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*Ingenuity for life*



## Cerberus PRO product catalog

Fire safety products and accessories

[siemens.com/cerberus](http://siemens.com/cerberus)



**SIEMENS**

*Ingenuity for life*

## 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 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 for small to very large applications. So you can be sure to meet your application needs with confidence.

[siemens.com/cerberus](https://www.siemens.com/cerberus)

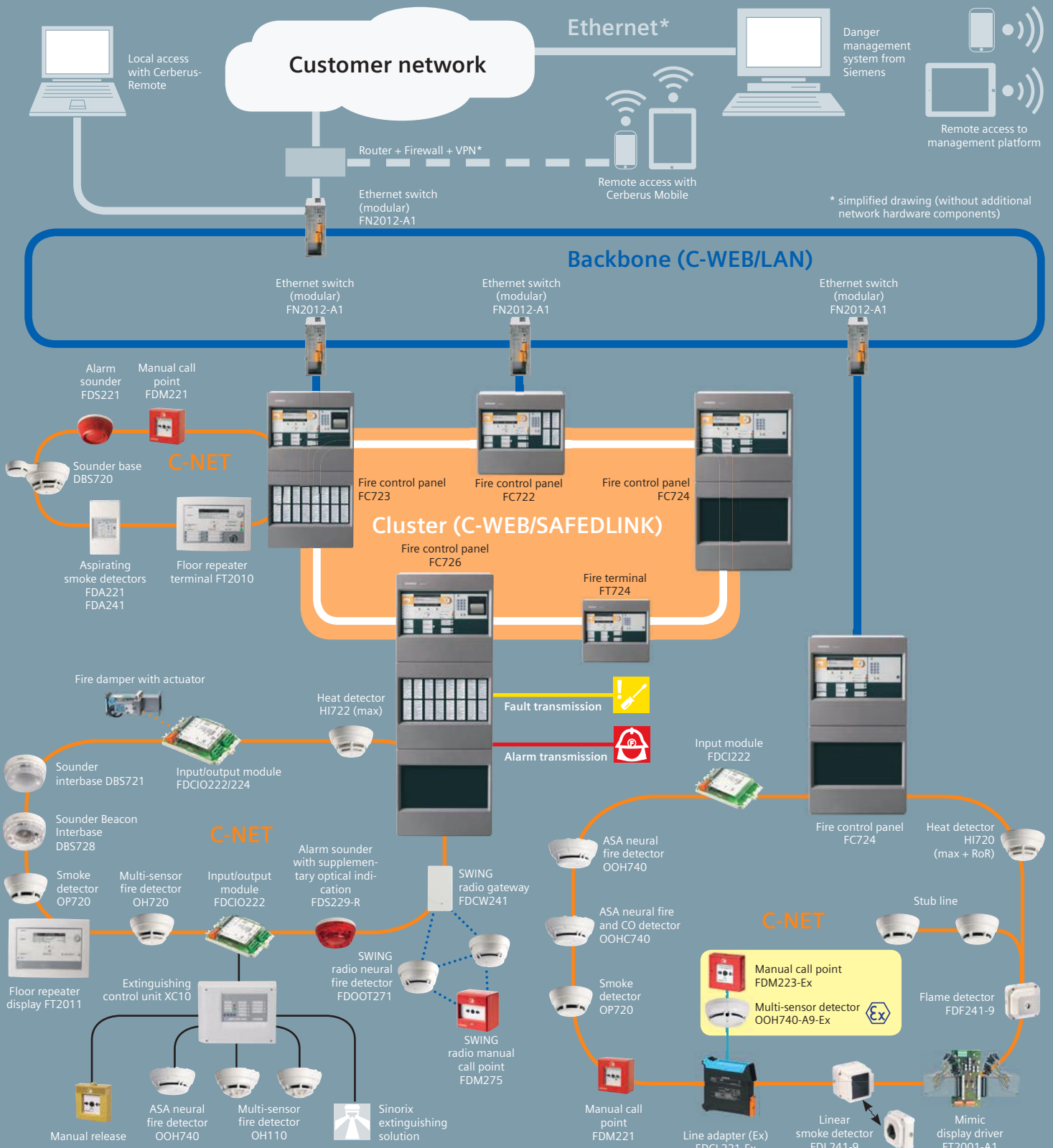
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# Cerberus PRO – enjoy protecting

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



# Compatibility chart

Addressable devices									
	Optical detector	Multi-sensor detector	ASA neural fire detector	ASA neural fire and CO detector	Heat detectors	Manual call points			
	OP720	OH720	OOH740	OOHC740	HI720/ HI722 static and rate of rise /static	FDM221	FDM225/FDM226/FDM231	FDM224/FDM224H	FDM243 H
<b>Conventional fire control panels</b>									
FC120 (2 – 12 zones)			■*						
<b>Standalone addressable fire control panel</b>									
FC361 (1 loop)	■	■	■	■	■	■	■	■	■
FC721 (1 loop)	■	■	■	■	■	■	■	■	■
<b>Networkable addressable fire control panels</b>									
FC722 (2 loops)	■	■	■	■	■	■	■	■	■
FC724 (4 loops)	■	■	■	■	■	■	■	■	■
FC723 (modular, 2 loops)	■	■	■	■	■	■	■	■	■
FC726 (modular, 4 loops)	■	■	■	■	■	■	■	■	■
<b>Conventional extinguishing control panel</b>									
XC10			■*						

■ Compatible

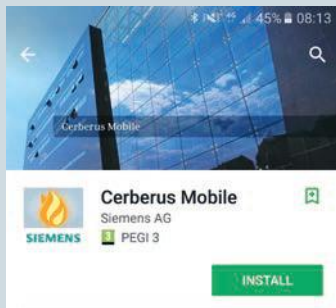
■ Compatible with an interface

\* With 3 selectable parameter sets

	Conventional and collective devices						Special applications						
	Optical detector	Multi-sensor detector	Heat detectors		Manual call points		Special devices						
FDM223/FDM223H	OP110	OH110	HI110 rate of rise and maximum	HI112 maximum	FDM1101A/FDM1101	DM1103 (IP65)/DM1104 (IP65)	FDCIO223 Transponder FT2001-A1 Mini Display Driver	FDF241-9 Infrared flame detector, three channels	FDL241-9 Linear smoke detector	FDA221/FDA241 Aspirating smoke detectors	FDCW241 radio gateway, FDOOT271 radio fire detector, FDM273 radio manual call point	Ex solution conventional	Ex solution addressable
	■	■	■	■	■	■		■	■	■		(■)	
■	(■)	(■)	(■)	(■)	(■)	(■)		■	■	(■)		(■)	
■	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	■	(■)	■
■	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	■	(■)	■
■	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	■	(■)	■
■	(■)	(■)	(■)	(■)	(■)	(■)	■	■	■	■	■	(■)	■
	■	■	■	■	■	■		■	■	■		(■)	

# Apps for customers

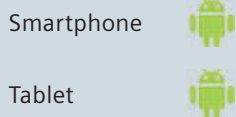
The following apps<sup>1</sup> enable customers to monitor and control their danger management stations from Siemens or Cerberus™ PRO fire protection system remotely. All customer apps are available at the Google Play™ Store. The Cerberus DMS Mobile app and the MM8000 Alarms app are also available at the Apple® App Store<sup>SM</sup>.



