²

DBZ1190-AB Connection terminal

2.5 mm²

S54372-F14-A1

S54319-F11-A1

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



Type			Order No.
Туре	Blanking plate The blanking plate BP720 provides a sis inserted the blanking plate.	mooth protection if no detector	S54372-B12-A1
LP720	Accessories Detector locking device Threaded pin M3 x 12 to protect detection device scope of delivery 2 hexagonal wrenches 100 threaded pins	ctor against theft.	S54319-F9-A1
FDBZ293	Detector locking device Threaded pin M3 x 6 to protect detect Scope of delivery 2 hexagonal wrenches 100 threaded pins	or against theft.	A5Q00005035
RS720	Detector base seal Seal for higher protection category. Compatible with base DB721 and sou Not usable together with the designary		S54319-F8-A1
DBZ1190-AA	Dimensions (Ø x H) Color transparent Delivery unit 10 pieces Micro terminal 0.5 mm², 4-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.		BPZ:4677080001
~	Dimensions (W x H x D) 10	28 0.5 mm ² x 7 x 10 mm pieces	

Alarm Equipment Alarm Sounders, Alarm Sounder Beacon

FDS221-R	shielding, for the connection of nents. Can easily be inserted. Cable capacity Dimensions (W x H x D) Delivery unit Alarm sounder red Loud alarming in case of fire al nal. To be mounted on the wal corridors, staircases. Only appli Power is supplied via FDnet/C-N Monitoring of device status. For recess supply line. For surfa	or external alarm indicators (AI), cable of a power supply unit or other composition. 1 2.5 mm ² 13.5 x 9.5 x 19.5 mm 50 pieces larm, clearly recognizable as danger signarm, clearly recognizable as danger signarm, clearly recognizable detector base. NET, no auxiliary power supply required. Increase supply line up to cable 6 mm in diaminise use the base attachment or the base	BPZ:4942340001 A5Q00004117
EDS221-R	shielding, for the connection of nents. Can easily be inserted. Cable capacity Dimensions (W x H x D) Delivery unit Alarm sounder red Loud alarming in case of fire al nal. To be mounted on the wal corridors, staircases. Only appli Power is supplied via FDnet/C-N Monitoring of device status. For recess supply line. For surfa eter with base FDB221, otherw attachment wet. The base must be ordered separations.	1 2.5 mm ² 13.5 x 9.5 x 19.5 mm 50 pieces larm, clearly recognizable as danger sig- ll or on the ceiling along escape routes, icable with addressable detector base. NET, no auxiliary power supply required. Ince supply line up to cable 6 mm in diamise use the base attachment or the base arately.	
FDS221-R	Dimensions (W x H x D) Delivery unit Alarm sounder red Loud alarming in case of fire al nal. To be mounted on the wal corridors, staircases. Only appli Power is supplied via FDnet/C-N Monitoring of device status. For recess supply line. For surfaeter with base FDB221, otherw attachment wet. The base must be ordered separations of the surface of th	13.5 x 9.5 x 19.5 mm 50 pieces larm, clearly recognizable as danger sig- ll or on the ceiling along escape routes, icable with addressable detector base. NET, no auxiliary power supply required. Ince supply line up to cable 6 mm in diamise use the base attachment or the base arately.	
FDS221-R	Alarm sounder red Loud alarming in case of fire al nal. To be mounted on the wal corridors, staircases. Only appli Power is supplied via FDnet/C-N Monitoring of device status. For recess supply line. For surfa eter with base FDB221, otherw attachment wet. The base must be ordered separations of the surface of the surf	Jarm, clearly recognizable as danger sig- ll or on the ceiling along escape routes, icable with addressable detector base. NET, no auxiliary power supply required. ace supply line up to cable 6 mm in diam- ise use the base attachment or the base arately.	
	Loud alarming in case of fire al nal. To be mounted on the wal corridors, staircases. Only appli Power is supplied via FDnet/C-N Monitoring of device status. For recess supply line. For surfa eter with base FDB221, otherw attachment wet. The base must be ordered separations of the supply	Il or on the ceiling along escape routes, icable with addressable detector base. NET, no auxiliary power supply required. It is supply line up to cable 6 mm in diamise use the base attachment or the base arately.	
	nal. To be mounted on the wal corridors, staircases. Only appli Power is supplied via FDnet/C-N Monitoring of device status. For recess supply line. For surfaeter with base FDB221, otherw attachment wet. The base must be ordered separations of the supplement of the supplement wet.	Il or on the ceiling along escape routes, icable with addressable detector base. NET, no auxiliary power supply required. It is supply line up to cable 6 mm in diamise use the base attachment or the base arately.	
	· · · · · · · · · · · · · · · · · · ·	FDnet/C-NET	
	Operating voltage		
		12 33 VDC	
	Operating current	3.5 mA (sound activated)	
	Quiescent current	250 μΑ	
	Terminals	according to detector base	
	Number of sounds	11	
	Sound intensity	80 99 dBA	
	Ext. alarm indicator	25 70 %	
	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	

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Alarm Equipment Alarm Sounders, Alarm Sounder Beacon



Type Order No.

FDS221-W



Alarm sounder white

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 attach-

ment FDB291 mounting on the wall with cable feed from bottom ->

IP43, otherwise IP40.

With base FDB221 and sealing ele-

ment 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

A5Q00006711

Alarm Equipment Alarm Sounders, Alarm Sounder Beacon

Type Order No.

FDS229-R



Alarm sounder beacon, red

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.

 $\begin{array}{lll} \text{Communication protocol} & \text{FDnet/C-NET} \\ \text{Operating voltage} & 12... \ 33 \ \text{VDC} \\ \text{Quiescent current} & 250 \ \mu\text{A} \\ \end{array}$

Operating current 3.5 mA (sound activated)

3.5 mA (beacon activated)7.0 mA (sound and beacon activat-

ed)

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 attach-

ment 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

A5Q00023093

Alarm Equipment Alarm Sounders, Alarm Sounder Beacon



A5Q00023092

Type Order No.

FDS229-A



Alarm sounder beacon, orange

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.

 $\begin{array}{ll} \text{Communication protocol} & \text{FDnet/C-NET} \\ \text{Operating voltage} & 12... \ 33 \ \text{VDC} \\ \text{Quiescent current} & 250 \ \mu\text{A} \end{array}$

Operating current 3.5 mA (sound activated)

3.5 mA (beacon activated)

7.0 mA (sound and beacon activat-

ed)

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 attach-

ment FDB291 mounting on the wall with cable feed from bottom ->

IP43, otherwise IP42.

With base FDB221 and sealing ele-

ment 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

Dimensions (Ø x D) 100 x 43 mm
Data sheet Sinteso -> A6V10067776

Cerberus PRO -> A6V10229545 FDBZ293 Detector locking device

Accessories

Accessories

FDBZ293

Detector locking device

Threaded pin M3 x 6 to protect detector against theft. Scope of delivery

2 hexagonal wrenches 100 threaded pins A5Q00005035

Alarm Equipment Bases for Alarm Sounders, Alarm Sounder Beacon Order No. Type A5Q00001664 FDB221 Detector base addressable Base made from impact-proof and scratch-resistant synthetic material. Large opening in the detector base permits the reuse of existing boreholes 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 0.2... 1.5 mm² Cable capacity 100 x 22 mm Dimensions (Ø x H) Color white, ~RAL 9010 Data sheet Sinteso -> 007775 Cerberus PRO -> A6V10203095, A6V10229545 FDBZ291 Designation plate Accessories DBZ1190-AA Micro terminal 0.5 mm² DBZ1190-AB Connection terminal 2.5 mm² FDB291 Base attachment FDB293 Base attachment wet FDB222 Detector base flat, addressable S54319-F1-A1 Base made from impact-proof and scratch-resistant synthetic material. Large opening in the detector base permits the reuse of existing boreholes 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. Cable capacity 0.2... 1.5 mm² 100 x 22 mm Dimensions (Ø x H) Color white, ~RAL 9010 Data sheet Sinteso -> 007775

Cerberus PRO -> A6V10203095,

A6V10229545

Accessories FDBZ291 Designation plate

DBZ1190-AA Micro terminal

0.5 mm²

DBZ1190-AB Connection terminal

2.5 mm²

Accessories

FDBZ295 Sealing element S54319-F10-A1

Not usable together with the designation plate FDBZ291.

Use only with base FDB221, FDB221-AA for higher protection category.



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

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



Bases for Alarm S	sounders, Alarm Soul	nder Beacon	
Туре			Order No.
FDBZ291	Designation plate		A5Q00002621
	To identify the location addre	ess for detector bases.	
21-11-12	Dimensions (W x H)	62 x 35 mm	
	Color	transparent	
	Delivery unit	10 pieces	
DBZ1190-AA	Micro terminal 0.5 mm ² , 4-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		BPZ:4677080001
	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 mr	n ² , 3-pole	BPZ:4942340001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components.		
	nents. 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	
FDB291	Base attachment		A5Q00001603
	For the supply of surface-mounted lines ≥∅6 mm. The detector base FDB2xx is fixed with a spring-loaded catch. Mounting slots 46 90 mm.		
	Dimensions (Ø x H)	120 x 25 mm	
	Color	white, ~RAL 9010	
	Accessories	FDBZ291 Designation plate	
FDB293	Base attachment humid		A5Q00003945
		et environments, and when the detector out plugs for screwed cable gland M20.	
	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	

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

Туре			Order No.
DBZ1194	Protective cage To protect the detector from dan the base attachment humid.	nage. Can only be used together with	BPZ:4677110001
	Dimensions (Ø x H)	160 x 126 mm	
A5Q00004478	Screwed cable gland M20 x 1.5		A5Q00004478
	The screwed cable gland is for M2 er protection category.	20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
DBZ1193A	Detector designation plate		BPZ:4864330001
	To indicate a location address. To number detectors according to installation drawings. The font may be up to 10 mm in an area of 60 x 20 mm. The detector designation plate is connected directly to the base or base attachment.		
	Dimensions (W x H)	62 x 52 mm	
	Color Delivery unit	transparent 10 pieces	
	•		

Alarm Equipment Sounder Base for Automatic Detectors



Order No. Type

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 μΑ Alarm current 1.2 mA Cable capacity 0.2... 1.6 mm²

Number of sounds

Sound intensity 80... 88 dBA

Ext. alarm indicator 2

-25... +70 °C Operating temperature Storage temperature -30... +70 °C <95 % Relative humidity

Color white, ~RAL 9010

IP41 Protection category

IP42 with detector base seal RS720

C-NET -> FS720 System compatibility

Standard FN 54-3

Dimensions (W x H x D) 175 x 117 x 29 mm A6V10203095 Data sheet

FDBZ291 Designation plate Accessories RS720 Detector base seal

DBZ1190-AA Micro terminal

0.5 mm²

DBZ1190-AB Connection terminal

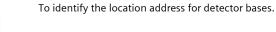
2.5 mm²

Accessories

FDBZ291

Designation plate

A5Q00002621

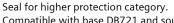


Dimensions (W x H) 62 x 35 mm Color transparent Delivery unit 10 pieces

RS720

Detector base seal

S54319-F8-A1



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

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Fire Detection Network (C-NET) Peripherals Alarm Equipment Sounder Base for Automatic Detectors

Туре			Order No.
DBZ1190-AA	Micro terminal 0.5 mm², 4-p As cross-connection in bases shielding, for the connection nents. Can easily be inserted.	BPZ:4677080001	
	Cable capacity Dimensions (W x H x D) Delivery unit	0.28 0.5 mm ² 10 x 7 x 10 mm 50 pieces	
DBZ1190-AB	Connection terminal 2.5 mr	m², 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 Dimensions (W x H x D) Delivery unit	1 2.5 mm ² 13.5 x 9.5 x 19.5 mm 50 pieces	

Alarm sounder tones

No.	Tonality	Frequency pattern Sweep from – to	Pulse pattern	and FDS2 intensity	le FDS221 229 sound level (typ. [dBA/1m]*)	Norm
		Hom – to		at 12 V	at 32 V	
1	Continuous	970 Hz		98 88 81	101 92 82	"evacuate" BS 5839 Part 1 1988
2	Intermittent	950 Hz	1s 1s	96 87 79	100 91 81	"alert" BS 5839 Part 1 1988
3	Sweep-down	1200 Hz – 500 Hz		96 87 79	100 91 80	DIN-Tone DIN33404 Part 3
4	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz	3.5 s	97 88 81	101 92 82	NEN2575 (Netherlands)
5	Pulse tone	500 Hz	0.15 s 0.1s	94 85 75	97 88 75	Swedish Standard SS 03 17 11, No. 1 "Imminent Danger"
6	Intermittent	500 Hz	0.15 s 0.6 s	93 84 75	96 87 75	Swedish Standard SS 03 17 11, No. 6 "Local Warning"
7	Continuous	500 Hz		94 85 76	97 88 76	Swedish Standard SS 03 17 11, No. 4 "All clear"
8	Alternating	560 Hz 440 Hz	0.1s 	94 85 75	98 89 76	"French fire sound" NF S 32-001-1975
9	Intermittent	420 Hz	0.6s 0.65s	94 85 76	98 89 77	Australia "Alert" AS 2220 -1978
10	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz	3.75 s 0.25 s	96 89 81	100 93 82	Australia "Action" AS 2220 -1978
11	Intermittent	970 Hz	0.5 s 	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'

Addressable Modules Line Separator

Type Order No.

FDCL221



Line separator

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.

Protection category IP44

System compatibility FDnet -> FS20, AlgoRex, SIGMASYS

C-NET -> FS720

Standard EN 54-17

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

A5Q00004011

Addressable Modules Line Separator



Type Order No.

FDCL221-M



Multi-line separator module

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.

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.

Communication protocol FDnet/C-NET Operating voltage 12... 33 VDC

Quiescent current 2.25 mA (9 x 250 μ A) 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)
 44 x 47.5 x 10 mm

 Data sheet
 A6V10230308

 Accessories
 TS35_122 U-rail

 TS35_288 U-rail

Accessories

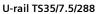
TS35_122

U-rail TS35/7.5/122

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

Dimensions (W x H) 35 x 122 mm

TS35_288



Universal mounting rail (U-rail) enables mounting of various equip-

ment.

Dimensions (W x H) 35 x 288 mm

S54312-F6-A1

BPZ:5644230001

BPZ:5644780001

Addressable Modules Input Modules

Type Order No.

FDCI221

Input module

S54312-F1-A1



For the connection of 1 circuit of potential-free, make-or-break contact for the indication of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).

1 input for potential-free contact. Input line is monitored for open line and short circuit (termination resistors). The input can be configured via the fire control panel for status or alarm messages.

Status indication by LED. Power supply via FDnet/C-NET.

Input module incl. 2 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol FDnet/C-NET Operating voltage 12... 33 VDC Quiescent current max. 0.3 mA

Cable capacity 0.2... 1.5 mm² (2.5 mm²)

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

FDCI222

Input module

Accessories

A5Q00001984



For the connection of 4 independent circuits of potential-free, make-orbreak 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

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.

Communication protocol FDnet/C-NET
Operating voltage 12... 33 VDC
Quiescent current 0.25... 0.35 mA

Cable capacity 0.2... 1.5 mm² (2.5 mm²)

Operating temperature -25...+60 °C Storage temperature -30...+65 °C Relative humidity ≤ 95 %

Color white, ~RAL 9010/transparent matt

Protection category IP3

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

TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

5-42 © Siemens Switzerland Ltd 2012

Addressable Modules Input/Output Modules



S54312-F2-A1

Type Order No.

FDCIO221

Input/output module



For the connection of 1 circuit of potential-free, make-or-break contact for the indication of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm). For the decentralized control of fire doors, ventilation and air conditioning.

1 input for potential-free contact. The input line is monitored for open line and short circuit (termination resistors). The input can be configured via the fire control panel for status or alarm message. 1 output configurable as a potential-free relay contact (30 VAC/VDC, 2 A) or as a monitored circuit (30 VDC, 2 A).