## Cerberus Mobile

With Cerberus Mobile, customers can access their Cerberus PRO fire protection system using a mobile device. The app offers the same full view, full control and full commands as the fire control terminal. It provides real-time information and enables mobile intervention management. Cerberus Mobile is ideal for any industry and any building size.

### Available for



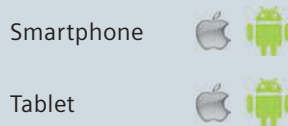
## Cerberus DMS Mobile

Cerberus DMS app lets an operator view and handle the alarms and objects of the integrated danger management station Cerberus DMS from Siemens.

### Available features:

- View and control the alarms and systems objects
- Alarm notifications with filters by category
- Sharing of alarm information via SMS and e-mails

### Available for



## MM8000 Alarms

MM8000 Alarms allows customers to directly access their MM8000 danger management station from anywhere. The user can also access all connected fire and intrusion detection, access control, video surveillance and evacuation systems. The app is ideal for any industry and large-sized buildings.

### Available for



## Benefits at a glance:

- Anytime system access from anywhere
- Password protection
- Immediate alarm notifications
- Faster response time
- Increased life safety

<sup>1</sup> For details on hardware and engineering requirements, please see the relevant product page.

Apple® and Apple® App Store<sup>SM</sup> are a trademark of Apple Inc., registered in the U.S. and other countries

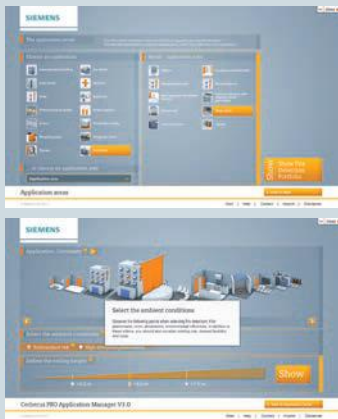
Android is a registered trademark of Google Inc.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries



# Apps for sales support

The following apps were developed to support Siemens Solution Partners with additional in-depth information. These apps are available in the Solution Partner Extranet.



## Cerberus Application Manager (CAM)

CAM provides a concise overview of the entire Cerberus PRO detector portfolio. The interactive app supports you in finding the ideal detector for a specific application area and provides information on parameter sets as well as on further marketing material.

### Available for

Tablet



Desktop



## ASAtechnology™

The interactive app introduces **ASAtechnology** from A to Z. It explains how the unique technology works and provides in-depth information on signal development, detection and processing.

### Available for

Tablet



Desktop



## FireLab

Besides giving a general introduction to fire development and fire detection, the FireLab app focuses in particular on fire tests performed at Siemens, own FireLab using Cerberus PRO detectors. The test results provide information on the performance of each detector under particular environmental conditions.

### Available for

Tablet



Desktop



## Benefits at a glance:

- Concise information on detectors and technology
- Essential information to take along
- Having proof at hand why a particular detector is ideal for a specific application
- Information can be shared with customers

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Android is a registered trademark of Google Inc.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries



# 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 **ASAt**technology™, Cerberus PRO provides detectors with excellent detection reliability and protection against false alarms – even in highly demanding environments. The highlight: select-able 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 everything from stand-alone to networkable control panels.

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

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

## Relying on experience

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

## Highlights

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

## Conventional fire control panels



## Cerberus FIT conventional system

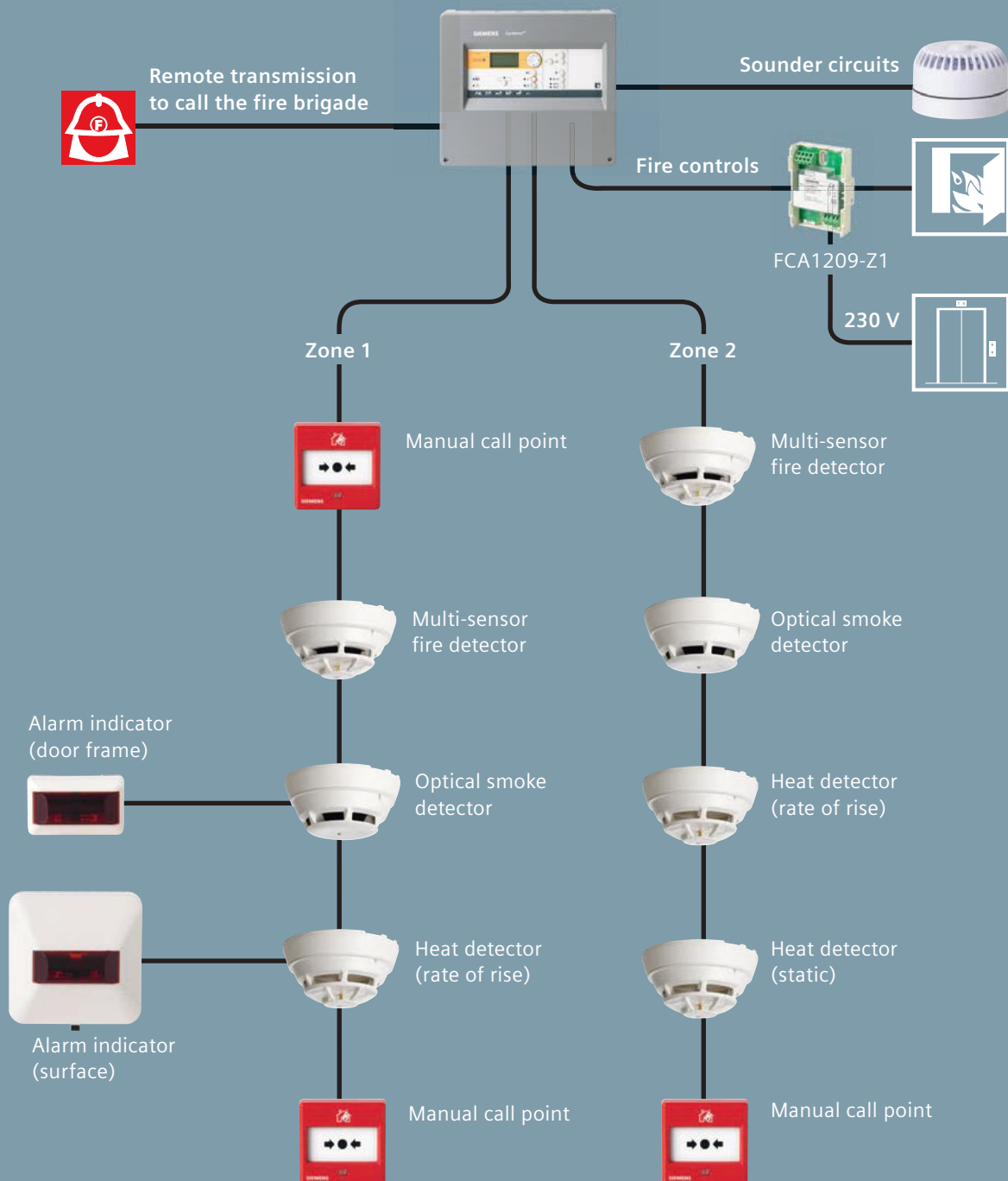
Combining intelligent signal processing and easy installation for reliable fire detection and alarming. Fire protection is all about protecting people and assets as well as securing business processes and continuity. With Cerberus™ FIT, we offer reliable and cost-efficient fire protection for various applications.

- 2 – 12 zones for up to 32 devices per zone
- Manned/unmanned operation
- Differentiation of manual and automatic alarm origin in the same zone without separate wiring
- Code or key switch user access
- Clear, comprehensive indication and control for easy customer operation
- Country-specific programmable functions



# Cerberus FIT conventional system overview

Cerberus FIT provides reliable detection and intelligent signal processing. FC120 allows different alarm processing per zone which results in less installation effort. The system is easy to plan and install. This brief overview shows the most important system components.





## Conventional fire control panels

### 2-zones panels

### FC120 series

#### Fire control panel, 2 zones

#### FC121-ZA

The FC121-ZA is a conventional fire control panel with an integrated operating unit for 2 zones. The control unit has been designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list. The FC121-ZA is ideally suited for small applications, e.g. in schools, shops, hotels. Expansions and accessories must be ordered separately.



Data sheet	A6V10371354
Mains voltage	AC 196...253 V
Operating voltage	DC 21...28.6 V
Power supply	25 W
Operating current	Max. 0.9 A
Emergency power supply	Up to 72 Ah
Battery capacity	2x 12 V / 4 or 7 Ah
Operating temperature	-5...+40 °C
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	2
Plug-in position	1
Zones	2
Conventional devices per zone	Max. 32
Relative humidity	≤95 % rel. (no condensation)
Storage temperature	-20...+60 °C
Protection category	IP30
Color housing/cover	~RAL 000 50 00, Gray
Dimensions (W x H x D)	310 x 360 x 85 mm
Expansion	FCA1203-Z1 Output card 2M 2R FTO1201-H1 EVAC module (NL 2&4 zones)
Accessories	FCA1206-Z1 Key switch set (Nordic SE) FCA1209-Z1 Output module (230 V) FDCH221 Housing for input/output modules AX1213 Battery (12 V, 4.5 Ah) FA2003-A1 Battery (12 V, 7 Ah, VDS)

Order No.

Product No.

S54400-C131-A1

FC121-ZA

## Conventional fire control panels

### 2-zones panels

#### Expansion FC121-ZA

##### FCA1203-Z1



##### Output card 2M 2R

The FCA1203-Z1 is an output card and provides 2 supervised outputs and 2 relay outputs. The outputs are freely programmable to the events, e.g. fire dialer, fault dialer, fire control, sounder control.

Data sheet	A6V10371354
Supervised output	2x 24 V / 1 A
Relay output (NOC)	2x 30 V / 1 A

Order No.

Product No.

S54400-B142-A1

**FCA1203-Z1**

##### FTO1201-H1



##### EVAC module (NL 2&4 zones)

Additional evacuation function according to NEN 2575. The module provides one EVAC zone for NL. Cables and screws for installation are included. Labelling: Dutch only.

Data sheet	A6V10371354
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Order No.

Product No.

S54400-B120-A1

**FTO1201-H1**

## Conventional fire control panels 2-zones panels Accessories FC121-ZA

### Key switch set (Nordic SE)

FCA1206-Z1

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).

Data sheet

A6V10371354



Order No.

Product No.

S54400-S125-A1

FCA1206-Z1

### Output module (230 V)

FCA1209-Z1

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.

Data sheet

A6V10371354

Operating voltage

DC 14.5...30 V

Operating current

Max. 0.1 mA

Communication protocol

Monitored output line

Protection category

IP30

Operating temperature

-25...+65 °C

Storage temperature

-25...+65 °C

Relay output (NO)

AC 230 V, max. 5 A /

DC 30 V, max. 5 A

Relative humidity

≤95 % rel.

Color

Housing -> ~RAL 9010, Pure white

Color housing/cover

~RAL 9010, Pure white / transparent matt

Dimensions (W x H x D)

95 x 23 x 71 mm

Standard

EN 54-18

Accessories

FDCH221 Housing for input/output modules

A5Q00004478 Screwed cable gland M20

A5Q00004479 Back nut M20



Order No.

Product No.

S54400-B124-A1

FCA1209-Z1

### Housing for input/output modules

FDCH221

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet

A6V10202196

Protection category

IP65

Color

~RAL 9010 Pure white / transparent matt

Dimensions (W x H x D)

207 x 119 x 48 mm

Accessories

A5Q00004478 Screwed cable gland M20

A5Q00004479 Back nut M20



Order No.

Product No.

S54312-F3-A1

FDCH221

## Conventional fire control panels

## 2-zones panels

## Accessories FC121-ZA

A5Q00004478

**Screwed cable gland M20 x 1.5**

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

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004478

A5Q00004478

A5Q00004479

**Back nut M20**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004479

A5Q00004479



## Conventional fire control panels

### 4-zone panels

### FC120 series

#### Fire control panel, 4 zones

#### FC122-ZA

The FC122-ZA is a conventional fire control panel with an integrated operating unit for 4 zones. The control unit has been designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list. The FC122-ZA is ideally suited for small applications, e.g. in schools, shops, hotels. Expansions and accessories must be ordered separately.



Data sheet	A6V10371354
Mains voltage	AC 196...253 V
Operating voltage	DC 21...28.6 V
Power supply	25 W
Operating current	Max. 0.9 A
Emergency power supply	Up to 72 Ah
Battery capacity	2x 12 V / 4 or 7 Ah
Operating temperature	-5...+40 °C
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	2
Plug-in position	1
Zones	4
Conventional devices per zone	Max. 32
Relative humidity	≤95 % rel. (no condensation)
Storage temperature	-20...+60 °C
Protection category	IP30
Color housing/cover	~RAL 000 50 00, Gray
Dimensions (W x H x D)	310 x 360 x 85 mm
Expansion	FCA1203-Z1 Output card 2M 2R FTO1201-H1 EVAC module (NL 2&4 zones)
Accessories	FCA1206-Z1 Key switch set (Nordic SE) FCA1209-Z1 Output module (230 V) FDCH221 Housing for input/output modules AX1213 Battery (12 V, 4.5 Ah) FA2003-A1 Battery (12 V, 7 Ah, VDS)

Order No.

Product No.

S54400-C130-A1

FC122-ZA

## Conventional fire control panels

### 4-zone panels

#### Expansion FC122-ZA

##### FCA1203-Z1



##### Output card 2M 2R

The FCA1203-Z1 is an output card and provides 2 supervised outputs and 2 relay outputs. The outputs are freely programmable to the events, e.g. fire dialer, fault dialer, fire control, sounder control.

Data sheet	A6V10371354
Supervised output	2x 24 V / 1 A
Relay output (NOC)	2x 30 V / 1 A

Order No.

Product No.

S54400-B142-A1

FCA1203-Z1

##### FTO1201-H1



##### EVAC module (NL 2&4 zones)

Additional evacuation function according to NEN 2575. The module provides one EVAC zone for NL. Cables and screws for installation are included. Labelling: Dutch only.

Data sheet	A6V10371354
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Order No.

Product No.

S54400-B120-A1

FTO1201-H1

## Conventional fire control panels

### 4-zone panels

### Accessories FC122-ZA

#### Key switch set (Nordic SE)

FCA1206-Z1

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).

Data sheet

A6V10371354



Order No.

Product No.

S54400-S125-A1

FCA1206-Z1

#### Output module (230 V)

FCA1209-Z1

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.

Data sheet

A6V10371354

Operating voltage

DC 14.5...30 V

Operating current

Max. 0.1 mA

Communication protocol

Monitored output line

Protection category

IP30

Operating temperature

-25...+65 °C

Storage temperature

-25...+65 °C

Relay output (NO)

AC 230 V, max. 5 A /

DC 30 V, max. 5 A

Relative humidity

≤95 % rel.