Status indication by LED. Power supply via FDnet/C-NET in potential-free mode. Monitored mode requires additional 24 VDC power supply. Input/output module incl. 3 resistors and 2 mounting feet for TS35 U-rail.

Communication protocol FDnet/C-NET
Operating voltage 12... 33 VDC
Quiescent current max. 0.4 mA

Relay output (volt-free) 30 VAC, 2 A, max 60 VA

30 VDC, 2 A, max 60 W

Cable capacity 0.2... 2.5 mm²
Operating temperature -25... +70 °C
Storage temperature -30... +75 °C
Relative humidity \leq 95 %

Color white, ~RAL 9010/transparent matt

Protection category IP30

IP65 with aux. housing FDCH221

System compatibility FDnet -> FS20

C-NET -> FS720 EN 54-17, EN 54-18

 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

Addressable Modules Input/Output Modules

Type Order No.

FDCIO222

CE WILL COMMITTEE STATE STATE

Input/output module

For the connection of 4 independent, potential-free, make-or-break contacts for the indication of technical states (e.g. door or ventilation control) or for alarm actuation (e.g. sprinkler alarm).

4 inputs for potential-free contacts. Input lines are monitored for open line and short circuit (termination resistors). Inputs can be independently configured via the fire control panel for status or alarm messages. 4 outputs with 4 potential-free relay contacts (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.

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 IP3

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

Addressable Modules Input/Output Modules



Type Order No.

FDCIO224



Input/output module

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 mm² (2.5 mm²) 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

A5Q00018689

Addressable Modules Input/Output Modules

Order No. Type

FDCIO223

Input/output module 'Transponder'

S24218-B102-A1



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

Transponder incl. 2 Transzorb diode 20 V, 8 resistors and 2 mounting feet for TS35 U-rail.

External input voltage 18... 32 VDC Power supply

FDnet/C-NET Communication protocol

FDnet/C-NET 12... 33 VDC Operating voltage

collective GMT Siemens/Cerberus, Detector line Synova conventional/SynoLINE300,

collective/SynoLINE600 or similar

Control output 24 VDC ± 5 % / 2 A

EOL resistor 3.3 k Ω /680 Ω , 2.7 k Ω /560 Ω , 3.3 k Ω

Cable capacity 0.2... 1.5 mm² (2.5 mm²)

Operating temperature -25... +60 °C -30... +65 °C Storage temperature ≤95 % Relative humidity

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

Addressable Modules

Accessories for Input-, Input/Output Modules



Order No. Type BPZ:5644780001 TS35_122 U-rail TS35/7.5/122 Universal mounting rail (U-rail) enables mounting of various equip-Dimensions (W x H) 35 x 122 mm BPZ:5644230001 TS35_288 U-rail TS35/7.5/288 Universal mounting rail (U-rail) enables mounting of various equipment. Dimensions (W x H) 35 x 288 mm S54312-F3-A1 FDCH221 Housing for input/output modules Housing with seal for the mounting of the input/output modules for The required screwed cable glands and back nuts M20 must be ordered separately. Dimensions (W x H x D) 207 x 119 x 48 mm Color white, ~RAL 9010 / transparent matt Protection category A5Q00004478 Screwed cable Accessories gland M20 A5Q00004479 Back nut M20 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 A5Q00004479 A5Q00004479 Back nut M20 Back nut to screwed cable gland M20 x 1.5. Delivery unit 10 pieces BPZ:4942340001 DBZ1190-AB Connection terminal 2.5 mm², 3-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other compo-Can easily be inserted. Cable capacity 1... 2.5 mm² Delivery unit 50 pieces

Floor Repeater Panels, Mimic Display Floor Repeater Terminals

Type Order No.

FT2010-A1

Floor repeater terminal

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

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

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

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 mm²

Color grey, ~RAL 7035

Dimensions (W x H x D) 282 x 207 x 79 mm

Operating temperature -8 +42 °C

Operating temperature $-8... +42 \,^{\circ}\text{C}$ Storage temperature $-20... +60 \,^{\circ}\text{C}$ 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)

A5Q00014104

Floor Repeater Panels, Mimic Display Floor Repeater Terminals



Type Order No.

FT2010-C1



Floor repeater terminal

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

The personnel responsible at the customer's premises have access to a clearly structured user interface for customer-specific plain texts to enable exact localization of events. Sections and zones operated and visualized using the floor repeater terminal can be configured. Display of alarms, pre-alarms, technical messages, faults, isolations possible. With the navigation keys an indicated list in the display can be scrolled through. Acknowledgement and resetting of events. Event text identical with the fire control panel or fire terminal. 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 mm²

Color grey, ~RAL 7035

Dimensions (W x H x D) 282 x 207 x 46 mm

Operating temperature $-8... +42 \,^{\circ}\text{C}$ Storage temperature $-20... +60 \,^{\circ}\text{C}$ Protection category IP30

Relative humidity \leq 95 % (no condensation) Standard EN 54-17, EN 54-18

System compatibility FDnet -> FS20

C-NET -> FS720

Data sheet 009393

S54400-F34-A1

Floor Repeater Panels, Mimic Display Floor Repeater Display

Type Order No.

FT2011-A1



Floor repeater display

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

Operating voltage 12... 32 VDC Supply voltage 20... 30 VDC

15... 18 VAC (external supply input)

Current consumption 5 mA @ 24 V (Quiescent current,

LCD illumination inactive) 45 mA @ 24 V (max. current, LCD

illumination active)

Communication protocol FDnet/C-NET

Cable capacity 0.8... 1.5 mm²

Color grey, ~RAL 7035

Dimensions (W x H x D) 282 x 207 x 79 mm

Operating temperature $-8... +42 \,^{\circ}\text{C}$ Storage temperature $-20... +60 \,^{\circ}\text{C}$ 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)

Accessories

FHA2013-A1



Rear (FT201x flat)

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

Dimensions (W x H x D) 271 x 191 x 27.5 mm

Material Zinc-plated sheet metal

FTO2005-C1



Key switch (Kaba)

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

A5Q00010113

A5Q00016552

A5Q00017706

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)

External supply input 14... 32 VDC, galvanically isolated

11... 22 VAC, galvanically isolated

 $\begin{array}{lll} \mbox{Communication protocol} & \mbox{FDnet/C-NET} \\ \mbox{Cable capacity} & 0.08... \ 1.5 \ \mbox{mm}^2 \\ \mbox{Dimensions (W x H x D)} & 106 \ \mbox{x} \ 200 \ \mbox{x} \ 45 \ \mbox{mm} \\ \end{array}$

Operating temperature 0...+40 °C Storage temperature -20...+60 °C

Protection category IP30 (3rd 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

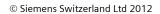
LED flat cable 50-wire, with 24 red LEDs

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

A5Q00014417

BPZ:5291410001





Visual Parallel Alarm Indicators

Alarm Indicators Al Series for C-NET Devices



Type Order No.

FDAI91

Alarm indicator - Door frame

S54370-F9-A1



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

Screwless connection terminals.

The alarm indicator is suitable for door frames.

Operating voltage 5... 8 VDC
Operating current max. 35 mA
Cable capacity max. 1.5 mm²
Operating temperature -25... +80 °C
Relative humidity \leq 95 %

Color white, ~RAL 9010

Protection category IP40

Dimensions (W x H x D) 62 x 37 x 24 mm
Data sheet A6V10276520

FDAI92

Alarm indicator - Surface

S54370-F3-A1



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.

 $\begin{array}{lll} \text{Operating voltage} & 5 \dots 8 \text{ VDC} \\ \text{Operating current} & \text{max. 35 mA} \\ \text{Cable capacity} & \text{max. 1.5 mm}^2 \\ \text{Operating temperature} & -25 \dots +80 \, ^{\circ}\text{C} \\ \text{Relative humidity} & \leq 95 \, ^{\circ}\text{M} \\ \end{array}$

Color white, ~RAL 9010

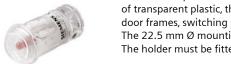
Protection category IP40

Dimensions (W x H x D)85 x 85 x 28 mmData sheetA6V10276520AccessoriesAl330 Adapter frame

FDAI93

Alarm indicator - Flush

S54370-F5-A1



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.

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 DJZ1191

Data sheet A6V10276520

Accessories DCA1191 Housing (IP56)

Alarm Indicators

Al Series for C-NET Devices

FDCAI221

Type



Addressable alarm indicator

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.

Operating voltage 12... 33 VDC Quiescent current $240...\ 400\ \mu A$ -10... +55 °C Operating temperature ≤95 % Relative humidity

Color white, ~RAL 9010

Protection category IP40

Dimensions (W x H x D) 85 x 85 x 32 mm Data sheet A6V10244934 Accessories Al330 Adapter frame

AI330



Adapter frame for alarm indicator

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

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

S54370-F10-A1

Order No.

BPZ:3169430001

Fire Detection Conventional/Collective Peripherals





Conventional fire detection – efficiency meets effectiveness

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

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

Conventional fire detectors – point detectors

SOA322 Base attachment for Connection **DBZ1190-AB** SO320 **Detector** locking device TP320 Optical smoke

detector OP320C

Conventional fire detectors – point detectors



Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 ASAtechnology Detectors

Туре			Order No.
ООН740	Multi-sensor smoke detecto	r, ASA	S54320-F7-A3
	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 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. In the collective/conventional mode you have the possibility to choose between three parameter sets: Standard Plus, Suppression and High Sensitive fast. The base must be ordered separately. Scope of delivery Detector and dust cap.		
	Communication protocol Operating voltage Quiescent current Ext. alarm indicator	C-NET or collective/conventional 12 33 VDC ~170 250 μA 2	
	Operating temperature	-25 +55 °C	
	Storage temperature	-30 +70 °C	
	Relative humidity	≤95 %	
	Color	white, ~RAL 9010	
	Protection category	IP40 IP44 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	
DB110	Detector base DB110 (Parameter set 1)		S54372-F5-A1
57 F 3 F	Standard conventional detector base for all series 110 point detectors. Selects parameter set 1 within detectors. For recess supply wiring or for surface supply wiring, cable diameter up to 8 mm.		
	Cable capacity	0.2 1.6 mm ²	
	Dimensions (Ø x H)	117 x 23 mm	
	Color	white, ~RAL 9010	

Fire Detection Conventional/Collective Peripherals

Conventional/Collective Line SynoLINE300/600 ASAtechnology Detectors



S54319-F15-A1

S54319-F16-A1

Type Order No.

57 E

DB721D

Detector base

Universal base with extra large mounting slots facilitates use with a

Universal base with extra large mounting slots facilitates 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.

For the OOH740 point detector of the series Cerberus PRO FD720 in collective/conventional mode.

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 the detector line is not interrupted even if no point detector is mounted

Cable capacity 0.2... 1.6 mm²
Dimensions (Ø x H) 117 x 23 mm
Color white, ~RAL 9010

Accessories DBZ1190-AA Micro terminal

0.5 mm²

DBZ1190-AB Connection terminal

2.5 mm²

FDBZ291 Designation plate RS720 Detector base seal

PSR720-1 Parameter set resistor 33k



Preassembled resistors complete with spade terminals suitable for easy installation into DB110 and DB721D detector bases to set the OOH740 detector into parameter set 1.

Delivery unit 25 pieces

PSR720-2 Parameter set resistor 68k S54319-F17-A1



Preassembled resistors complete with spade terminals suitable for easy installation into DB110 and DB721D detector bases to set the OOH740 detector into parameter set 2.

Delivery unit 25 pieces

FDBZ291 Designation plate A5Q00002621



To identify the location address for detector bases.

Dimensions (W x H) 62 x 35 mm

Color transparent

Delivery unit 10 pieces

RS720 Detector base seal S54319-F8-A1



Seal for higher protection category.
Compatible with base DB721 and sounder base DBS720.
Not usable together with the designation plate FDBZ291.

 $\begin{array}{ll} \mbox{Dimensions (Ø x H)} & \mbox{119 x 6.5 mm} \\ \mbox{Color} & \mbox{transparent} \\ \mbox{Delivery unit} & \mbox{10 pieces} \end{array}$

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 ASAtechnology Detectors

Туре			Order No.
BA720	Base attachment 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.		S54319-F20-A1
	Color Dimensions (Ø x H)	white, ~RAL 9010 120 x 25 mm	
LP720	Detector locking device Threaded pin M3 x 12 to prote Scope of delivery 2 hexagonal wrenches 100 threaded pins	ect detector against theft.	S54319-F9-A1
DBZ1190-AA	Micro terminal 0.5 mm², 4-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		BPZ:4677080001
	Cable capacity Dimensions (W x H x D) Delivery unit	0.28 0.5 mm ² 10 x 7 x 10 mm 50 pieces	
DBZ1190-AB	Connection terminal 2.5 mm ² , 3-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		BPZ:4942340001
	Cable capacity Dimensions (W x H x D) Delivery unit	1 2.5 mm ² 13.5 x 9.5 x 19.5 mm 50 pieces	

Conventional/Collective Line SynoLINE300/600 **Alarm indicators**



Order No. Type

FDAI91

Alarm indicator - Door frame

S54370-F9-A1



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

Screwless connection terminals.

The alarm indicator is suitable for door frames.

Operating voltage 5... 8 VDC Operating current max. 35 mA Cable capacity max. 1.5 mm² Operating temperature -25... +80 °C Relative humidity ≤95 %

white, ~RAL 9010

Protection category IP40

Dimensions (W x H x D) 62 x 37 x 24 mm Data sheet A6V10276520

FDAI92

Alarm indicator - Surface

S54370-F3-A1



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.

5... 8 VDC Operating voltage Operating current max. 35 mA Cable capacity max. 1.5 mm² Operating temperature -25... +80 °C Relative humidity ≤95 %

white, ~RAL 9010 Color

Protection category IP40

Dimensions (W x H x D) 85 x 85 x 28 mm Data sheet A6V10276520 Accessories AI330 Adapter frame

FDAI93

Alarm indicator - Flush

S54370-F5-A1



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 IP56 with DCA1191 Protection category

IP65 with DJZ1193 A6V10276520

Data sheet

Accessories DCA1191 Housing (IP56)

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Alarm indicators

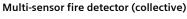
Туре			Order No.
A1330	Adapter frame for alarm indicator By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box. Dimensions (W x H x D) 85 x 85 x 16 mm		BPZ:3169430001
DCA1191	Housing (empty)		BPZ:4588560001
DC/(1151		applications. The housing offers six M20	
		ed cable glands and offers a higher pro-	
	Dimensions (W x H x D)	135 x 135 x 65 mm	
	Color Protection category	white, ~RAL 9010 IP56	
	Accessories	A5Q00004478 Screwed cable gland M20	
BPZ:2473130001	Washer		BPZ:2473130001
	Washer for alarm indicator model recess mounting. The washer can be used for applications in humid rooms.		
	Dimensions (Ø x D)	23 x 1 mm	
A5Q00004478	Screwed cable gland M20 x	1.5	A5Q00004478
	The screwed cable gland is for er protection category.	M20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
DJZ1193	Alarm indicator housing incl	. washer	BPZ:5302950001
6	For surface mounting in wet a 1 alarm indicator can be built		
	Dimensions (W x H x D)	87 x 87 x 64 mm	
	Color Protection category	white, ~RAL 9010 IP65	
MVH1	Mounting bracket		BPZ:3496190001
***	For mounting of the alarm indicator housing DJZ1193 and detectors in hollow floors.		
	Length	0.29 0.42 m (pipe clamp 1/2")	

Conventional/Collective Line SynoLINE300/600 Conventional/Collective 110-series Detectors



Type Order No.

OH110



For the detection of flaming fires caused by the combustion of liquid and solid matters, as well as smoldering fires and for reliable fire detection in environments with deceptive phenomena.

Selectable detection behavior by two parameter sets: Parameter set 1 (Sensitive) and Parameter set 2 (Robust).