Color

Housing -&gt; ~RAL 9010, Pure white

Color housing/cover

~RAL 9010, Pure white / transparent matt

Dimensions (W x H x D)

95 x 23 x 71 mm

Standard

EN 54-18

Accessories

FDCH221 Housing for input/output modules

A5Q00004478 Screwed cable gland M20

A5Q00004479 Back nut M20



Order No.

Product No.

S54400-B124-A1

FCA1209-Z1

#### Housing for input/output modules

FDCH221

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet

A6V10202196

Protection category

IP65

Color

~RAL 9010 Pure white / transparent matt

Dimensions (W x H x D)

207 x 119 x 48 mm

Accessories

A5Q00004478 Screwed cable gland M20

A5Q00004479 Back nut M20



Order No.

Product No.

S54312-F3-A1

FDCH221

## Conventional fire control panels

## 4-zone panels

## Accessories FC122-ZA

A5Q00004478

**Screwed cable gland M20 x 1.5**

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

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004478

A5Q00004478

A5Q00004479

**Back nut M20**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004479

A5Q00004479

## Conventional fire control panels

### 8-zone panels

### FC120 series

#### Fire control panel, 8 zones

#### FC123-ZA

The FC123-ZA is a conventional fire control panel with an integrated operating unit for 8 zones. The control unit has been designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list. The FC123-ZA is ideally suited for small applications, e.g. in schools, shops, hotels. Expansions and accessories must be ordered separately.



Data sheet	A6V10371354
Mains voltage	AC 97...127 V / AC 196...253 V
Operating voltage	DC 21...28.6 V
Power supply	70 W
Operating current	Max. 2.5 A
Emergency power supply	Up to 72 Ah
Battery capacity	2x 12 V / 7, 12 or 17 Ah
Operating temperature	-5...+40 °C
Relay outputs	1x dialer fault
Monitored output	1x sounder line
	1x dialer fire
Programmable inputs	3
Plug-in position	2
Zones	8
Conventional devices per zone	Max. 32
Relative humidity	≤95 % rel. (no condensation)
Storage temperature	-20...+60 °C
Protection category	IP30
Color housing/cover	~RAL 000 50 00, Gray
Dimensions (W x H x D)	430 x 399 x 124 mm
Expansion	FTO1203-H1 EVAC module (NL 8&12 zones) FTO1202-Z1 Zone ind. field 12x2 LED
Accessories	FCA1206-Z1 Key switch set (Nordic SE) FCA1209-Z1 Output module (230 V) FDCH221 Housing for input/output modules FA2003-A1 Battery (12 V, 7 Ah, VDS) FA2004-A1 Battery (12 V, 12 Ah, VDS) FA2005-A1 Battery (12 V, 17 Ah, VDS)

Order No.

Product No.

S54400-C129-A1

FC123-ZA

## Conventional fire control panels

### 8-zone panels

#### Expansion FC123-ZA

##### FTO1203-H1



##### EVAC module (NL 8&12 zones)

Additional evacuation function according to NEN 2575. The module provides one EVAC zone for NL. Cables and screws for installation are included. Labelling: Dutch only.

Data sheet

A6V10371354

Order No.

Product No.

S54400-B118-A1

**FTO1203-H1**

##### FCA1203-Z1



##### Output card 2M 2R

The FCA1203-Z1 is an output card and provides 2 supervised outputs and 2 relay outputs. The outputs are freely programmable to the events, e.g. fire dialer, fault dialer, fire control, sounder control.

Data sheet

A6V10371354

Supervised output  
Relay output (NOC)

2x 24 V / 1 A  
2x 30 V / 1 A

Order No.

Product No.

S54400-B142-A1

**FCA1203-Z1**

##### FTO1202-Z1



##### Zone ind. field 12x2 LED

Zone indication field for 12 zones, with one red and one yellow LED each. Individual customer description provided by inscription stripes. Cables and screws for installation are included.

Data sheet

A6V10371354

Order No.

Product No.

S54400-B119-A1

**FTO1202-Z1**



## Conventional fire control panels

### 8-zone panels

### Accessories FC123-ZA

#### Key switch set (Nordic SE)

FCA1206-Z1

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).

Data sheet A6V10371354



Order No.

Product No.

S54400-S125-A1

FCA1206-Z1

#### Output module (230 V)

FCA1209-Z1

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.

Data sheet A6V10371354

Operating voltage DC 14.5...30 V

Operating current Max. 0.1 mA

Communication protocol Monitored output line

Protection category IP30

Operating temperature -25...+65 °C

Storage temperature -25...+65 °C

Relay output (NO) AC 230 V, max. 5 A /  
DC 30 V, max. 5 A

Relative humidity ≤95 % rel.

Color Housing -> ~RAL 9010, Pure white

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

Dimensions (W x H x D) 95 x 23 x 71 mm

Standard EN 54-18

Accessories FDCH221 Housing for input/output modules  
A5Q00004478 Screwed cable gland M20  
A5Q00004479 Back nut M20



Order No.

Product No.

S54400-B124-A1

FCA1209-Z1

#### Housing for input/output modules

FDCH221

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet A6V10202196

Protection category IP65

Color ~RAL 9010 Pure white / transparent matt

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

Accessories A5Q00004478 Screwed cable gland M20  
A5Q00004479 Back nut M20



Order No.

Product No.

S54312-F3-A1

FDCH221

## Conventional fire control panels

## 8-zone panels

## Accessories FC123-ZA

A5Q00004478

**Screwed cable gland M20 x 1.5**

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

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004478

A5Q00004478

A5Q00004479

**Back nut M20**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004479

A5Q00004479

## Conventional fire control panels

### 12-zone panels

### FC120 series

#### Fire control panel, 12 zones

FC124-ZA

The FC124-ZA is a conventional fire control panel with an integrated operating unit for 12 zones. The control unit has been designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list. The FC124-ZA is ideally suited for small applications, e.g. in schools, shops, hotels. Expansions and accessories must be ordered separately.



Data sheet	A6V10371354
Mains voltage	AC 97...127 V / AC 196...253 V
Operating voltage	DC 21...28.6 V
Power supply	70 W
Operating current	Max. 2.5 A
Emergency power supply	Up to 72 Ah
Battery capacity	2x 12 V / 7, 12 or 17 Ah
Operating temperature	-5...+40 °C
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	3
Plug-in position	3
Zones	12
Conventional devices per zone	Max. 32
Relative humidity	≤95 % rel. (no condensation)
Storage temperature	-20...+60 °C
Protection category	IP30
Color housing/cover	~RAL 000 50 00, Gray
Dimensions (W x H x D)	430 x 399 x 124 mm
Expansion	FTO1203-H1 EVAC module (NL 8&12 zones) FTO1202-Z1 Zone ind. field 12x2 LED
Accessories	FCA1206-Z1 Key switch set (Nordic SE) FCA1209-Z1 Output module (230 V) FDCH221 Housing for input/output modules FA2003-A1 Battery (12 V, 7 Ah, VDS) FA2004-A1 Battery (12 V, 12 Ah, VDS) FA2005-A1 Battery (12 V, 17 Ah, VDS)

Order No.

Product No.

S54400-C128-A1

**FC124-ZA**

## Conventional fire control panels

### 12-zone panels

#### Expansion FC124-ZA

##### FTO1203-H1



##### EVAC module (NL 8&12 zones)

Additional evacuation function according to NEN 2575. The module provides one EVAC zone for NL. Cables and screws for installation are included. Labelling: Dutch only.