Detector and dust cap.



Communication protocol collective/conventional Operating voltage 16... 28 VDC Operating temperature -10... +50 °C

 $\begin{array}{lll} \text{Storage temperature} & -30... + 70 \, ^{\circ}\text{C} \\ \text{Quiescent current} & \text{max. } 100 \, \mu\text{A} \\ \text{Relative humidity} & \leq 96 \, ^{\circ}\text{M} \\ \text{Protection category} & \text{IP40} \\ \end{array}$

IP42 with detector base seal RS720

Standard EN 54-7

Color white, ~RAL 9010 Dimension (Ø x H) 117 x 62 mm (incl. base)

Data sheet A6V10301051

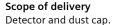
Accessories DBZ1190-AA Micro terminal

DBZ1190-AB Connection terminal FDBZ291 Designation plate LP720 Detector locking device RS720 Detector base seal

OP110

Smoke detector (collective)

For the detection of smoke-generating flaming and smoldering fires. Selectable detection behavior by two parameter sets: Parameter set 1 (Standard) and Parameter set 2 (Sensitive).





Communication protocol collective/conventional

Operating voltage 16... 28 VDC
Operating temperature -10... +55 °C
Storage temperature -30... +70 °C
Quiescent current max. 100 μ A
Relative humidity \leq 96 %
Protection category IP40

IP42 with detector base seal RS720

Standard EN 54-7

Color white, \sim RAL 9010 Dimension (Ø x H) 117 x 56 mm (incl. base)

Data sheet A6V10301051 Accessories DBZ1190-AA M

DBZ1190-AA Micro terminal
DBZ1190-AB Connection terminal
FDBZ291 Designation plate
LP720 Detector locking device
RS720 Detector base seal

S54372-F4-A1

S54372-F11-A1



Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Conventional/Collective 110-series Detectors

Туре			Order No.
HI110	Heat detector (collective, dif	ferential)	S54372-F9-A1
E	For areas having high levels of dust, dirt or moisture that may lead to false activating with smoke detectors. Parameter set A1R.		
	Communication protocol	collective/conventional	
	Operating voltage	16 28 VDC	
	Operating temperature	-10 +50 °C	
	Storage temperature	-30 +70 °C	
	Quiescent current	max. 100 μA	
	Relative humidity	≤96 %	
	Protection category	IP40 IP42 with detector base seal RS720	
	Standard	EN 54-7	
	Color	white, ~RAL 9010	
	Dimension (Ø x H)	117 x 62 mm (incl. base)	
	Data sheet	A6V10301051	
	Accessories	DBZ1190-AA Micro terminal DBZ1190-AB Connection terminal FDBZ291 Designation plate LP720 Detector locking device RS720 Detector base seal	
HI112	Heat detector (collective, sta	ntic)	S54372-F10-A1
	(A2S) and Parameter set 2 (B)	by two parameter sets: Parameter set 1	
1600	Communication protocol	collective/conventional	
	Operating voltage Operating temperature	16 28 VDC -10 +50 ℃	
	Storage temperature	-10 +30 °C -30 +70 °C	
	Quiescent current	max. 100 μA	
	Relative humidity	≤96 %	
	Protection category	IP40	
	rotection category	IP42 with detector base seal RS720	
	Standard	EN 54-7	
	Color	white, ~RAL 9010	
	Dimension (Ø x H)	117 x 62 mm (incl. base)	
	Data sheet	A6V10301051	
	Accessories	DBZ1190-AA Micro terminal DBZ1190-AB Connection terminal FDBZ291 Designation plate LP720 Detector locking device RS720 Detector base seal	
DB110	Detector base DB110 (Param	neter set 1)	S54372-F5-A1
	Standard conventional detector base for all series 110 point detectors. Selects parameter set 1 within detectors. For recess supply wiring or for surface supply wiring, cable diameter up to 8 mm.		
	Cable capacity	0.2 1.6 mm ²	
	Dimensions (Ø x H)	117 x 23 mm	
	Color	white, ~RAL 9010	

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600



Туре			Order No.
	D		CE4272 FC A4
DB110D	Detector base DB110D (Parameter set 1) Conventional detector base complete with a continuity diode for all series 110 point detectors. Selects parameter set 1 within detectors. For recess supply wiring and for surface supply wiring, cable diameter up to 8 mm.		S54372-F6-A1
	Cable capacity Color	0.2 1.6 mm ² white, ~RAL 9010	
	Dimensions (Ø x H) Data sheet	117 x 23 mm A6V10301051	
OB110R	Detector base DB110R (Pa	rameter set 2)	S54372-F7-A1
51 = 3 h	ting for all series 110 point detectors.	complete with a resistor for parameter se detectors. Selects parameter set 2 within d for surface supply wiring, cable diameter	
	Cable capacity	0.2 1.6 mm ²	
	Color	white, ~RAL 9010	
	Dimensions (Ø x H) Data sheet	117 x 23 mm A6V10301051	
2011000			CE4272 FO A4
DB110RD	Detector base DB110RD (F	•	S54372-F8-A1
57 = 3	Conventional detector base complete with a resistor for parameter setting and continuity diode for all series 110 point detectors. Selects parameter set 2 within detectors. For recess supply wiring and for surface supply wiring, cable diameter up to 8 mm.		
	Cable capacity	0.2 1.6 mm ²	
	Color	white, ~RAL 9010	
	Dimensions (Ø x H) Data sheet	117 x 23 mm A6V10301051	
	Accessories	7,0010301031	
.P720	Detector locking device		S54319-F9-A1
	_	otect detector against theft.	
FDBZ291	Designation plate		A5Q00002621
	To identify the location add	lress for detector bases.	
	Dimensions (W x H)	62 x 35 mm	
	Color	transparent	

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10 pieces

Delivery unit

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Conventional/Collective 110-series Detectors

Туре			Order No.
RS720	Detector base seal Seal for higher protection category. Compatible with base DB721 and sounder base DBS720.		S54319-F8-A1
Car Marie	Not usable together with the Dimensions (Ø x H) Color	119 x 6.5 mm	
	Delivery unit	transparent 10 pieces	
DBZ1190-AA	Micro terminal 0.5 mm², 4-pole As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		BPZ:4677080001
	Cable capacity Dimensions (W x H x D) Delivery unit	0.28 0.5 mm ² 10 x 7 x 10 mm 50 pieces	
DBZ1190-AB	Connection terminal 2.5 mr	n ² , 3-pole	BPZ:4942340001
		for external alarm indicators (AI), cable of a power supply unit or other compo-	
	Cable capacity Dimensions (W x H x D) Delivery unit	1 2.5 mm ² 13.5 x 9.5 x 19.5 mm 50 pieces	

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Conventional/Collective Line SynoLINE300/600 Collective Detectors AlgoRex Series



Type Order No.

DO1101A

Smoke detector, collective wide spectrum

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

Operating voltage 16... 24 VDC Quiescent current $max. 100 \mu A$ Operating temperature $-25... +60 \,^{\circ}\text{C}$ Protection category IP44 Standard EN 54-7

Dimensions (Ø x H) 115 x 51 mm (incl. base)
Color white, ~RAL 9010

Data sheet 001578

DT1101A



Heat detector

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 $+50\,^{\circ}\text{C}$. For the monitoring of rooms and installations where in the event of fire, a rapid increase in temperature can be expected, or other types of detector cannot be used due to operational reasons.

The base DB1101A must be ordered separately.

Operating voltage 16... 24 VDC Quiescent current $max. 100 \mu A$ Operating temperature -25... +50 °C Protection category IP44

Standard EN 54-5: A1R

Dimensions (\emptyset x H) 115 x 54.5 mm (incl. base)

Color white, ~RAL 9010

Data sheet 001578

DT1102A





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 $+70\,^{\circ}$ C. For the monitoring of rooms and installations in which high ambient temperatures can be expected up to $+70\,^{\circ}$ C.

The base DB1101A must be ordered separately.

Operating voltage 16... 24 VDC Quiescent current $\max. 100 \, \mu\text{A}$ Operating temperature $-25... +70 \, ^{\circ}\text{C}$ 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

BPZ:4930020001

BPZ:4931700001

BPZ:4931830001

Conventional/Collective Line SynoLINE300/600 Collective Detectors AlgoRex Series

Type Order No.

DB1101A

Base for collective detector series

BPZ:4863650001



Base made of impact and scratch-proof plastic and environmentally safe materials. Integral rubber gasket to protect against draught, dirt and dripping water from above. Screwless terminals for easy installation. Space for auxiliary terminals as micro terminals (0.5 mm²) and connection terminals (2.5 mm²). Fits all standard flush-mounted boxes from 55 to 80 mm.

 Cable capacity
 0.2... 2.5 mm²

 Dimensions (Ø x H)
 115 x 21 mm

 Color
 white, ~RAL 9010

 Data sheet
 001035

Accessories DBZ1191 Base attachment for sur-

face 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

 $0.5 \; mm^2$

DBZ1191

Base attachment for surface mounting

BPZ:4540830001



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

Dimensions (Ø x H) 116 x 22 mm

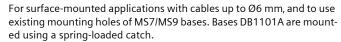
Color white, ~RAL 9010

Delivery unit 5 pieces

DBZ1191A-AA

Base attachment flat for surface mounting

BPZ:5011270001



Dimensions (Ø x H) 116 x 11 mm

Color white, ~RAL 9010

Delivery unit 10 pieces



Conventional/Collective Line SynoLINE300/600 Collective Detectors AlgoRex Series



Type Order No.

DBZ1192

Base attachment for humid environment

BPZ:4588140001



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

Dimensions (W x H x D) 135 x 135 x 45 mm Color white, ~RAL 9010

Protection category IP44

Accessories DBZ1194 Protective cage A5Q00004478 Screwed cable

gland M20

DBZ1194

Protective cage

BPZ:4677110001



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

Dimensions (Ø x H) 160 x 126 mm

A5Q00004478

Screwed cable gland M20 x 1.5

A5Q00004478



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

Delivery unit 10 pieces

DBZ1192-AA

Base attachment for wet environment

BPZ:5355590001



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

Dimensions (W x H x D) $135 \times 135 \times 45 \text{ mm}$ Color white, ~RAL 9010

Protection category IP55

Accessories A5Q00004478 Screwed cable

gland M20

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Collective Detectors AlgoRex Series

concentre beneat	ors Aigonex series		
Туре			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	EN 54-3	
	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
	tion of a simple fire control o	an integrated relay. It enables the connec- output facility. The contact is activated The base DB1101A is mounted using a	
	Operating voltage	external supply 10 48 VDC	
TI	Operating current	12 24 mA	
	Quiescent current	3.5 7 mA	
111	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 Accessories	001566 DBZ1190-AA Micro terminal	
	Accessories	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 compo-		
	nents. Can easily be inserted.		
	Cable capacity	0.39 0.5 mm?	
	Cable capacity Delivery unit	0.28 0.5 mm ² 50 pieces	
	Jenvery anne	so pieces	

Can easily be inserted.

Conventional/Collective Line SynoLINE300/600 Collective Detectors AlgoRex Series



Type

Order No.

DBZ1190-AB

Connection terminal 2.5 mm², 3-pole

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

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

DBZ1190 Locking device BPZ:4585260001



Delivery unit 50 pieces

To protect the detector from theft.

DBZ1190A-AC Detector heating BPZ:5167850001



Allows the AlgoRex series smoke detectors to operate under critical environmental conditions, for example where there is a danger of icing, moisture or condensation, in refrigeration plants, cold storage rooms, attics, loading ramps, etc. Fits in DB1101A.

Operating voltage 20... 30 VDC Operating current 35... 55 mA Operating temperature -30... +40 °C

DBZ1193A Detector designation plate BPZ:4864330001



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

Color transparent
Delivery unit 10 pieces

Conventional/Collective Line SynoLINE300/600 **Collective Manual Call Points**

Order No. Type

FDM1101-RG



Manual call point with glass plate

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

For surface mounting the housing base FDMH295-x must be ordered separately.

Communication protocol collective/SynoLINE600

Operating voltage 16... 28 VDC Operating current 60... 100 mA Terminal block 0.28... 1.5 mm² Operating temperature -25... +70 °C -30... +75 °C Storage temperature

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 A6V10206486 Data sheet

FDMH295-R housing base Accessories

FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm

FDMC295 Protective cover

FDM1101-RP



Manual call point with resettable plastic element

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.

collective/SynoLINE600 Communication protocol

Operating voltage 16... 28 VDC Operating current 60... 100 mA Terminal block 0.28... 1.5 mm² Operating temperature -25... +70 °C -30... +75 °C Storage temperature

Relative humidity ≤95 % (no condensation)

Protection category

Color red, ~RAL 3000 Standard EN 54-11 Dimensions (W x H x D) 87 x 87 x 20 mm Data sheet A6V10206486

FDMH295-R housing base Accessories

FDMH295-S housing base with 2 holes + grommets for cable Ø5 mm FDMC295 Protective cover

S54371-F6-A1

S54371-F6-A2

Conventional/Collective Line SynoLINE300/600 Collective Manual Call Points



Type Order No.

Accessories

FDMH295-R



Back box
Housing base for manual call points FDM225, FDM1101 and

FDM1101A for surface mounting.

 Color
 red, ~RAL 3000

 Dimensions (W x H x D)
 87 x 87 x 33

Accessories A5Q00004478 Screwed cable

gland M20

A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal

2.5 mm²

FDMH295-S



Back box with 2 entries

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

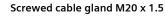
 Color
 red, ~RAL 3000

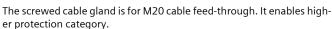
 Dimensions (W x H x D)
 87 x 87 x 33

Accessories DBZ1190-AB Connection terminal

2.5 mm²

A5Q00004478





er protection category.

Delivery unit 10 pieces

A5Q00004479



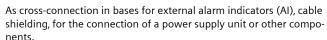
Back nut M20

Back nut to screwed cable gland M20 \times 1.5.

Delivery unit 10 pieces

DBZ1190-AB





Can easily be inserted.

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

A5Q00004479

A5Q00004478

A5Q00013437

A5Q00013438

BPZ:4942340001

Туре			Order No.
FDMC295	Protective cover		A5Q00013440
a of		The protective cover protects the manual call points FDM225, FDM226, FDM1101 and FDM1101A from unintentional glass break.	
	Color	transparent	
	Delivery unit	10 pieces	
DM1101	Collective manual call poin	t	DM1101
24	fire alarm by pushing in the g	or the immediate manual actuation of a glass plate. I the switching unit DMA1101 must be	
7.94	Operating temperature	-25 +70 °C	
	Protection category	IP44	
SIEMENS	Standard	EN 54-11	
	Dimensions (W x H x D) Data sheet	87 x 87 x 46.6 mm 007980	
	Accessories	FDMC291 Protective cover A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20	
	Products to select from		
	FDMH291-R	See Page 7-20	
	FDMH291-B	See Page 7-21	
	FDMH291-G	See Page 7-21	
	FDMH291-Y	See Page 7-21	
	DMA1101	See Page 7-21	
FDMH291-R	Housing red with key		A5Q00002217
	Housing with key for electron	nic unit.	
SIEMENS	Color	red, ~RAL 3000	

7-20



Туре			Order No.
FDMH291-Y	Housing yellow with key		A5Q00004979
	Housing with key for electronic u	ınit.	
SIEMENS	Color	yellow, ~RAL 1023	
FDMH291-G	Housing green with key		A5Q00004981
	Housing with key for electronic u	ınit.	
SIEMENS	Color	green, ~RAL 6024	
FDMH291-B	Housing blue with key Housing with key for electronic u	ınit. blue, ~RAL 5005	A5Q00004980
DMA1101	ings. For connection to collective	e action) for use within the FDMH291-x hous- //SynoLINE600 detection lines. An inte- n of alarm. Provided complete with 16 26 VDC 60 100 mA min. 0.28 1.5 mm ²	A5Q00005578

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Туре			Order No.
	Accessories		
FDMC291	Protective cover		A5Q00001644
FDIVIC291			A3Q00001044
	The protective cover protects glass break. For manual call p	s the manual call point from unintentional point housings FDMH291-x.	
	Delivery unit	5 pieces	
A5Q00004478	Screwed cable gland M20 x	: 1.5	A5Q00004478
	The screwed cable gland is fo er protection category.	r M20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
A5Q00004479	Back nut M20		A5Q00004479
	Back nut to screwed cable gla	and M20 x 1.5.	
0	Delivery unit	10 pieces	
DM1104	Collective manual call poin	Collective manual call point	
7	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.		
→ (4)	Operating temperature	-25 +70 °C	
SIEMENS	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 Accessories	007980 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	Can Dawa 7 24	
	DMA1192-AA DMA1192-AB	See Page 7-24 See Page 7-24	
	DMA1192-AC	See Page 7-24	
	DMA1192-AD	See Page 7-24	
	DMA1104D	See Page 7-23	

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Conventional/Collective Line SynoLINE300/600 Collective Manual Call Points



Type Order No.

DMA1104D



Switching unit collective (single action)

The electronic unit is a single action device by smashing in the glass plate to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning.

Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion-hazard areas only.

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

DM1103__



Collective manual call point

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 $-25... +70 \, ^{\circ}\text{C}$

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	7-23
DMA1192-AA	See Page	7-24
DMA1192-AB	See Page	7-24
DMA1192-AC	See Page	7-24
DMA1192-AD	See Page	7-24

DMA1103D



Switching unit collective (double action)

The electronic unit is a double action device; just break the glass and press the button to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning.

Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion-hazard areas only.

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

A5Q00005925

DM1103__

A5Q00004470

Туре			Order No.
DMA1192-AA	Housing red, with glass an	d key or the switching units DMA110xD.	BPZ:5222870001
NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK	Color	red, ~RAL 3000	
DMA1192-AB	Housing blue, with glass an		BPZ:5464250001
NOT IN USE AUSSER BETRIEB HORS SERVICE FUOR SERVICIO FUERA DE SERVICIO BUITEN GEBRUIK	Manual call point housing fo	or the switching units DMA110xD. blue, ~RAL 5005	
DMA1192-AC	Housing yellow, with glass Manual call point housing fo	or the switching units DMA110xD.	BPZ:5464120001
NOT IN USE AUSSER BETRIEB HORS SERVICE FUGH SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK	Color	yellow, ~RAL 1023	
DMA1192-AD	Housing green, with glass	and key	BPZ:5090190001
	Manual call point housing fo	or the switching units DMA110xD.	
NOT IN USE AUSSER BETRIEB HORS SERVICE FUORI SERVIZIO FUERA DE SERVICIO BUITEN GEBRUIK	Color	green, ~RAL 6024	
BUITEN GEBRUIK			

Conventional/Collective Line SynoLINE300/600 Collective Manual Call Points



Type Order No.

DM1103-L



Manual release button complete

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 mm²

 Standard
 EN 12094-3

Protection category IP54 (IP65 with seal DMZ1197-AD)

Operating temperature -25...+70 °C Dimensions (W x H x D) $134 \times 134 \times 43$ mm

Data sheet 007980

Accessories DMZ1197-AD Protection seal DMZ1197-AC Protective cover A500004478 Screwed cable

gland M20

DM1103-S



Emergency stop button complete

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.

 $\begin{array}{ll} \text{Terminal block} & \text{0.28...} \ \text{1.5} \ \text{mm}^2 \\ \text{Standard} & \text{EN 12094-3} \\ \end{array}$

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

A5Q00017630

A5Q00014486

Туре			Order No.
	Accessories		
DMZ1197-AD	Protection seal		BPZ:5470680001
00 000 000	Protects the manual call point in The seal improves the manual ca	wet applications. Il point housing's protection category.	
3 3 - 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Delivery unit	5 pieces	
DMZ1197-AC	Protective cover		BPZ:5223550001
	Protects the manual call point fr tive cover can be easily fitted dir	om unintentional glass break. Protecectly in the housing cover.	
	Delivery unit	5 pieces	
A5Q00004478	Screwed cable gland M20 x 1.5	5	A5Q00004478
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.		
	Delivery unit	10 pieces	
A5Q00006735	Locking plug M20 x 1.5 (1 hole)	A5Q00006735
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.		
	Color Delivery unit	red, ~RAL 3000 10 pieces	
A5Q00010055	Locking plug M20 x 1.5 (2 hole	s)	A5Q00010055
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.		
	Color Delivery unit	red, ~RAL 3000 10 pieces	

Conventional/Collective Line SynoLINE300/600 Alarm Indicators for SynoLINE600



Type Order No.

FDAI91

Alarm indicator - Door frame

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

Screwless connection terminals.

The alarm indicator is suitable for door frames.

Operating voltage 5... 8 VDC
Operating current max. 35 mA
Cable capacity max. 1.5 mm²
Operating temperature -25... +80 °C
Relative humidity \leq 95 %

Color white, ~RAL 9010

Protection category IP40

Dimensions (W x H x D) 62 x 37 x 24 mm Data sheet A6V10276520

FDAI92



Alarm indicator - Surface

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.

 $\begin{array}{lll} \mbox{Operating voltage} & 5... \ 8 \ \mbox{VDC} \\ \mbox{Operating current} & \mbox{max. } 35 \ \mbox{mA} \\ \mbox{Cable capacity} & \mbox{max. } 1.5 \ \mbox{mm}^2 \\ \mbox{Operating temperature} & -25... \ +80 \ \mbox{°C} \\ \mbox{Relative humidity} & \leq 95 \ \mbox{\%} \\ \end{array}$

Color white, ~RAL 9010

Protection category IP40

 $\begin{array}{lll} \mbox{Dimensions (W x H x D)} & 85 x 85 x 28 \mbox{ mm} \\ \mbox{Data sheet} & \mbox{A6V10276520} \\ \mbox{Accessories} & \mbox{Al330 Adapter frame} \end{array}$

AI330



Adapter frame for alarm indicator

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

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

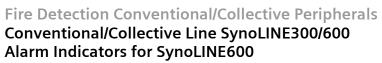
S54370-F9-A1

S54370-F3-A1

BPZ:3169430001

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Alarm Indicators for SynoLINE600

Туре			Order No.
FDAI93	Alarm indicator - Flush	varallel to automatic fire detectors. Made	S54370-F5-A1
	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.		
	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)	
DCA1191	Housing (empty)		BPZ:4588560001
	Housing with cover for several cable feed-throughs for screw	applications. The housing offers six M20 red cable glands and offers a higher pro-	
	tection category. The screwed cable gland must	t be ordered separately.	
	Dimensions (W x H x D)	135 x 135 x 65 mm	
	Color	white, ~RAL 9010	
	Protection category	IP56	
	Accessories	A5Q00004478 Screwed cable gland M20	
BPZ:2473130001	Washer		BPZ:2473130001
0	Washer for alarm indicator mo used for applications in humic	odel recess mounting. The washer can be d rooms.	
	Dimensions (Ø x D)	23 x 1 mm	
A5Q00004478	Screwed cable gland M20 x	1.5	A5Q00004478
	The screwed cable gland is for er protection category.	M20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
DJZ1193	Alarm indicator housing incl. washer		BPZ:5302950001
6	For surface mounting in wet a 1 alarm indicator can be built		
9	Dimensions (W x H x D)	87 x 87 x 64 mm	
	Color	white, ~RAL 9010	
	Protection category	IP65	





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

Conventional/Collective Line SynoLINE300/600 Conventional Detectors Synova 300 Series

Type Order No.

OP320C

Optical smoke detector

BPZ:5081460001



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

Operating voltage 16... 28 VDC

Operating current no smoke max. 100 µA

with smoke max. 170 μA

Operating temperature -10...+55 °C Protection category IP44 Standard EN 54-7

Color white, ~RAL 9010 (can be sprayed a

different color)

Dimensions (Ø x H) 100 x 44 mm (incl. base)

Delivery unit 2 pieces
Data sheet 006801

OH320C

BPZ:5364190001



Smoke detector, conventional multi-sensor

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

The base SO320 must be ordered separately.

Operating voltage 16... 28 VDC

Operating current no smoke max. 100 µA

with smoke max. 170 μA

Operating temperature -10... +55 °C
Protection category IP44
Standard EN 54-7

Color white, ~RAL 9010 (can be sprayed a

different color)

Dimensions (Ø x H) 100 x 52 mm (incl. base)

Delivery unit 2 pieces
Data sheet 006886

HI320C

Heat detector (rate of rise and maximum)

BPZ:5081590001



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

Operating voltage 16... 28 VDC Quiescent current max. 100 μ A Operating temperature -10... +50 °C Protection category IP44

Standard EN 54-5: A1R

Color white, ~RAL 9010 (can be sprayed a

different color)

Dimensions (\emptyset x H) 100 x 36 mm (incl. base)

Delivery unit 2 pieces
Data sheet 006885

Conventional/Collective Line SynoLINE300/600 Conventional Detectors Synova 300 Series



Type Order No.

HI322C

Heat detector (maximum)

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

The base SO320 must be ordered separately.

Operating voltage 16... 28 VDC Quiescent current $max. 100 \mu A$ Operating temperature $-10... +50 \,^{\circ}\text{C}$ Protection category IP44 Standard EN 54-5: A2

Color white, ~RAL 9010 (can be sprayed a

different color)

Dimensions (Ø x H) 100 x 36 mm (incl. base)

Delivery unit 2 pieces
Data sheet 006802

SO320



Base for Synova 300 series detectors

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

Cable capacity 0.2... 1.5 mm²
Color white, ~RAL 9010

Delivery unit 6 pieces

Accessories SOA322 Base attachment for sur-

face mounting

TP320 Detector locking device

Accessories

SOA322



Base attachment for surface mounting

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.

 $\begin{array}{ll} \mbox{Dimensions ($\emptyset \times H)} & \mbox{100 x 20 mm} \\ \mbox{Cable capacity} & \mbox{0.2... 2.5 mm}^2 \\ \mbox{Color} & \mbox{white, \simRAL 9010} \end{array}$

Delivery unit 6 pieces

Accessories DBZ1190-AB Connection terminal

2.5 mm²

DBZ1190-AB



Connection terminal 2.5 mm², 3-pole

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

Can easily be inserted.

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

BPZ:5316470001

BPZ:5085990001

BPZ:5358340001

BPZ:4942340001

Fire Detection Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Conventional Detectors Synova 300 Series

Гуре			Order No.
2320	Detector locking device	è	BPZ:5093100001
. 10	To protect the detector from theft. Mounts on the detector base SO320.		
7/			
5	Delivery unit	50 pieces	

Conventional/Collective Line SynoLINE300/600 Conventional Manual Call Points



Type Order No.

FDM1101A-RG



Manual call point with glass plate

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 mm²
Operating temperature -25... +70 °C
Storage temperature -30... +75 °C

Relative humidity ≤95 % (no condensation)

Protection category IP44

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

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 mm²
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

1 DIVIC293 FTOLECTIVE COVEL

S54371-F6-A3

S54371-F6-A4

Туре			Order No.
	Accessories		
FDMH295-R	Back box		A5Q00013437
8 7	Housing base for manual call points FDM225, FDM1101 and FDM1101A for surface mounting.		
	Color Dimensions (W x H x D) Accessories	red, ~RAL 3000 87 x 87 x 33 A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm ²	
FDMH295-S	Back box with 2 entries		A5Q00013438
	Housing base for manual call points FDM225, FDM1101 and FDM1101A with 2 holes on top fitted with grommet for cable Ø5 mm for surface mounting.		
0.00	Color	red, ~RAL 3000	
	Dimensions (W x H x D) Accessories	87 x 87 x 33 DBZ1190-AB Connection terminal 2.5 mm ²	
A5Q00004478	Screwed cable gland M20 x	A5Q00004478	
	The screwed cable gland is for M20 cable feed-through. It enables higher protection category.		
	Delivery unit	10 pieces	
A5Q00004479	Back nut M20		A5Q00004479
	Back nut to screwed cable gland M20 x 1.5.		
	Delivery unit	10 pieces	
DBZ1190-AB	Connection terminal 2.5 mm², 3-pole		BPZ:4942340001
	As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.		
	Cable capacity Delivery unit	1 2.5 mm ² 50 pieces	



Туре			Order No.
FDMC295	Protective cover		A5Q00013440
70 00	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 Conventional/Collective Peripherals Conventional/Collective Line SynoLINE300/600 Alarm Indicators for SynoLINE300

Туре			Order No.
AI91C	Alarm indicator - Door frame 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.		S54370-F7-A1
	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 % IP40	
	Protection category Dimensions (W x H x D)		
	Color	62 x 37 x 24	
	Data sheet	white, ~RAL 9010 A6V10276522	
	Data sneet	A6V10276322	
A192C	Alarm indicator - Surface		S54370-F8-A1
	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.		
	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	Al330 Adapter frame	
		•	
A1330	Adapter frame for alarm inc	dicator	BPZ:3169430001
	By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.		
	Dimensions (W x H x D)	85 x 85 x 16 mm	

Conventional Alarm Equipment

Sounders

Type

AGN24.6



() III

Alarm device

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

The adapter base ZS/AGN24.5 for IP65 must be ordered separately.

 $\begin{array}{lll} \mbox{Operating voltage} & 9... \ 30 \ \mbox{VDC} \\ \mbox{Alarm current} & 18 \ \mbox{mA} \\ \mbox{Operating temperature} & -25... \ +80 \ \mbox{°C} \\ \end{array}$

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 mm²

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

ZS/AGN24.5



Adapter base

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

Dimensions (Ø x D) 93 x 30 mm Color white, ~RAL 9003

Protection category IP65
Data sheet 001790

AGT24.1



Alarm device

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

Operating voltage 9... 30 VDC Alarm current 3... 15 mA Operating temperature -25... +85 °C

Number of sounds

 Frequency range
 510... 970 Hz

 Volume at 24 V and 1 m
 86... 97 dB

 Cable capacity
 0.28... 1.5 mm²

Protection category IP42

Dimensions (\emptyset x D) 110 x 35 mm Color white, ~RAL 9003

Data sheet 001790

BPZ:5371170001

Order No.

BPZ:4242620001

BPZ:5371040001

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Optical Signaling Equipment

Type Order No.

ALB24.1OR

Flashing signal lamp 'orange'

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.

 $\begin{array}{lll} \text{Operating voltage} & 20... \ 30 \ \text{VDC} \\ \text{Alarm current} & 155 \ \text{mA} \ (3.7 \ \text{W}) \\ \text{Operating temperature} & -20... \ +55 \ ^{\circ}\text{C} \\ \text{Frequency range} & \text{ca. 1 Hz} \ (60/\text{min.}) \\ \end{array}$

Flash energy 2 Joule
Cable capacity 1.5 mm²
Protection category IP54
Dimensions (Ø x D) 93 x 75 mm
Data sheet 001570

Accessories ZS/AGN24.5 Adapter base for IP65

ALB24.1R



Flashing signal lamp 'red'

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.