Data sheet

A6V10371354

Order No.

Product No.

S54400-B118-A1

**FTO1203-H1**

##### FTO1202-Z1



##### Zone ind. field 12x2 LED

Zone indication field for 12 zones, with one red and one yellow LED each. Individual customer description provided by inscription stripes. Cables and screws for installation are included.

Data sheet

A6V10371354

Order No.

Product No.

S54400-B119-A1

**FTO1202-Z1**

## Conventional fire control panels 12-zone panels Accessories FC124-ZA

### Key switch set (Nordic SE)

FCA1206-Z1

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).

Data sheet

A6V10371354



Order No.

Product No.

S54400-S125-A1

FCA1206-Z1

### Output module (230 V)

FCA1209-Z1

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.

Data sheet

A6V10371354

Operating voltage

DC 14.5...30 V

Operating current

Max. 0.1 mA

Communication protocol

Monitored output line

Protection category

IP30

Operating temperature

-25...+65 °C

Storage temperature

-25...+65 °C

Relay output (NO)

AC 230 V, max. 5 A /

DC 30 V, max. 5 A

Relative humidity

≤95 % rel.

Color

Housing -> ~RAL 9010, Pure white

Color housing/cover

~RAL 9010, Pure white / transparent matt

Dimensions (W x H x D)

95 x 23 x 71 mm

Standard

EN 54-18

Accessories

FDCH221 Housing for input/output modules

A5Q00004478 Screwed cable gland M20

A5Q00004479 Back nut M20



Order No.

Product No.

S54400-B124-A1

FCA1209-Z1

### Housing for input/output modules

FDCH221

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet

A6V10202196

Protection category

IP65

Color

~RAL 9010 Pure white / transparent matt

Dimensions (W x H x D)

207 x 119 x 48 mm

Accessories

A5Q00004478 Screwed cable gland M20

A5Q00004479 Back nut M20



Order No.

Product No.

S54312-F3-A1

FDCH221



## Conventional fire control panels

## 12-zone panels

## Accessories FC124-ZA

A5Q00004478

**Screwed cable gland M20 x 1.5**

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

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004478

A5Q00004478

A5Q00004479

**Back nut M20**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004479

A5Q00004479

## 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 Cerberus™ PRO fire safety system and be combined with the Sinorix™ extinguishing system.

- Fire detection and extinguishing control in one panel
- Broad range of installations possible – single and multi sectors, standalone 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, ...)





## Extinguishing panel Standard

XC1001-A



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 conventional and collective devices.

Easy and fast commissioning using 4 digital displays.

Data sheet	A6V10257471
Mains voltage	AC 115...230 V / +10...-15 %, 50/60 Hz
Power consumption	Max. 150 VA
Alarm relay output (NO/NC)	30 V / 1 A max.
Battery capacity	2 x 12 V / 4.5 Ah
Operating temperature	-5...+40 °C
Conventional line	3
Control output	24 V / 1 A max.
Control input	4 monitored inputs (loss of agent, pressure switch) 4 non monitored inputs (activation via contacts)
Storage temperature	-20...+60 °C
Standard	EN 12094-1, EN 54-2/A1, EN 54-4/A2
Case protection category	IP30
Color	~RAL 9003, Signal white (cover) / ~RAL 9006, White aluminum (user interface)
Dimensions (W x H x D)	370 x 286 x 90 mm
Expansion	XCE1002 Trigger element XCA1020 Accessory set for FDCIO
Accessories	Z3B171 Relay module FCA1007 Key switch kit XCH1001-A Cover set

Order No.

Product No.

S54390-C1-A1

XC1001-A



## Conventional extinguishing control panels

### Connectable to fire detection systems

#### XC10 series

2

##### 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.

Data sheet	A6V10257471
Mains voltage	AC 115...230 V / +10...-15 %, 50/60 Hz
Alarm relay output (NO/NC)	30 V / 1 A max.
Battery capacity	2 x 12 V / 4.5...17 Ah
Operating temperature	-5...+40 °C
Conventional line	3
Control output	24 V / 1 A max.
Control input	4 monitored inputs (loss of agent, pressure switch) 4 non monitored inputs (activation via contacts)
Storage temperature	-20...+60 °C
Case protection category	IP40
Color	~RAL 9003, Signal white (cover) / ~RAL 9006, White aluminum (user interface)
Dimensions (W x H x D)	505 x 375 x 125 mm
Expansion	XCE1002 Trigger element
Accessories	Z3B171 Relay module FCA1007 Key switch kit FCA1014 Battery holder XCH1005-A Cover set

Order No.

Product No.

S54390-C3-A1

**XC1005-A**



## Extinguishing panel Rack

XC1003-A



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.

Data sheet	A6V10257471
Mains voltage	AC 115...230 V / +10...-15 %, 50/60 Hz
Power consumption	Max. 150 VA
Alarm relay output (NO/NC)	30 V / 1 A max.
Battery capacity	2 x 12 V / 4.5...17 Ah
Operating temperature	-5...+40 °C
Conventional line	3
Control output	24 V / 1 A max.
Control input	4 monitored inputs (loss of agent, pressure switch) 4 non monitored inputs (activation via contacts)
Storage temperature	-20...+60 °C
Standard	EN 12094-1, EN 54-2/A1, EN 54-4/A2
Case protection category	IP30
Color	~RAL 9006, White aluminum
Dimensions (W x H x D)	482.6 x 177.8 x 187 mm
Expansion	XCE1002 Trigger element XCA1030 Multi-zone extension module XCA1031 Common multi-zone module
Accessories	Z3B171 Relay module with 1 contact PF12 Cover plate 1U PF13 Cover plate 2U XCH1003-A Cover set

Order No.

Product No.

S54390-C2-A1

XC1003-A

## Conventional extinguishing control panels

### Connectable to fire detection systems

#### Expansion XC10

##### FCA1014

##### Battery holder

Battery holder for 12 Ah or 17 Ah batteries

Order No.

Product No.

A6E60500069

**FCA1014**

##### 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.

Order No.

Product No.

S54390-A5-A1

**XCA1030**

##### 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.

Order No.

Product No.

S54390-A6-A1

**XCA1031**

##### XCA1020



##### Accessory set for FDCIO

Mounting support for I/O module FDCIO222 for the connection to a fire detection system.

Order No.

Product No.

A5Q00025158

**XCA1020**

##### 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.

Order No.

Product No.

A5Q00015659

**XCE1002**

**Relay module with 1 contact**

**Z3B171**

The relay module is an additional fire event control module, activated by the fire control panel's control output.



Contact rating AC 250 V / 10 A  
Delivery unit 10 pieces

Order No.	Product No.
BPZ:4843830001	Z3B171

**Key switch kit**

**FCA1007**

To provide operating access via key switch instead of password.



Order No.	Product No.
A6E60500026	FCA1007

## Conventional extinguishing control panels

### Connectable to fire detection systems

#### XT10 series

2

##### XT1001-A1

##### Repeater display



Small repeater display for use with XC10 extinguishing control panel system.

Up to 16 repeaters can be connected to each XC10 extinguishing control panel to provide control and remote status indications 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.

Mains voltage	DC 8...30 V
Quiescent current	18 mA at 24 V
Operating temperature	-5...+40 °C
Storage temperature	-10...+60 °C
Case protection category	IP40
Color	~RAL 9002, Gray white
Dimensions (W x H x D)	200 x 210 x 48 mm

Order No.