 $\begin{array}{lll} \text{Operating voltage} & 20... \ 30 \ \text{VDC} \\ \text{Alarm current} & 155 \ \text{mA} \ (3.7 \ \text{W}) \\ \text{Operating temperature} & -20... \ +55 \ ^{\circ}\text{C} \\ \text{Frequency range} & \text{ca. 1 Hz (60/min.)} \\ \end{array}$

Flash energy 2 Joule
Cable capacity 1.5 mm²
Protection category IP54
Dimensions (Ø x D) 93 x 75 mm
Data sheet 001570

Accessories ZS/AGN24.5 Adapter base for IP65

ZS/AGN24.5



Adapter base

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

Dimensions (Ø x D) 93 x 30 mm Color white, ~RAL 9003

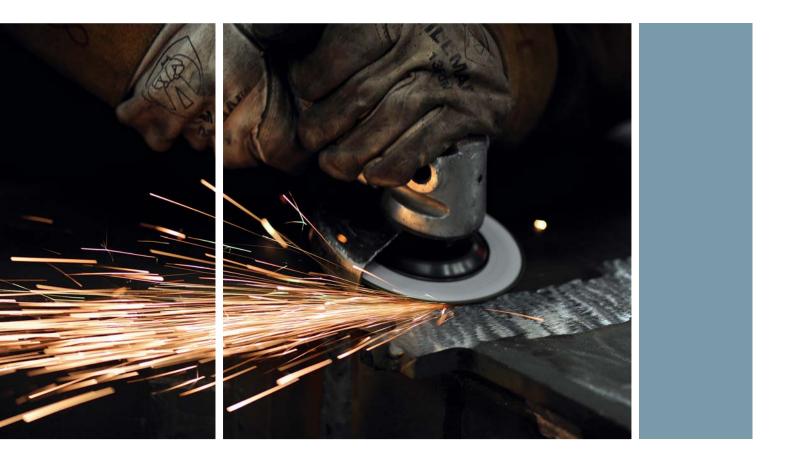
Protection category IP65
Data sheet 001790

BPZ:5154140001

BPZ:5154270001

BPZ:4242620001

Special Applications



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.

FDF_



Infrared flame detector

Infrared flame detector for special applications. The infrared flame detector detects smokeless liquid and gas fires as well as smoke-generating open fires resulting from the combustion of carbonaceous materials such as wood, synthetics, gases, oil products, etc. The LE3 test lamp is used to make a performance check on the infrared flame detector at a distance of up to 10 m.

Can be used as an addressable, collective or conventional device. The detector unit FDF2x1-9 and the base FDFB291 must be ordered separately.

Communication protocol FDnet/C-NET, collective, conven-

tional

Ext. alarm indicator 2 Relative humidity \leq 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 EN 54-10, EN 54-17 135 x 135 x 77 mm

Data sheet 007012

Accessories DFZ1190 Rain hood
MV1 Mounting bracket
MWV1 Ball and socket joint

Products to select from

Dimensions (W x H x D)

Standard

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

FDF221-9



DA Infrared flame detector unit (1 sensor)

The infrared flame detector is used for simple applications, additional to smoke detectors. Only used without source of interference such as sun, halogen light, and black body radiation.

1 infrared sensor with detection algorithms.

The base FDFB291 must be ordered separately.

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

FDF__

A5Q00003902

Special Applications

Special Detectors Infrared Flame Detectors



Order No. Type

FDF241-9



ASA Infrared flame detector unit (3 sensors)

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

The base FDFB291 must be ordered separately.

FDnet/C-NET -> 12... 33 VDC Operating voltage

collective/conv. -> 14... 28 VDC

FDnet/C-NET -> 0.7 mA Quiescent current collective/conv. -> 0.5 mA

Operating temperature -35... +70 °C Storage temperature -40... +75 °C

Dimensions (W x H x D) 135 x 135 x 32 mm Protection category IP67

FDFB291





A5Q00003006



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.

0.2... 1.5 mm² (AWG24... 15) Cable capacity

Dimensions (W x H x D) 135 x 135 x 45 mm

A5Q00004478 Screwed cable Accessories

gland M20

DFZ1190



Rain hood

Rain hood for the infrared flame detector for outdoor applications.

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

MV1



Mounting bracket

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

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

BPZ:5302660001

BPZ:3950450001

Special Applications Special Detectors Infrared Flame Detectors

Туре			Order No.
MWV1	to a defined object.	ed flame detector for the orientation	BPZ:3674840001
LE3	sories in a suitable carrying case (in carrying case also provides a mean dust. The battery FA2003-A1 must be or Operating temperature Storage temperature Battery capacity Data sheet	supplied with all the necessary acces- ncl. charger, without battery). The ns of storing the test lamp free of	BPZ:3669510001

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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, conven-

tional

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
 EN 54-12, EN 54-17

 Dimensions (W x H x D)
 135 x 135 x 115 mm

Data sheet 007017

Products to select from

 FDL241-9
 See Page 9-6

 FDLB291
 See Page 9-6

Special Detectors Linear Smoke Detectors

Type Order No.

FDL241-9



ASA Linear smoke detector unit

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

Operating voltage

Quiescent current Dimensions (W x H x D) Accessories FDnet/C-NET -> 12... 33 VDC collective/conv. -> 14... 28 VDC

0.8 mA / 0.7 mA 135 x 135 x 70 mm

DLR1191 Reflector for long distance DLR1192 Reflector for middle dis-

tance

DLR1193 Reflector for short dis-

tance

 $DLF 1191-AA\,Short\,distance\,filter\,for$

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

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
Dimensions (W x H x D)
Accessories

0.2... 1.5 mm² (AWG24... 15) 135 x 135 x 45 mm

A5Q00004478 Screwed cable

gland M20

A5Q00002298

A5Q00003941

Special Detectors Linear Smoke Detectors



Type Order No.

Accessories

DLR1191

Reflector for long distance (prism)

BPZ:4787710001



Retro-reflectors are characterized by the fact that an impinging light ray is reflected in parallel. The reflector does not need to be mounted at a right angle to the light ray. Vibrations and distortions in the wall where the reflector is mounted do not cause any disturbances either. Another advantage lies in the fact that possibly interfering light is also reflected in on itself and can thus not reach the receiver.

The retro-reflecting prism has the shape of an even pyramid, the lateral surfaces of which are made up from isosceles, right-angled triangles. Light rays coming in through the base surface are completely reflected by the lateral surfaces and are then scattered back through the base. For distances of 20... 100 m.

Detector heating equipped, external power supply 24

VDC is required

Dimensions (W x H x D) 135 x 135 x 65 mm Color white, ~RAL 9010

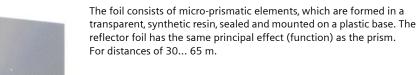
Accessories A5Q00004478 Screwed cable

gland M20

DLR1192

Reflector for middle distance (foil)

BPZ:4788490001



Dimensions (W x H x D) 200 x 200 x 2.5 mm



Reflector for short distance (foil)

BPZ:4787840001



The foil consists of micro-prismatic elements, which are formed in a transparent, synthetic resin, sealed and mounted on a plastic base. The reflector foil has the same principal effect (function) as the prism. For distances of 10... 30 m.

Dimensions (W x H x D) 100 x 100 x 2.5 mm

A5Q00004478

Screwed cable gland M20 x 1.5

A5Q00004478



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

Delivery unit 10 pieces

DLF1191-AA

Filter for short distances (7... 10 m)

BPZ:4933030001

For short distances between 7 and 10 meters, an additional short distance filter is required. The filter attenuates the detector signal over short distances. The filter can be inserted directly into the detector unit.

Special Applications Special Detectors Linear Smoke Detectors

DLF1191-AB Filter for short distances (5 8 m) 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.	Туре			Order No.
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). Detector heating Enables operation of a linear smoke detector where there is a risk of condensation. 24 VDC external power supply is necessary. Operating voltage Operating voltage Operating current 30 50 mA Adjustment device set for linear smoke detector 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. BPZ:3685190001 Por performance check of linear smoke detectors 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 taster. The detector tester is then held in front of the optical parts of the detector (i.e. into the infrared ray). The detector reacts after a few seconds. Alarm test filter contained in FDLU291 or TF04 must be ordered separately. Data sheet Synova, AlgoRex > 001164 Sinteso > 007228 Cerberus RRO > A6V10203222 Accessories FDLM291 Telescope rod	DLF1191-AB	For short distances between 5 and 8 meters, an additional short distance filter is required. The filter attenuates the detector signal over		BPZ:4933160001
DLH1191A Detector heating Enables operation of a linear smoke detector where there is a risk of condensation. 24 VDC external power supply is necessary. Operating voltage Operating current 30 50 mA Adjustment device set for linear smoke detector 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. PPZ:3685190001 RE10 Detector tester for linear smoke detectors For performance check of linear smoke detector, In compliance with the type of detector to be tested, the alarm test filter is inserted in the detector tester. The detector tester is then held in front of the optical parts of the detector (i.e. into the infrared ray). The detector reacts after a few seconds. Alarm test filter contained in FDLU291 or TF04 must be ordered separately. Data sheet Synova, AlgoRex > 001164 Sinteso > 007228 Cerberus PRO > A6V10203222 Accessories FDUM291 Telescope rod	DLF1191-AC	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		BPZ:5221480001
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. BPZ:3685190001	DLH1191A	Detector heating Enables operation of a linear smoke detector where there is a risk of condensation. 24 VDC external power supply is necessary. Operating voltage 20 30 VDC		BPZ:4787970001
For performance check of linear smoke detector. In compliance with the type of detector to be tested, the alarm test filter is inserted in the detector tester. The detector tester is then held in front of the optical parts of the detector (i.e. into the infrared ray). The detector reacts after a few seconds. Alarm test filter contained in FDLU291 or TF04 must be ordered separately. Data sheet Synova, AlgoRex -> 001164 Sinteso -> 007228 Cerberus PRO -> A6V10203222 Accessories TF04 Alarm test filter FDUM291 Telescope rod	FDLU291	The optics of the linear smoke de the reflector by single-handed ali Box with adjustment device, alarn	etector can be efficiently adjusted to gnment via the adjustment device. n test filter, visor, magnet, spiral cable,	A5Q00004905
		For performance check of linear sthe type of detector to be tested, detector tester. The detector tester is then held in tor (i.e. into the infrared ray). The Alarm test filter contained in FDL rately. Data sheet	smoke detector. In compliance with the alarm test filter is inserted in the afront of the optical parts of the detected detector reacts after a few seconds. U291 or TF04 must be ordered sepasions. Synova, AlgoRex -> 001164 Sinteso -> 007228 Cerberus PRO -> A6V10203222 TF04 Alarm test filter FDUM291 Telescope rod	BPZ:3685190001

Special Applications Special Detectors



Linear Smok	e Detectors	
Туре		Order No.
F04	Alarm test filter (Absorption 77 %)	BPZ:4931090001

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Special Detectors Air Sampling Smoke Detection

Type Order No.

FDBZ292



Air sampling smoke detection kit

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

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

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

Can be used as an addressable or collective device.

The smoke detectors and bases must be ordered separately.

Smoke detector Sinteso -> FDO241, FDOOT241-8,

FDOOT241-9

AlgoRex, Synova -> DO1133A, DO1103A, DO1104A Cerberus PRO -> DO1104A Sinteso -> FDB201/221,

Detector base Sinteso -> FDB201/221 FDB201/221-AA

AlgoRex -> DB1151A, DB1131A,

A5Q00021362

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

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 mm²

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Special Detectors Air Sampling Smoke Detection



Type Order No.

DO1104A



Smoke detector, collective wide spectrum

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.

 $\begin{array}{lll} \text{Operating voltage} & 16...\ 24\ \text{VDC} \\ \text{Quiescent current} & \text{max. } 100\ \mu\text{A} \\ \text{Operating temperature} & -25...\ +60\ ^{\circ}\text{C} \\ \text{Storage temperature} & -30...\ +75\ ^{\circ}\text{C} \\ \text{Sensitivity} & \text{Typ. } 1.8\ \%\text{/m} \\ \end{array}$

Protection category IP44

Color white, ~RAL 9010

Dimensions (Ø x H) 115 x 51 mm (incl. base)

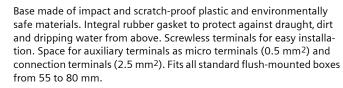
Standard EN 54-7 Data sheet 001578

DB1101A



BPZ:4863650001

BPZ:5090640001



 $\begin{array}{lll} \mbox{Cable capacity} & 0.2... \ 2.5 \ \mbox{mm}^2 \\ \mbox{Dimensions} \ (\mbox{\o} \ x \ \mbox{H}) & 115 \ x \ 21 \ \mbox{mm} \\ \mbox{Color} & \mbox{white, \simRAL 9010} \\ \end{array}$

Data sheet 001035

Accessories





Air flow tube 0.6 m

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

Length 0.6 m





Special Applications Special Detectors Air Sampling Smoke Detection

Туре		Order No.
FDBZ292-AB	Air flow tube 1.5 m As FDBZ292-AA but different length.	A5Q00021364
	Length 1.5 m	
FDBZ292-AC	Air flow tube 2.8 m	A5Q00021366
PDBZZ9Z-AC	As FDBZ292-AA but different length.	A3Q00021300
	Length 2.8 m	
FDBZ292-AD	Sealing kit for air flow tubes One sealing kit is necessary for -> applications using the mounting bracket -> applications using air flow tubes longer than 1 m Two sealing kits are necessary for -> applications using the mounting bracket and air flow tubes longer than 1 m	A5Q00021367
FDBZ292-AF	Mounting bracket	A5Q00021369
	The mounting bracket is used for uneven, round and insulated ducts.	,

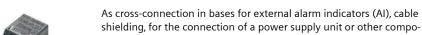
9-12

Special Detectors Air Sampling Smoke Detection



Type Order No.

DBZ1190-AB



Can easily be inserted.

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

Connection terminal 2.5 mm², 3-pole

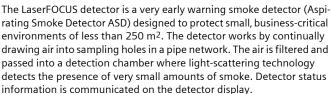
BPZ:4942340001

Special Detectors Aspirating Smoke Detection

Order No. Type

LaserFOCUS VLF-250

Aspirating smoke detector with display



The FDnet/C-NET interface card is integrated.

Communication protocol FDnet/C-NET Operating voltage 18... 30 VDC Ouiescent current 220 mA Alarm current 295 mA

Display 4 Alarm state indicators

Fault and disabled indicators Smoke level indicator

up to 250 m²

Area coverage 0.025 - 2.00 %/m / Info alarm, Pre-Alarm threshold

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

max. 1 x 25 m (max. 12 holes) Pipe length

max. 2 x 15 m per branch (max. 6

holes per branch)

3x 2 A / 30 V Relay outputs

Pre-alarm, Alarm, Fault

Terminals 0.2... 2.5 mm² (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 VLF-250-SIE

9-14

Special Detectors Aspirating Smoke Detection



VLF-500-SIE

Type Order No.

LaserFOCUS VLF-500



Aspirating smoke detector with display

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 m². 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

Jilloke level illul

Area coverage up to 500 m²

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 mm² (30... 12 AWG)

Dimensions (W x H x D) 255 x 185 x 90 mm

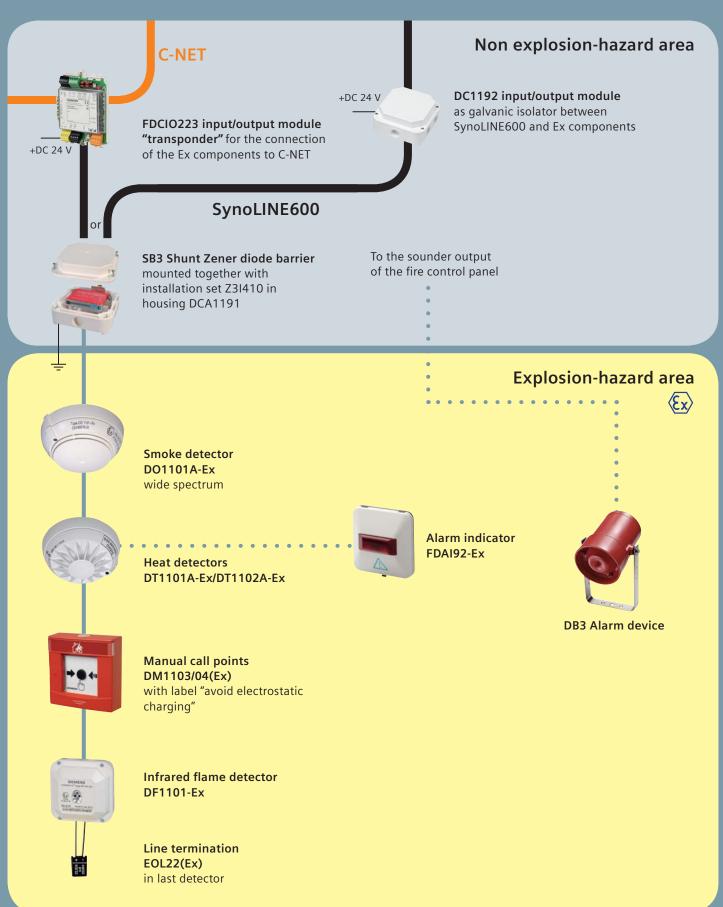
Operating temperature $0... +40 \,^{\circ}\text{C}$

Relative humidity ≤95 % (no condensation)

Protection category IP30

Data sheet A6V10221433

Explosion-hazard area products Ex product overview



Explosion-Hazard Area Products Interface to C-NET



Type Order No.

FDCIO223



Input/output module 'Transponder'

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

Transponder incl. 2 Transzorb diode 20 V, 8 resistors and 2 mounting feet for TS35 U-rail.

Power supply External input voltage 18... 32 VDC

Communication protocol FDnet/C-NET

Operating voltage FDnet/C-NET 12... 33 VDC

Detector line collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300,

collective/SynoLINE600 or similar

Control output $24 \text{ VDC} \pm 5 \% / 2 \text{ A}$

EOL resistor 3.3 k Ω /680 Ω , 2.7 k Ω /560 Ω , 3.3 k Ω

Cable capacity 0.2... 1.5 mm² (2.5 mm²)

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

sories TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Accessories

FDCH221



Housing for input/output modules

Housing with seal for the mounting of the input/output modules for wet applications.

The required screwed cable glands and back nuts M20 must be ordered separately.

Dimensions (W x H x D) 207 x 119 x 48 mm

Color white, ~RAL 9010 / transparent matt

Protection category IP65

Accessories A5Q00004478 Screwed cable

gland M20

A5Q00004479 Back nut M20

S24218-B102-A1

S54312-F3-A1

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

Туре			Order No.
A5Q00004478	Screwed cable gland M	И20 x 1.5	A5Q00004478
	The screwed cable gland er protection category.	l is for M20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
\5Q00004479	Back nut M20		A5Q00004479
0	Back nut to screwed cab	Back nut to screwed cable gland M20 x 1.5.	
	Delivery unit	10 pieces	
DBZ1190-AB	Connection terminal 2	.5 mm², 3-pole	BPZ:4942340001
		pases for external alarm indicators (AI), cable ction of a power supply unit or other compo-	
	Cable capacity Delivery unit	1 2.5 mm ² 50 pieces	
EOL22(Ex)	Line termination		BPZ:5162220001

Explosion-Hazard Area Products Interface to Collective Line SynoLINE600



Type Order No.

DC1192-I__

Input/output module for galvanic isolation

The input/output module DC1192 for galvanic isolation (detection line coupler) between control unit of collective line SynoLINE600 and e.g. shunt Zener diode barrier with fire detectors for explosion-hazard areas (via SB3).

The housing DCA1191, the terminal base DCB1192A and the electronic unit DCA1192A must be ordered separately.

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

Products to select from

 DCA1191
 See Page
 9-19

 DCB1192A
 See Page
 9-19

 DCA1192A
 See Page
 9-19

DCA1191

Housing (empty)

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

The screwed cable gland must be ordered separately.

Dimensions (W x H x D) 135 x 135 x 65 mm Color white, ~RAL 9010

Protection category IP56

Accessories A5Q00004478 Screwed cable

gland M20

DCB1192A

Terminal base for DC1192

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

Cable capacity 0.2... 2.5 mm² / AWG 24... 14 Accessories DBZ1190-AA Micro terminal

0.5 mm²

DCA1192A

Electronic unit for DC1192

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

The line termination elements are also included in the packaging.

Detection line current max. 5 mA
Detection line voltage 18... 22 VDC

Operating current control line max. 2 A, 60 W
Operating voltage external 18... 32 VDC

Quiescent current ≤45 mA

BPZ:4588560001

DC1192-I__

BPZ:5084500001



BPZ:5081200001

Special Applications Explosion-Hazard Area Products Interface to Collective Line SynoLINE600

Туре			Order No.
EOL22(Ex)	Line termination End-of-line unit for collective detection explosion-hazard areas of zones	tion lines or as end-of-line unit with- 1 and 2.	BPZ:5162220001
	Accessories		
A5Q00004478	Screwed cable gland M20 x 1.5		A5Q00004478
	The screwed cable gland is for M20 er protection category.	cable feed-through. It enables high-	
	Delivery unit	10 pieces	
DBZ1190-AA	Micro terminal 0.5 mm², 4-pole		BPZ:4677080001
	As cross-connection in bases for exshielding, for the connection of a pnents. Can easily be inserted.		
		0.28 0.5 mm ² 50 pieces	
	January anno	50 p.ccc5	

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Explosion-Hazard Area Products Ex-Barrier



Type Order No.

SB3

Safety barrier

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.

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

DCA1191

Housing (empty)

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

The screwed cable gland must be ordered separately.

Dimensions (W x H x D) 135 x 135 x 65 mm Color white, ~RAL 9010

Protection category IP56

Accessories A5Q00004478 Screwed cable

gland M20

Z3I410

Installation set

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

ONE OF THE PROPERTY OF THE PRO

DBZ1190-AA

Micro terminal 0.5 mm², 4-pole

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

Can easily be inserted.

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

Accessories

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

BPZ:4837400001

BPZ:4588560001

BPZ:4677080001

BPZ:4837660001

A5Q00004478



Explosion-Hazard Area Products Point Detectors Ex-Series

Type Order No.

DO1101A-Ex

O and a man and a state of the state of the

Smoke detector, wide spectrum collective 'Ex'

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

Operating voltage 17... 24 VDC Quiescent current max. 100 μ A Operating temperature -25... +60 °C Storage temperature -30... +75 °C Relative humidity \leq 95 %

Ex-classification II 2 G Ex ib IIC T4 (-25 °C \leq Ta \leq 60 °C)

Dimensions (Ø x H) 115 x 51 mm (incl. base)
Color white, ~RAL 9010
Standard for fire detectors EN 54-7
for explosion-hazard areas

EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)

Protection category IP44
Data sheet 001469

DT1101A-Ex



Heat detector collective 'Ex'

For the monitoring of explosion-hazard areas of zones 1 and 2 with a maximum ambient temperature of $50\,^{\circ}$ C. It is characterized by reliable response behavior, not only in the event of slow temperature rises, but also where the temperature rises are fast.

The base DB1101A must be ordered separately.

Operating voltage 16... 24 VDCQuiescent current $\text{max. } 100 \text{ } \mu\text{A}$ Operating temperature $-25... +50 \text{ }^{\circ}\text{C}$ Storage temperature $-30... +75 \text{ }^{\circ}\text{C}$ Relative humidity $\leq 95 \text{ }^{\circ}\text{C}$

Ex-classification II 2 G Ex ib IIC T4 (-25 °C \leq Ta \leq 50 °C)

Dimensions (\emptyset 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)

Protection category IP44
Data sheet 001469

BPZ:5008010001

BPZ:4852140001

Explosion-Hazard Area Products Point Detectors Ex-Series



Type Order No.

DT1102A-Ex



Heat detector collective 'Ex'

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

The base DB1101A must be ordered separately.

Operating voltage 16... 24 VDC Quiescent current max. 100 μ A Operating temperature -25... +70 °C Storage temperature -30... +75 °C Relative humidity \leq 95 %

Ex-classification II 2 G Ex ib IIC T4 (-25 °C \leq Ta \leq 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

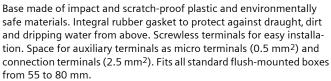
EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)

Protection category IP44
Data sheet 001469

DB1101A



Base for collective detector series



 $\begin{array}{lll} \mbox{Cable capacity} & 0.2... \ 2.5 \ \mbox{mm}^2 \\ \mbox{Dimensions (Ø x H)} & 115 \ \mbox{x 21 mm} \\ \mbox{Color} & \mbox{white, \simRAL 9010} \\ \end{array}$

Data sheet 001035

Further accessories DBZ1191 Base attachment for sur-

face mounting

DBZ1190-AA Micro terminal

 0.5 mm^2

DBZ1190-AB Connection terminal

2.5 mm²

Accessories

DBZ1191



Base attachment for surface mounting

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

Dimensions (Ø x H) 116 x 22 mm Color white, ~RAL 9010

Delivery unit 5 pieces

BPZ:4852270001

BPZ:4863650001

BPZ:4540830001

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

Туре			Order No.
DBZ1190-AA	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 Delivery unit	0.28 0.5 mm ² 50 pieces	
DBZ1190-AB	Connection terminal 2. As cross-connection in b shielding, for the connection nents. Can easily be inserted.	.5 mm², 3-pole bases for external alarm indicators (AI), cable ction of a power supply unit or other compo-	BPZ:4942340001
	Cable capacity Delivery unit	1 2.5 mm ² 50 pieces	

9-24

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) $135 \times 135 \times 77 \text{ mm}$ Operating temperature -35...+70 °CStorage temperature -40...+75 °CRelative humidity $\leq 95 \text{ %}$

Ex-classification II 2 G Ex ib IIC T4 (-35 °C \leq Ta \leq 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

Products to select from

Data sheet

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

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.

001744

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

DF11Ex_

BPZ:5166750001

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

Туре			Order No.
DFB1190	Base for infrared flame dete	ectors DF119x	BPZ:5165360001
	which provides the required in base contains screwless termins	The base comprises a robust, glass fiber-reinforced, plastic housing which provides the required isolated installation of the detector. The base contains screwless terminals, chokes to protect against EMI, a plug attachment for the detector, six M20 cable entry possibilities.	
	Cable capacity Dimensions (W x H x D) Color Accessories	0.2 1.5 mm² (AWG24 15) 135 x 135 x 45 mm white, ~RAL 9010 A5Q0004478 Screwed cable	
A5Q00004478	Screwed cable gland M20 x	gland M20	A5Q00004478
1500001110		M20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
StabexHF	Test lamp for flame detecto	rs 'Ex'	BPZ:4620910001
		out a performance check of intrinsically sion-hazard areas of zones 1 and 2.	
	Operating temperature	-20 +40 °C	
	Storage temperature Battery capacity	-20 +40 °C 2 x Alkali battery 1.5 V, single-cell UM1	
	Ex-classification	II 2 G Ex ib e IIC T4	
	Protection category Data sheet	IP65 AlgoRex, Synova, Sinteso -> 000252 Cerberus PRO -> A6V10203222	

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Explosion-Hazard Area Products Manual Call Points



Type Order No.

DM1103(Ex)__



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

For immediate manual actuation of an alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surface-and recess-mounted feed lines in easily accessible places. Indirect alarm actuation by pushing in the glass plate and pressing the push button. To replace the glass plate, open the housing door with the

key. The push button must be reset before closing the door again. The housing DMA1192-AA and the switching unit DMA1103D must be ordered separately.

Standard EN 54-11

Protection category IP54 (IP65 with protection seal and

screwed cable gland)

Operating temperature -25...+70 °C Dimensions (W x H x D) $134 \times 134 \times 43$ mm Data sheet A6V10236643

Accessories DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable

gland M20

A5Q00006735 Locking plug M20

(1 hole)

A5Q00010055 Locking plug M20

(2 holes)

Products to select from

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

DMA1192-AA



Housing red, with glass and key

Manual call point housing for the switching units DMA110xD.

Color red, ~RAL 3000

DMA1103D



Switching unit collective (double action)

The electronic unit is a double action device; just break the glass and press the button to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning.

Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion-hazard areas only.

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

DM1103(Ex)___

BPZ:5222870001

A5Q00004470

Explosion-Hazard Area Products Manual Call Points

Type Order No.

DM1104(Ex)__

Months Professional Control of C

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

For immediate manual actuation of an alarm. For indoor and outdoor application, equally suited for wet, humid and dusty areas. For surface-and recess-mounted feed lines in easily accessible places.

Direct alarm actuation by pushing in the glass plate. To replace the glass plate, open the housing door with the key, upon closing the door the button is reset.

The housing DMA1192-AA and the switching unit DMA1104D must be ordered separately.

Standard EN 54-11

Protection category IP54 (IP65 with protection seal and

screwed cable gland)

Operating temperature -25...+70 °C
Dimensions (W x H x D) $134 \times 134 \times 43 \text{ mm}$ Data sheet A6V10236643

Accessories DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable

gland M20

A5Q00006735 Locking plug M20

(1 hole)

A5Q00010055 Locking plug M20

(2 holes)

Products to select from

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

DMA1192-AA



Housing red, with glass and key

Manual call point housing for the switching units DMA110xD.

Color red, ~RAL 3000

DMA1104D



Switching unit collective (single action)

The electronic unit is a single action device by smashing in the glass plate to activate an alarm. For connection to collective/SynoLINE600 detection lines. An LED always indicates the status of the manual call point. The electronic unit is plugged into the housing during commissioning.

Attach the enclosed sticker 'avoid electrostatic charging' when the switching unit is used in explosion-hazard areas only.

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

DM1104(Ex)__

BPZ:5222870001

A5Q00005925

Special Applications Explosion-Hazard Area Products Manual Call Points



Manual Call Point	:s		
Туре			Order No.
	Accessories		
DMZ1197-AD	Protection seal		BPZ:5470680001
00 0 0 0	Protects the manual call point in The seal improves the manual ca	wet applications. Il point housing's protection category.	
	Delivery unit	5 pieces	
DMZ1197-AC	Protective cover		BPZ:5223550001
	Protects the manual call point fro tive cover can be easily fitted dire	om unintentional glass break. Protecectly in the housing cover.	
	Delivery unit	5 pieces	
A5Q00004478	Screwed cable gland M20 x 1.5		A5Q00004478
	The screwed cable gland is for M2 er protection category.	20 cable feed-through. It enables high-	
	Delivery unit	10 pieces	
A5Q00006735	Locking plug M20 x 1.5 (1 hole)		A5Q00006735
	For manual call point housings a manual call point housing. For applications in dry rooms.	nd surface-mounted feed lines in the	
	Color Delivery unit	red, ~RAL 3000 10 pieces	
A5Q00010055	Locking plug M20 x 1.5 (2 hole	A5Q00010055	
	For manual call point housings and surface-mounted feed lines in the manual call point housing. For applications in dry rooms.		
	Color Delivery unit	red, ~RAL 3000 10 pieces	

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Explosion-Hazard Area Products Alarm Indicators Ex-Series

Type Order No.

FDAI92-Ex



Alarm indicator - Surface for explosion-hazard areas

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

Screwless connection terminals.

The alarm indicator is suitable for wall mounting.

Operating voltage 1.5 VDC

Operating current max. 35 mA (continuous)

Operating temperature-25... +80 °CRelative humidity≤95 %Terminalsmax. 1.5 mm²Ex-classification'simple apparatus'

acc. to EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C) 85 x 85 x 28 mm

Dimensions (W x H x D) 85 x 85 x 28 mm Color white, ~RAL 9010

Protection category IP40

Data sheet A6V10276518
Accessories Al330 Adapter frame

AI330



Adapter frame for alarm indicator

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

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

FDAI93-Ex



Alarm indicator - Flush

Color

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.

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) 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)

S54370-F4-A1

BPZ:3169430001

S54370-F6-A1

Explosion-Hazard Area Products Alarm Indicators Ex-Series



Type

DCA1191

Housing (empty)

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

The screwed cable gland must be ordered separately.