Product No.

S54390-Z16-A1

XT1001-A1

##### XT1002-A1

##### Repeater terminal



Small repeater display for use with XC10 extinguishing control panel system.

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.

Mains voltage	DC 8...30 V
Quiescent current	18 mA at 24 V
Operating temperature	-5...+40 °C
Storage temperature	-10...+60 °C
Case protection category	IP40
Color	~RAL 9002, Gray white
Dimensions (W x H x D)	200 x 210 x 48 mm

Order No.

Product No.

S54390-Z15-A1

XT1002-A1

**SIEMENS**

*Ingenuity for life*



## Maximize safety in small applications – with Cerberus FIT

Efficiently enhance fire safety with a simple and flexible fire protection solution.

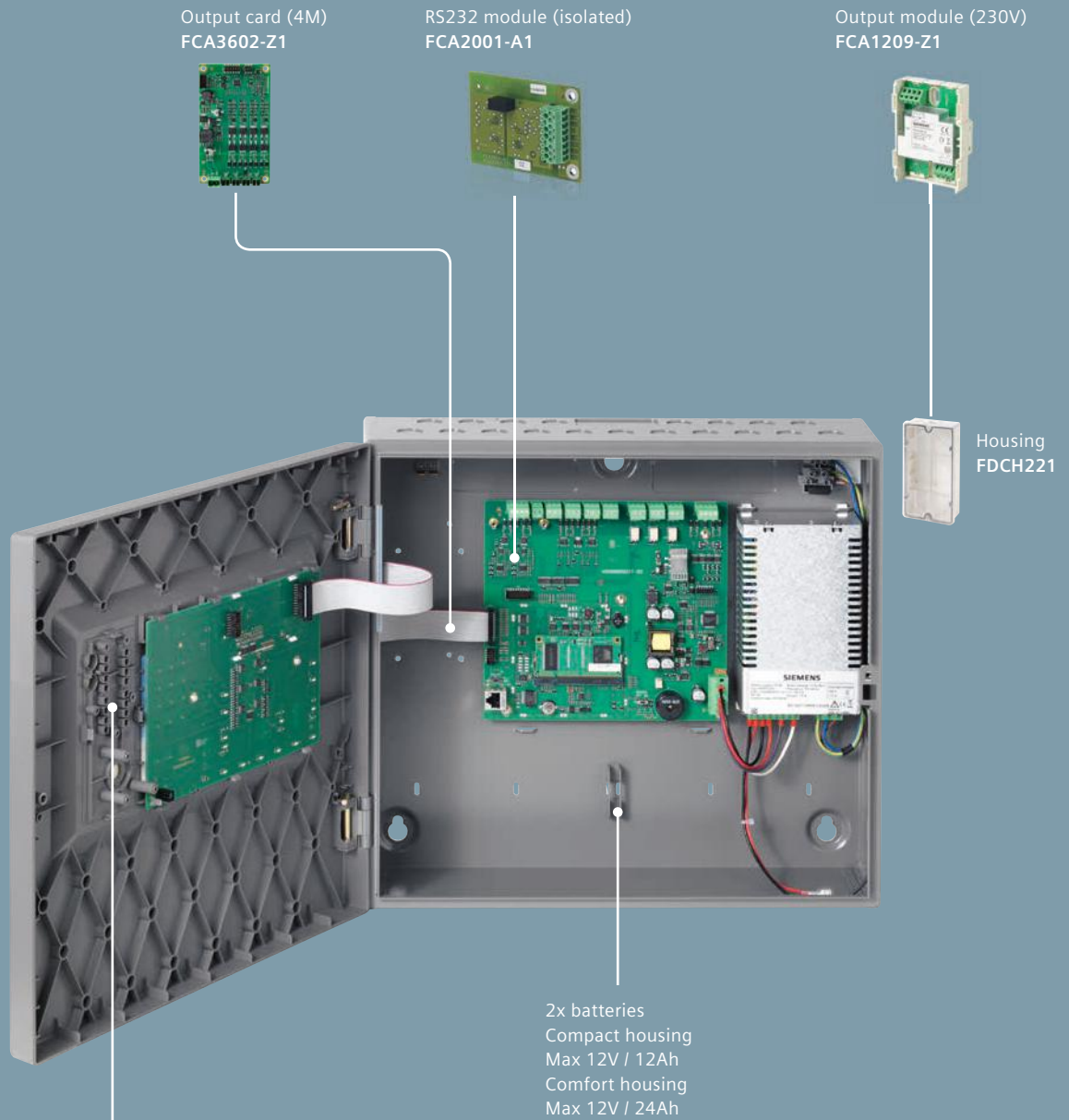
Ensure the safety of people and assets in small- to medium-sized applications – with the addressable 1-loop solution Cerberus™ FIT. At the center of every system is a compact control panel with a simple, intuitive user interface. Up to 126 C-NET devices can be connected. The broad fire safety portfolio from Siemens comprises all you need for fast and reliable detection, early alarming and smart evacuation. Detectors with the unique **ASAt**technology™ are even immune to false alarms. Installing, commissioning and maintaining Cerberus FIT is a snap and no extra software tools are needed. Furthermore, the fire protection system complies with the latest legal and regulatory standards. Trust in the known and proven quality from Siemens – and enhance safety with Cerberus FIT.

[siemens.com/ceberus-fit](https://www.siemens.com/ceberus-fit)

The 1-loop addressable fire control panel



# Addressable fire control panel FC361



## Options



LED indicator (16 zones)  
FTO3602-Z1



Evacuation module (NL)  
FTO3601-H1



Key switch  
FCA3601-Z1



Key switch (Nordic)  
FCA3603-Z1



## Fire control panel (1-loop)

FC361..

The FC361.. is an addressable, non-networkable fire control panel (1-loop) to which up to 126 C-NET devices can be connected.

Detection and automatic read-in (auto-configuration) of all C-NET devices, providing immediate simple operation. The integrated 'Panel Configurator' enables the configuration to be changed quickly and easily on a PC/laptop, without the need for additional software. Up to 2000 events can be stored according to various criteria. Automatic summer/winter time change.

The control panel is ideally suited to smaller fire detection installations, such as the kind used in workshops, smaller hotels, schools, stores, and so on.

The expansion and accessories must be ordered separately.

Detector compatibility	Cerberus™ PRO FD720 (C-NET)
Standard	EN 54-2, EN 54-4, EN 54-13
Number of addresses	Max. 126
Number of detector lines	1 loop or 2 stub lines
Programmable input/output	4
Relay outputs	1 x RT fire alarm 1 x RT fault 1 x Fire Control
Supervised output	2 x horn
Mains voltage	AC 97...127 V / AC 196...253 V
Operating voltage	DC 20.5...28.6 V
Operating current	Max. 2.5 A
Power supply	70 W
Emergency power supply	Up to 72 hours
Plug-in position	1 for serial interface RS232
Operating temperature	-5...+40 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95% rel. (no condensation)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray

Addressable fire control panels  
**FC36x compact fire control panels**  
**FC361 series**

3

**FC361-ZZ**

**Fire control panel (1-loop) in housing (compact)**



See FC361.. for technical overview and note the additional / other specifications:

Data sheet	A6V10419665
Battery capacity	Max. 2x 12 V, 12 Ah
Dimensions (W x H x D)	402 x 372 x 132 mm
Expansion	FCA3602-Z1 Output card (4M) FTO3602-Z1 LED indicator (16 zones) FTO3601-H1 Evacuation module (NL) FCA3601-Z1 Key switch FCA3603-Z1 Key switch (Nordic) FCA2001-A1 RS232 module (isolated)
Accessories	FHA3602-Z1 Semi flush mount bezel FCA1209-Z1 Output module (230 V) DL3750+ Matrix printer external

Order No.	Product No.
S54433-C112-A1	<b>FC361-ZZ</b>

**FC361-YZ**

**Fire control panel (1-loop) in housing (compact) with LED indicator**



See FC361.. for technical overview and note the additional / other specifications:

With integrated LED indicator for 16 zones.