Dimensions (W x H x D) $135 \times 135 \times 65 \text{ mm}$ Color white, ~RAL 9010

Protection category IP56

Accessories A5Q00004478 Screwed cable

gland M20

BPZ:2473130001 Washer BPZ:2473130001

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

Dimensions (Ø x D) 23 x 1 mm

A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004478

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

Delivery unit 10 pieces

DJZ1193 Alarm indicator housing incl. washer BPZ:5302950001

1 alarm indicator can be built into the housing.

For surface mounting in wet areas.

Dimensions (W x H x D) $87 \times 87 \times 64 \text{ mm}$ Color white, ~RAL 9010

Protection category IP65

MVH1 Mounting bracket BPZ:3496190001

hollow floors.

For mounting of the alarm indicator housing DJZ1193 and detectors in

Length 0.29... 0.42 m (pipe clamp 1/2")

Explosion-Hazard Area Products Alarm Device

Type Order No.

DB3

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

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

Operating voltage

12... 48 VDC

Alarm current max. 380 mA
Volume at 24 V and 1 m 101... 115 dB
Number of sounds 27

 $\begin{array}{lll} \mbox{Operating temperature} & -20... +55 \ ^{\circ}\mbox{C} \\ \mbox{Ex-classification} & \mbox{II 2 G Ex d IIC T5} \\ & \mbox{(-20 $^{\circ}\mbox{C}$ \leqTa}$ \leq55 $^{\circ}\mbox{C}) \\ \mbox{Terminals} & \mbox{6 x 2.5 mm}^2 \\ \end{array}$

Dimensions (Ø x D) 137 x 184 mm

Color red, anti-static, UV stable, glass rein-

forced polyester

Standard CENELEC, EN 50014, 18

Protection category IP66/67
Data sheet 009001

BPZ:5757970001

9-32

Special Equipment



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.

Test Equipment Detector Tester

Type Order No.

DX791



Detector exchanger

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.

Data sheet A6V10203222

Accessories FDUD491 Adapter for detector

exchanger

FDUM291 Telescope rod FDUM292 Telescope rod

Accessories

FDUD491



Adapter

Adapter to detector exchanger DX791.

Data sheet A6V10203222

RE6



Detector tester for smoke detectors

The detector tester (delivered with bellow DZZ1190) is placed over the detector and given a brief push to release the test gas and so simulate the presence of fire aerosols. The detector responds quickly and actuates an alarm. The test gas is free of halogenated chlorofluorocarbons (CFCs). It is not combustible.

The extension rod FDUM291/292 and the test gas can REF8, REF8-S must be ordered separately.

Data sheet AlgoRex, Synova -> 001164

Sinteso -> 007228

Cerberus PRO -> A6V10203222
Accessories FDUM291 Telescope rod
FDUM292 Telescope rod

Further accessories RG320 Bellow

REF8



Test gas can for smoke detectors

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 $^{\circ}$ C in dry or in humid environments.

Use only together with detector tester RE6.

Delivery unit 6 pieces

S54319-F6-A1

S54319-F18-A1

BPZ:3680300001

A5Q00011687

Test Equipment Detector Tester



A5Q00011688

BPZ:5166880001

Order No. Type

REF8-S

RG320



Test gas can for smoke detectors

REF8-S has been developed as environment-friendly test gas for the testing of smoke detectors. It fulfills severe environmental regulations. REF8-S can be used in the temperature range of -20... +40 °C in dry or in humid environments. REF8-S remains measurable longer than REF8, and is used for detectors having a longer signal evaluation time. Use only together with detector tester RE6.

Delivery unit 6 pieces



Bellow for RE6

The bellow is fitted to the RE6 to fit all SynoLINE300 point detectors in an ideal way.

BPZ:3680270001 RE6T Detector tester for heat detectors



This detector tester contains a hot air generator. For the performance check, the tester is pushed over the detector. The hot air released, heats the detector and so actuates an alarm.

Forbidden in electrical switching stations or areas where there is a danger of explosion!

The extension rod FDUM291/292 must be ordered separately.

220 VAC/50... 60 Hz, ~300 W Mains voltage

Operating temperature 0... +40 °C

Data sheet AlgoRex, Synova -> 001164

Sinteso -> 007228

Cerberus PRO -> A6V10203222 Accessories FDUM291 Telescope rod FDUM292 Telescope rod



RE7T

The detector tester contains a hot air generator and is battery-powered. The detector tester will automatically start testing when infrared beam

Forbidden in electrical switching stations or areas where there is a danger of explosion!

The adapter RE7T-A and the extension rod FDUM291/292 must be ordered separately.

Relative humidity 5... +45 °C Operating temperature Storage temperature -10... +50 °C Data sheet

Accessories RE7T-A Solo719 Adapter for

FDUM29x

FDUM291 Telescope rod FDUM292 Telescope rod

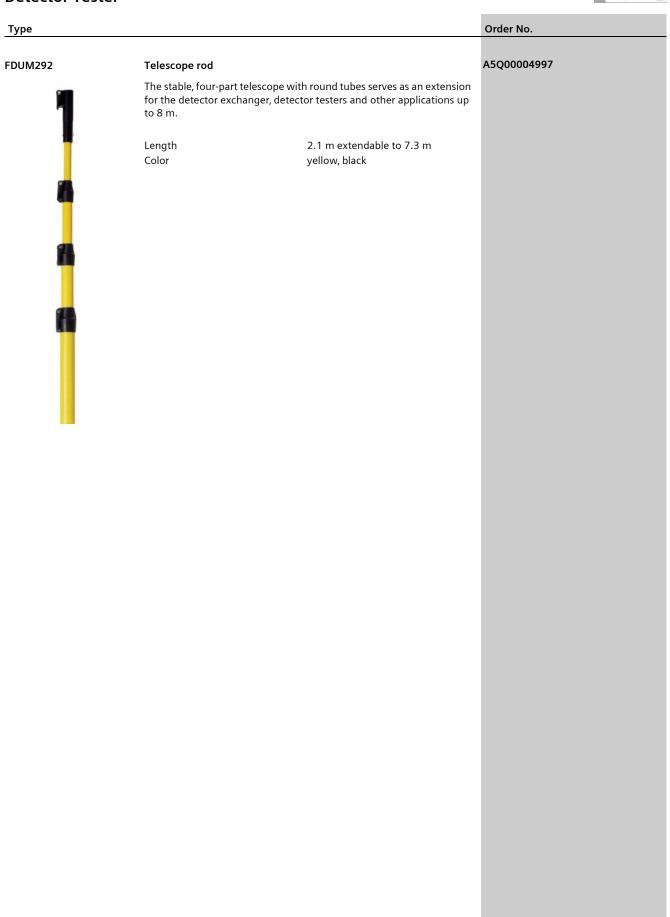
S54370-S3-A1 Solo461 Heat detector tester kit ≤95 % A6V10252901

Special Equipment Test Equipment Detector Tester

Туре			Order No.
	Accessories		
RE7T-A	Solo719 Adapter for FDUM29x		S54370-N4-A1
_		E7T to the telescope rods FDUM29x.	
		, A6V10252901	
FDUM291	Telescope rod		A5Q00004996
4	The three-part telescope with tri-ov the detector exchanger, detector te 5 m.	al tubes serves as an extension for sters and other applications up to	
	•	1.6 m extendable to 4.2 m yellow, black	

Test Equipment Detector Tester





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Test Equipment Detector Tester for Special Detectors

Order No. Type

Test lamp for flame detectors

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

The battery FA2003-A1 must be ordered separately.

-20... +45 °C Operating temperature -20... +45 °C Storage temperature **Battery capacity** 1 x 12 V / 7 Ah

Data sheet AlgoRex, Synova, Sinteso -> 000252

Cerberus PRO -> A6V10203222

StabexHF

LE3

Test lamp for flame detectors 'Ex'

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.

-20... +40 °C Operating temperature -20... +40 °C Storage temperature

Battery capacity 2 x Alkali battery 1.5 V, single-cell

Ex-classification II 2 G Ex ib e IIC T4

Protection category IP65

Data sheet AlgoRex, Synova, Sinteso -> 000252

Cerberus PRO -> A6V10203222

FDLU291

Adjustment device set for linear smoke detector

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.



BPZ:4620910001

BPZ:3669510001



For performance check of linear smoke detector. In compliance with the type of detector to be tested, the alarm test filter is inserted in the detector tester.

The detector tester is then held in front of the optical parts of the detector (i.e. into the infrared ray). The detector reacts after a few seconds. Alarm test filter contained in FDLU291 or TF04 must be ordered separately.

Data sheet Synova, AlgoRex -> 001164

Sinteso -> 007228

Cerberus PRO -> A6V10203222

Accessories TF04 Alarm test filter

FDUM291 Telescope rod FDUM292 Telescope rod

RE10

Detector tester for linear smoke detectors



BPZ:3685190001

10-6

Special Equipment Test Equipment Detector Tester for Special Detectors



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

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Test Equipment Line Tester

Type Order No.

FDUL221

Line tester

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

Power supply via battery or mains adapter.

Line tester incl. line connection set FDUL221-A and power supply set FDUL221-B.

Operating voltage min. 10, max. 30 VDC

Battery 2 x 9 V

Mains adapter 240 VAC / 24 VDC,

624 mA

Detection line voltage 32 VDC -> FDnet (FS20, AlgoRex)

28 VDC -> FDnet (SIGMASYS) 32 VDC -> C-NET (FS720)

Current consumption depending on number of devices

and display illumination

Operating temperature -25... +40 °C

Storage temperature -30... +75 °C

(-25... +60 °C with battery) Relative humidity \leq 95 % (no condensation)

Data sheet Sinteso -> 007228

Cerberus PRO -> A6V10203222

A5Q00004142



Lithium brownstone battery 9 V / 1 Ah

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

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

A5Q00004397

A5Q00004142

Interface **Adapter for C-NET Devices**



A5Q00020131

Order No. Type

FDUZ221



MCL USB adapter

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

The MC-Link cable, the USB cable (1.8 m) and a CD with USB driver software are included.

Power supply via USB Interface USB 2.0/1.1 MC-Link

Operating temperature -10... +55 °C Storage temperature -20... +60 °C Relative humidity ≤95 %

Dimensions (W x H x D) 100 x 30 x 54 mm

Protection category IP30

Data sheet Sinteso -> A6V10084591

Cerberus PRO -> A6V10203222

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

Reliable detection thanks to special $ASAtechnology^{TM}$

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.



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

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

Spare Parts

Fire Control Panels FC72x and Operating Terminals FT724, Printers



Order No. Type S54400-B28-A1 FCA2008-A1 Card cage (5 slots) Enables the use of max. 5 module bus cards in any combination. The card cage is mounted in the fire control panel FC2060/FC2080/FC726. FCM7204-Z3 S54400-F85-A1 Operating unit Complete operating unit (support base, keypad, PMI & main board, CPU module) without accessories. Use as a spare part. S54400-F82-A1 FCM7205-Y3 Operating add-on (1xLED-ind.) To update 24 LED display groups, with one red and one yellow LED each. Can be inserted in all empty housings. Inclusive cables and screws for installation. S54400-F92-A1 FCM7206-H3 Operating unit (EVAC) Complete operating unit (support base, keypad, PMI & main board, CPU module) without accessories. Use as spare part. SV 24V-150W V24230-Z6-A4 Power supply (150 W) Power supply (150 W) without accessories. Use as spare part.



Fire Control Panels FC72x and Operating Terminals FT724, Printers

ap (Cerberus) ith Cerberus label. pare part only. ap (without print) ithout print. pare part only.			100-B77-A1
ithout print.		S544	IOO-B74-A1
ng add-on ng add-on (complete bas pare part only.	se) without accessories		ł00-F76-A1
ng add-on (2xLED-ind.) te 48 LED display groups nserted in all empty hou e cables and screws for in	us, with one red and one usings. installation.	e yellow LED	l00-F75-A1
te 96 LED display groups	us, with one red and one usings. installation.	e yellow LED	I00-F88-A1
r	cables and screws for ons (W x H x D) ong add-on (4xLED-ind. te 96 LED display group onserted in all empty hor	cables and screws for installation. ons (W x H x D) 427 x 200 x 25 mm ong add-on (4xLED-ind.) se 96 LED display groups, with one red and on nserted in all empty housings. cables and screws for installation.	cables and screws for installation. ons (W x H x D) 427 x 200 x 25 mm ong add-on (4xLED-ind.) se 96 LED display groups, with one red and one yellow LED nserted in all empty housings. cables and screws for installation.

Spare Parts

Fire Control Panels FC72x and Operating Terminals FT724, Printers



Туре			Order No.
A5Q00017619	Thermo printer rolls for Custon	n Plus-S-0004	A5Q00017619
	Replacement printer rolls (10 roll Use as spare part.	ls) for event printer FTO2001-A1.	
	Delivery unit	10 pieces	
A5Q00023963	Typewriter ribbon		A5Q00023963
	Genuine Fujitsu CA02374-C104 l designed for the Fujitsu DL3750-	black fabric impact printer ribbon + matrix printer.	
	Color	black	

Spare Parts Conventional Fire Control Panels FC10

Туре		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 $3.9 \text{ k}\Omega$ 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 2.90×1.78 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	FCE 1004-F EOL element EOL resistor 3.9 k Ω (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

Spare Parts Conventional Fire Control Panels FC10



Туре		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

Туре		Order No.
XCM1002	Main board Main board for XC10, as spare part	S54390-A4-A1
FCP1004-E	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 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

Spare Parts

Manual Call Points



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

Spare Parts Manual Call Points

ype			Order No.
OMK295	Spare key		A5Q00013448
1	Key for manual call point: FDM1101A. Use as spare part.	s FDM225, FDM226, FDM1101 and	
	Delivery unit	10 pieces	

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



oe .			Order No.
M291	Mounting feet for in-/ou		A5Q00003855
5 - 2 V	Installation in range of the top U-rail TS35. Use as spare part.	e in-/output modules with mounting feet onto	
	Delivery unit	25 pieces	

Spare Parts Test Equipment

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

Spare Parts Test Equipment



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

Spare Parts Test Equipment

Туре			Order No.
RE7T-B	Solo760 Battery for RE7T		S54370-N5-A1
8	Use as spare part for RE7T heat dete	ector tester.	
	Data sheet A	A6V10252901	
RE7T-C	Solo725 Charger for RE7T		S54370-N6-A1
5	Use as spare part for charging of ba tor tester.	ttery baton to the RE7T heat detec-	
	Data sheet A	A6V10252901	
RG320	Bellow for RE6		BPZ:5166880001
	The bellow is fitted to the RE6 to fit an ideal way.	all SynoLINE300 point detectors in	
DZZ1190	Bellow for RE6		BPZ:4478380001
	The bellow is fitted to the RE6 to fit a detectors in an ideal way.	all SynoLINE600 and AlgoRex point	

Repair Parts

Fire Control Panels FC72xx and Operating Terminals FT724xx Operating Units and Add-on



Туре		Order No.
FCM7201-Z3	Operating unit (IP2) Complete operating unit (support base, keypad, PMI & main board, CPU module) without accessories. Use as repair part only.	A5Q00018923-R
FCM7202-Y3	Operating unit (+LED-ind.) - (IP2) Complete operating unit (support base, keypad, PMI & main board, CPU module) without accessories. Use as repair part only.	A5Q00018925-R
FCM7203-H3	Operating unit (+EVAC term.) - (IP2) Complete operating unit (support base, keypad, PMI & main board, CPU module) without accessories. Use as repair part only.	A5Q00018933-R

Repair Parts Periphery Boards, Expansion Modules and Power Supply

Туре		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

Repair Parts

Periphery Boards, Expansion Modules and Power Supply

Type Order No.





Network module (SAFEDLINK)

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

A5Q00012851-R

Repair Parts Floor Repeater Panels

FT2010-A1 Floor repeater terminal Front part of the floor repeater terminal (cover cap, stick-on labels, keypad) without accessories. Use as repair part only.	Туре		Order No.
	FT2010-A1	Front part of the floor repeater terminal (cover cap, stick-on labels, keypad) without accessories.	A5Q00014104-R
Fize repeater display Front part of the floor repeater display (cover cap, stick-on label, key-pad) without accessories. Use as repair part only. ASQ00017706-R	FT2011-A1	Front part of the floor repeater display (cover cap, stick-on label, keypad) without accessories.	A5Q00017706-R

13-4

Danger Management System





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

MM8000 Management Station

Order No. Type

MM8000xxx



MM8000 danger management station

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.