Data sheet	A6V10419665
Battery capacity	Max. 2x 12 V, 12 Ah
Dimensions (W x H x D)	402 x 372 x 132 mm
Expansion	FCA3602-Z1 Output card (4M) FCA3601-Z1 Key switch FCA3603-Z1 Key switch (Nordic) FCA2001-A1 RS232 module (isolated)
Accessories	FHA3602-Z1 Semi flush mount bezel FCA1209-Z1 Output module (230 V) DL3750+ Matrix printer external

Order No.	Product No.
S54433-C110-A1	<b>FC361-YZ</b>

**Fire control panel (1-loop) in housing (comfort)**

**FC361-ZA**

See FC361.. for technical overview and note the additional / other specifications:

In comfort housing

Data sheet	A6V10419665
Battery capacity	Max. 2x 12 V, 25 Ah
Dimensions (W x H x D)	402 x 372 x 211 mm
Expansion	FCA3602-Z1 Output card (4M) FTO3602-Z1 LED indicator (16 zones) FTO3601-H1 Evacuation module (NL) FCA3601-Z1 Key switch FCA3603-Z1 Key switch (Nordic) FCA2001-A1 RS232 module (isolated)
Accessories	FHA3602-Z1 Semi flush mount bezel FCA1209-Z1 Output module (230 V) DL3750+ Matrix printer external



Order No.

Product No.

S54433-C111-A1

**FC361-ZA**

**Fire control panel (1-loop) in housing (comfort) with LED indicator**

**FC361-YA**

See FC361.. for technical overview and note the additional / other specifications:

In comfort housing and with integrated LED indicator (16 zones)

Data sheet	A6V10419665
Battery capacity	Max. 2x 12 V, 25 Ah
Dimensions (W x H x D)	402 x 372 x 211 mm
Expansion	FCA3602-Z1 Output card (4M) FCA3601-Z1 Key switch FCA3603-Z1 Key switch (Nordic) FCA2001-A1 RS232 module (isolated)
Accessories	FHA3602-Z1 Semi flush mount bezel FCA1209-Z1 Output module (230 V) DL3750+ Matrix printer external



Order No.

Product No.

S54433-C109-A1

**FC361-YA**

**New Product**

Addressable fire control panels  
**FC36x compact fire control panels**  
**Expansion FC361**

3

**FCA3602-Z1**

**Output card (4M)**



The FCA3602-Z1 output card (4M) is an expansion of the FC361-xx fire control panels. It features 4 freely programmable monitored outputs to the events, e.g. fire dialer, fault dialer, fire control and sounder control.

Data sheet A6V10419665

Supervised output 4x 24 V / 1 A

Order No. Product No.

S54433-A114-A1 **FCA3602-Z1**

**FTO3602-Z1**

**LED indicator (16 zones)**



The FTO3602-Z1 LED indicator is an expansion of the FC361-xx fire control panels for optical indication of the fire zone (up to 16 zones).

Data sheet A6V10419665

Order No. Product No.

S54433-B117-A1 **FTO3602-Z1**

**FTO3601-H1**

**Evacuation module (NL)**



The FTO3601-H1 evacuation module (NL) is an expansion of the FC361-xx fire control panels for independent control of one EVAC zone. The module has been specifically developed for the Dutch market and corresponds to NEN 2575.

Data sheet A6V10419665

Order No. Product No.

S54433-B116-A1 **FTO3601-H1**

**Key switch**

FCA3601-Z1

The FCA3601-Z1 key switch is an expansion of the FC361-xx fire control panels and is used for operating access (level 2).

Data sheet A6V10419665



Order No.	Product No.
S54433-N113-A1	<b>FCA3601-Z1</b>

**Key switch (Nordic)**

FCA3603-Z1

The FCA3603-Z1 key switch (nordic) is an expansion of the FC361-xx fire control panels and is used for operating access (level 2).

Data sheet A6V10419665



Order No.	Product No.
S54433-N115-A1	<b>FCA3603-Z1</b>

**RS232 module (isolated)**

FCA2001-A1

Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back of the operating unit.

Cable capacity 0.2...1.5 mm<sup>2</sup>  
 Dimensions (W x H x D) 50 x 15 x 70 mm



Order No.	Product No.
A5Q00005327	<b>FCA2001-A1</b>

**New Product**

Addressable fire control panels  
**FC36x compact fire control panels**  
**Accessories FC361**

3

**FHA3602-Z1**

**Semi flush mount bezel**



The FHA3602-Z1 semi flush mount bezel is a mounting accessory for recessed mounting of the FC361-xx fire control panels.

Data sheet A6V10419665

Order No.	Product No.
S54433-N118-A1	<b>FHA3602-Z1</b>

**FCA1209-Z1**

**Output module (230 V)**



The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.

Data sheet	A6V10371354
Operating voltage	DC 14.5...30 V
Operating current	Max. 0.1 mA
Communication protocol	Monitored output line
Protection category	IP30
Operating temperature	-25...+65 °C
Storage temperature	-25...+65 °C
Relay output (NO)	AC 230 V, max. 5 A / DC 30 V, max. 5 A
Relative humidity	≤95 % rel.
Color	Housing -> ~RAL 9010, Pure white
Color housing/cover	~RAL 9010, Pure white / transparent matt
Dimensions (W x H x D)	95 x 23 x 71 mm
Standard	EN 54-18
Accessories	FDCH221 Housing for input/output modules A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54400-B124-A1	<b>FCA1209-Z1</b>

**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 Sinteso and Cerberus PRO fire control panel. The configured type of event is printed with maximum 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
Operating temperature	+5...+38 °C
Storage temperature	-15...+60 °C
Character set	6
Relative humidity	≤95 % rel. (no condensation)
Interfaces	RS232 or Ethernet (via Print Server PS01a)
Resolution	360 x 360 dpi
Dimensions (W x H x D)	415 x 120 x 330 mm

Order No.	Product No.
A5Q00023962	<b>DL3750+</b>

**Housing for input/output modules**

**FDCH221**

Housing with seal for the mounting of several devices for wet applications.  
 The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20



	Order No.	Product No.
	S54312-F3-A1	FDCH221

**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
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	Order No.	Product No.
	A5Q00004478	A5Q00004478

**Back nut M20**

**A5Q00004479**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit	10 pieces
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	Order No.	Product No.
	A5Q00004479	A5Q00004479