MM8000xxx

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

Functionality

Complete overview of the actual state of technical installations in a building at any time.

Homogeneous and intuitive operation of the different subsystems. Comprehensive guidance and support of the operator in case of an

Logging of all activities and powerful reporting possibilities.

Advantages

Safety: User guidance in case of an emergency guarantees that the right measures are taken.

Reliability: Based on the concept of autonomous subsystems and distributed control; possibility of redundant configurations.

Flexibility: Can be built and configured to fit the requirements of the customer.

Openness: OPC, BACnet and Modbus (via NK) interfaces for subsystem integration.

Scalability: MM8000 will easily grow to support more subsystems, disciplines and stations.

Features

Comfortable navigation through the system via graphical maps or

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.

The MM8000 SW runs on a System requirements

Microsoft Windows PC.

Ordering information Contact your local BT sales support

representative for further informa-

tion.

Data sheet A6V10074451

object trees. Advanced graphics including AutoCAD. Automatic and/or manual alarm dispatching via e-mail, SMS and

System Overview





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

Customer network Remote access with Cerberus-Remote

Danger management

Fire control panel FC724-ZE

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 transmission than wiring Redundant connection possible due to two Ethernet switches Increased EMC protection thanks to fiberoptic cabling Easily programmable, EN 54-conform systemwide 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).

- further more a look into the separate documentation a look into the separate documentation a look into the separate documentation and look at a lo

Cluster (C-WEB/SAFEDLINK)

- Redundant transmission trans, 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

- ey data

 Max. number of networkable panels:

 Max. number of networkable panels

 if connected to a danger management

 system:



Backbone (C-WEB/LAN)

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

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

Fire control panel FC724-ZA

- 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

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 FDCI0223, LaserFOCUS,
 extinguishing control unit XC10)
 (ey 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

SIEMENS

Network components



Art. no.: S<u>5</u>4400-F95-A1



Cluster



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



Housing (Eco) FH7201-Z3



Housing (Standard) FH7202-Z3

Housing (Comfort) FH7203-Z3

19" mounting kit FHA2016-A1

Art. no.: <u>A5Q00</u>020179



Housing (Large Extension) FH7204-Z3

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

Art. no.: S54400-B89-A1



Flush mounting bezel two HU FHA2015-A1

A5Q00024621

Expansion options



Loop extension (C-NET) FCI2003-A1



RS232 module (isolated) FCA2001-A1



License key L2 FCA2013-A1

License key L1 FCA2012-A1

RS485 module (isolated) FCA2002-A1

Art. no.: A5Q00009923





Module bus cards for FC726





(programmable) FCI2008-A1





Fire control panel FC722-ZZ

Fire control panel FC722-YZ



Repeater (SAFEDLINK) FN2002-A1

S24236-B2502-A1

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

Art. no.: S54400-C32-A3



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

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



11 10

Operating add-ons



Operating add-on (2xLED-ind.) FCM7211-Y3



Operating add-on (4xLED-ind.) FCM7212-Y3



Operating add-or (1xLED-ind.) FCM7205-Y3

Art. no.. \$54400-F82-A1



Key switch Kaba FTO2005-C1



Key switch Nordic FTO2006-B1



Event printer FTO2001-A1





Event printer DL3750+

Power supply



Power supply kit (70 W) FP2003-A1



Power supply kit (150 W) FP2004-A1



Art. no.: A5Q00020825

Legend for the interfaces and networks:





Serial interfaces
One optional RS232 and/or one RS485 interface
(also freely combinable) per panel or fire terming
Backbone (C-WEB/LAN)
Cluster (C-WEB/SAFEDLINK)
Network to connect clusters
Network to connect panels
Network to connect Cerberus PRO devices



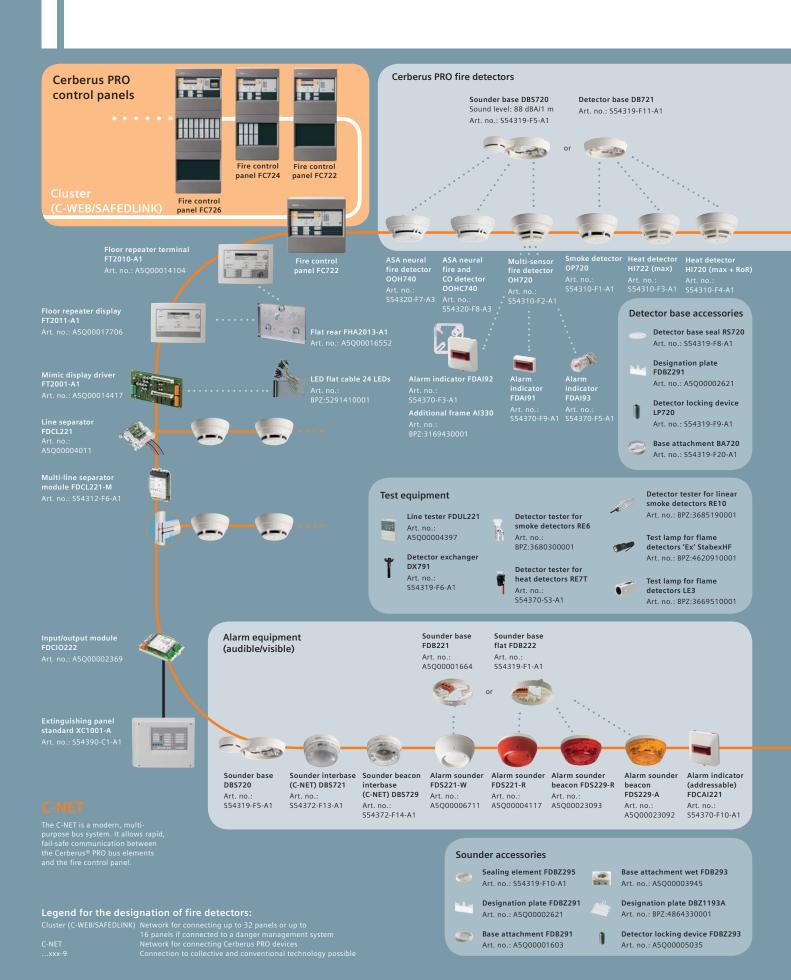
Fire control panel



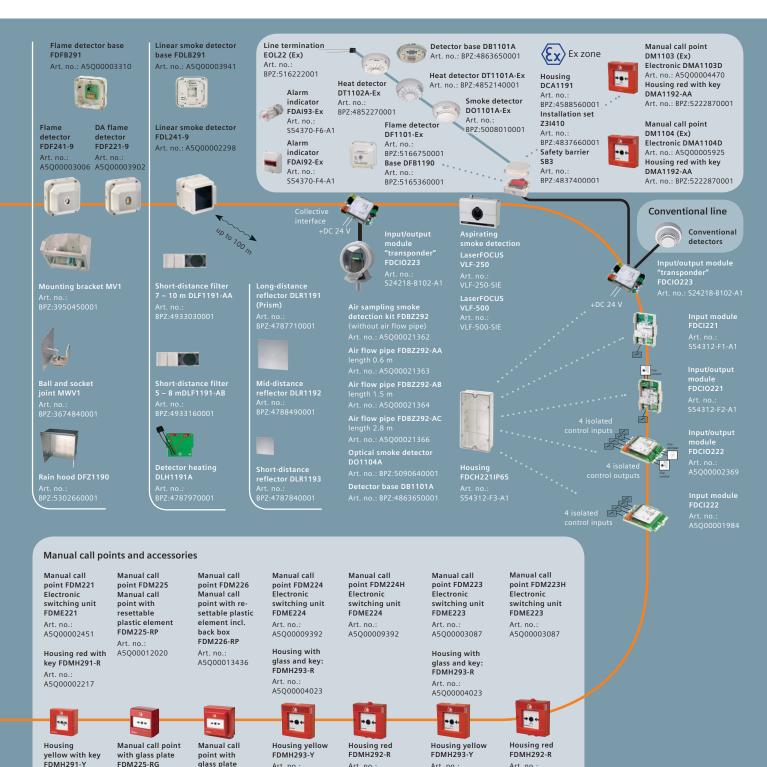


Fire control panel

Cerberus PRO Planning Tool – C-NET devices



SIEMENS



Art. no.: A5000005525

Accessories*

Art. no.:

Art. no.:

Art. no.:

A5000004908

Housing green FDMH293-G

A5000004911

Housing blue

A5Q00004909

FDMH293-0

Art. no.: S54311-F2-A1

Accessories³

Housing orange

FDMH293-B

Art. no.:

A5000005525

Accessories*

* See respective

catalog page

with glass plate

FDM225-RG

A5Q00013434

Accessories*

Art. no.

Art. no.

A5Q00004979

Housing green

with key FDMH291-G

A5Q00004981

Housing blue

Art. no.: A5Q00004980

Accessories*

with key FDMH291-B

Art. no.:

point with glass plate incl. back box

FDM226-RG

Art. no.: A5Q00013435

Accessories*

Art. no.:

Art. no.:

Art. no. A5Q00004909

A5000004908

Housing green FDMH293-G

A5000004911

Housing blue

Housing orange

FDMH293-0

Art. no.: S54311-F2-A1

Accessories*

FDMH293-B



Туре	Description	Order No.	Page
A5Q00004142	Lithium brownstone battery 9 V / 1 Ah	A5Q00004142	10-8
A5Q00004478	Screwed cable gland M20 x 1.5	A5Q00004478	2-21, 5-
			11, 5-
			14, 5- 18, 5-
			20, 5-
			24, 5-
			26, 5-
			36, 5-
			47, 7-8, 7-15, 7-
			19, 7-
			22, 7-
			26, 7-
			28, 7-
			34, 9-7, 9-18, 9-
			20–21,
			9-26, 9-
			29, 9-31
A5Q00004479	Back nut M20	A5Q00004479	2-21, 5- 12, 5-
			14, 5-
			47, 7-
			19, 7-
			22, 7-
45000006735	L L' L M20 45 (41 L)	45000006735	34, 9-18
A5Q00006735	Locking plug M20 x 1.5 (1 hole)	A5Q00006735	5-18, 5- 24, 7-
			26, 9-29
A5Q00008131	V-plug PA M20 x 1.5	A5Q00008131	5-20, 5-
			26
A5Q00009786	Adapter with lever, screw and nut incl. attachment and bushing screw	A5Q00009786	12-10
A5Q00009787	Lever with screw and nut	A5Q00009787	12-10
A5Q00009788	Small flap with screw and nut	A5Q00009788	12-10
A5Q00009789	Large flap with screw and nut	A5Q00009789	12-10
A5Q00010055	Locking plug M20 x 1.5 (2 holes)	A5Q00010055	5-19, 5-
			25, 7- 26, 9-29
A5Q00017619	Thermo printer rolls for Custom Plus-S-0004	A5Q00017619	12-3
A5Q00023963	Typewriter ribbon	A5Q00023963	12-3
AGN24.6	Alarm device	BPZ:5371170001	8-1–2
AGT24.1	Alarm device	BPZ:5371040001	8-1
Al330	Adapter frame for alarm indicator	BPZ:3169430001	6-2, 7-8,
			7-27, 7- 36, 9-30
Al91C	Alarm indicator - Door frame	S54370-F7-A1	7-36
AI92C	Alarm indicator - Surface	S54370-F8-A1	7-36
ALB24.1OR	Flashing signal lamp 'orange'	BPZ:5154140001	8-2
ALB24.1R	Flashing signal lamp 'red'	BPZ:5154270001	8-2
BA720	Base attachment	S54319-F20-A1	5-9, 7-6
BP720	Blanking plate	S54372-B12-A1	5-29
BPZ:2473130001	Washer	BPZ:2473130001	7-8, 7-
			28, 9-31
BPZ:3048160001	Insulating cap for alarm indicators	BPZ:3048160001	7-8, 7- 28, 9-31
BPZ:3679630001	Halogen lamp 12 V / 50 W	BPZ:3679630001	12-11
	J 1 ··		

Туре	Description	Order No.	Page
DB110	Detector base DB110 (Parameter set 1)	S54372-F5-A1	7-4, 7-
			10
DB1101A	Base for collective detector series	BPZ:4863650001	7-14, 9- 11, 9-23
DB110D	Detector base DB110D (Parameter set 1)	S54372-F6-A1	7-11
DB110B	Detector base DB110B (Farameter set 2)	S54372-F7-A1	7-11
DB110RD	Detector base DB110RD (Parameter set 2)	S54372-F8-A1	7-11
DB3	Alarm device for explosion-hazard areas of zones 1 and 2	BPZ:5757970001	9-32
DB721	Detector base with loop contact	S54319-F11-A1	5-7, 5-
			28
DB721D	Detector base	S54319-F15-A1	7-5
DB722	Detector base	S54319-F19-A1	5-7
DBC1191A-AA	Relay base	BPZ:5017870001	7-16
DBS720	Sounder base	S54319-F5-A1	5-8, 5-
			37
DBS721	Sounder interbase (C-NET)	S54372-F13-A1	5-27
DBS729	Sounder beacon interbase (C-NET)	S54372-F14-A1	5-28
DBZ1190	Locking device	BPZ:4585260001	7-17
DBZ1190-AA	Micro terminal 0.5 mm², 4-pole	BPZ:4677080001	5-9, 5-
			29, 5- 35, 5-
			38, 7-6,
			7-12, 7-
			16, 9-
			20–21, 9-24
DBZ1190-AB	Connection terminal 2.5 mm ² , 3-pole	BPZ:4942340001	5-9, 5-
DD21170710	connection terminal 2.5 mm , 5 pole	B12.15 125 1000 1	14, 5-
			30, 5-
			35, 5-
			38, 5- 47, 7-6,
			7-12, 7-
			17, 7-
			19, 7-
			31, 7-
			34, 9- 13, 9-
			18, 9-24
DBZ1190A-AC	Detector heating	BPZ:5167850001	7-17
DBZ1191	Base attachment for surface mounting	BPZ:4540830001	7-14, 9-
			23
DBZ1191A-AA	Base attachment flat for surface mounting	BPZ:5011270001	7-14
DBZ1192	Base attachment for humid environment	BPZ:4588140001	7-15
DBZ1192-AA	Base attachment for wet environment	BPZ:5355590001	7-15
DBZ1193A	Detector designation plate	BPZ:4864330001	5-36, 7-
DD71104	Durch and a second	DD7.4677110001	17
DBZ1194	Protective cage	BPZ:4677110001	5-36, 7- 15
DBZ1195A	Acoustic base	BPZ:4940140001	7-16
DC1192-I	Input/output module for galvanic isolation	DC1192-I	9-19
DCA1191	Housing (empty)	BPZ:4588560001	7-8, 7-
	3 \ 1 \ 7 \		28, 9-
			19, 9-
			21, 9-31
DCA1192A	Electronic unit for DC1192	BPZ:5081200001	9-19

Туре	Description	Order No.	Page
DCB1192A	Terminal base for DC1192	BPZ:5084500001	9-19
DF1101-Ex	Infrared flame detector unit collective 'Ex'	BPZ:5166750001	9-25
DF11Ex	Infrared flame detector collective 'Ex'	DF11Ex	9-25
DFB1190	Base for infrared flame detectors DF119x	BPZ:5165360001	9-25– 26
DFZ1190	Rain hood	BPZ:5302660001	9-3
DJZ1193	Alarm indicator housing incl. washer	BPZ:5302950001	7-8, 7- 28, 9-31
DL3750+	Matrix printer external	A5Q00023962	1-10, 2- 31, 2-38
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