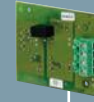
# Addressable fire control panel FC721



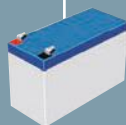
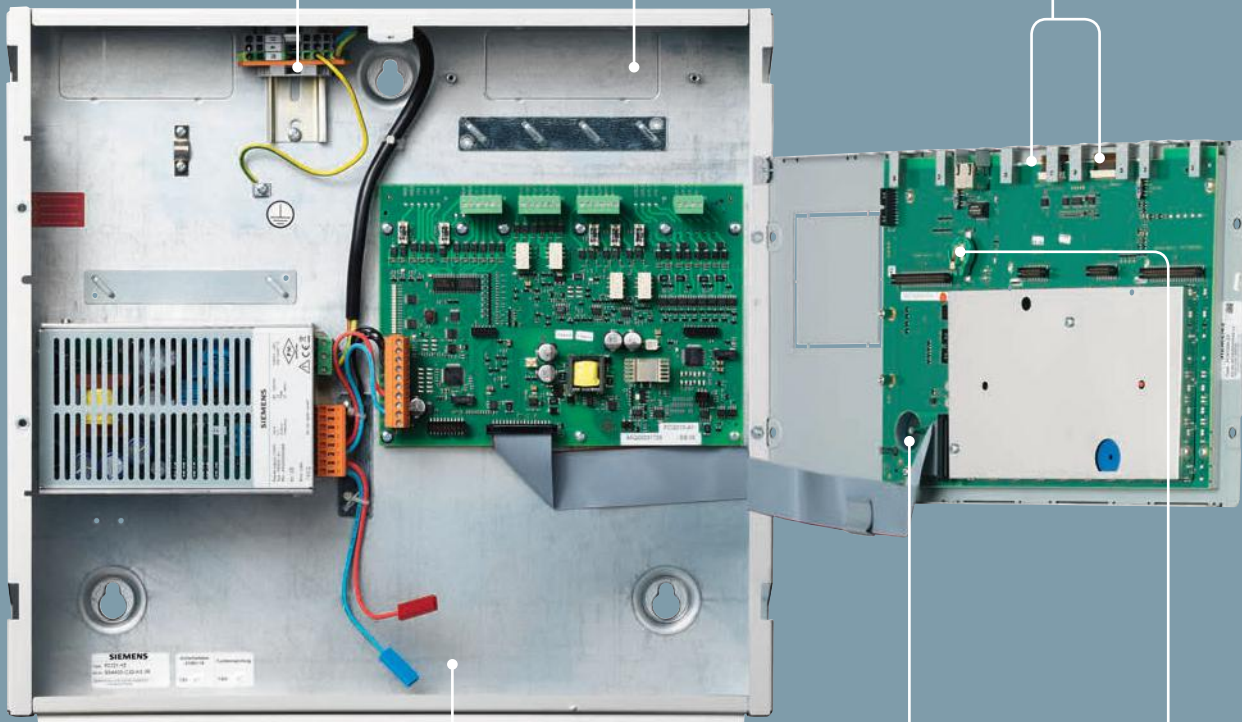
Up to 2  
relay modules  
Z3B171



Cable kit (communication)  
FCA2014-A1



RS485 module  
FCA2002-A1 or  
RS232 module  
FCA2001-A1



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



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



License key (S1)  
FCA2033-A1 for  
Cerberus-Remote

## Fire control panel (1-loop) in housing (Eco)

FC721..

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

The fire control panel may be used as a standalone 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.

Data sheet	A6V10203220
Detector compatibility	Cerberus PRO FD720
Number of addresses	Max. 126
Number of detector lines	1 loop or 2 stub lines
Programmable input/output	4
Relay outputs	1x RT alarm 1x RT fault
Supervised output	1x RT alarm 1x RT fault 1x horn
Mains voltage	AC 97...127 V / AC 196...253 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 2.5 A
Power supply	70 W
Emergency power supply	Up to 72 h (optional)
Battery capacity	2 x 12 V, 7 Ah
Plug-in position	1 -> for serial interface RS232 or RS485
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm (without cover cap) 430 x 398 x 108 mm (with cover cap)

Addressable fire control panels  
**FC72x compact fire control panels**  
**FC721 series**

3

**FC721-ZZ**



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

See FC721.. for technical overview and note the additional / other specifications:

Data sheet	A6V10203220
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2033-A1 License key (S1) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard) FP2004-A1 Power supply kit (150 W, A) FP2015-A1 Power supply (70 W)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

Order No.	Product No.
S54400-C32-A2	<b>FC721-ZZ</b>

**FC721-YZ**



**Fire control panel (1-loop) in housing (Eco) with 1 LED indicator**

See FC721.. for technical overview and note the additional / other specifications:

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

Data sheet	A6V10203220
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2033-A1 License key (S1) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard) FP2004-A1 Power supply kit (150 W, A) FP2015-A1 Power supply (70 W)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

Order No.	Product No.
S54400-C32-A3	<b>FC721-YZ</b>

**Fire control panel (1-loop) in housing (Eco) with EVAC operating unit**

**FC721-HZ**

See FC721.. for technical overview and note the additional / other specifications:

With 10 evacuation operating zones for Netherlands.



Data sheet	A6V10203220
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2033-A1 License key (S1) FH7201-Z3 Housing (Eco) FH7202-Z3 Housing (Standard) FP2004-A1 Power supply kit (150 W, A) FP2015-A1 Power supply (70 W)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

	Order No.	Product No.
	S54400-C32-A1	FC721-HZ

# Addressable fire control panels

## FC72x compact fire control panels

### Expansion FC721

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#### FCA2033-A1



#### License key (S1)

iButton with license for:  
 Sinteso -> SintesoView and BACnet to 3rd party (supervision only)  
 Cerberus PRO -> Cerberus-Remote and BACnet to 3rd party (supervision only)  
 One license key is required per station.

Order No.	Product No.
S54400-P154-A1	FCA2033-A1

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

Order No.	Product No.
A5Q00010126	FTO2001-A1

#### FCA2001-A1



#### RS232 module (isolated)

Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back of the operating unit.

Cable capacity	0.2...1.5 mm <sup>2</sup>
Dimensions (W x H x D)	50 x 15 x 70 mm

Order No.	Product No.
A5Q00005327	FCA2001-A1

#### FCA2002-A1



#### RS485 module (isolated)

Module for periphery devices with RS485 interface, e.g. for FAT (GER). Plugged into the backside of the operating unit.

Cable capacity	0.2...1.5 mm <sup>2</sup>
Dimensions (W x H x D)	50 x 15 x 70 mm

Order No.	Product No.
A5Q00009923	FCA2002-A1

### Housing (Eco)

FH7201-Z3

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

Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm
Integral battery space	2x FA2003-A1 (7 Ah)
Expansion	FTO2001-A1 Event printer FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FP2015-A1 Power supply kit (70 W)



Order No.	Product No.
S54400-B72-A1	FH7201-Z3

### Housing (Standard)

FH7202-Z3

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

Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray
Cabinet dimensions (W x H x D)	430 x 398 x 160 mm
Integral battery space	2x FA2003-A1 (7 Ah) or 2x FA2004-A1 (12 Ah) or 2x FA2006-A1 (26 Ah)
Expansion	FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FP2015-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



Order No.	Product No.
S54400-B70-A1	FH7202-Z3

### Power supply (70 W)

FP2015-A1

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

Data sheet	A6V10367041
Mains voltage	AC 97...127 V / AC 196...253 V
Supply voltage	AC 97...127 V or AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2 x 12 V, 7 Ah / 12 Ah / 17 Ah
Dimensions (W x H x D)	95 x 170 x 54 mm



Order No.	Product No.
S54400-B121-A1	FP2015-A1

Addressable fire control panels  
FC72x compact fire control panels  
Expansion FC721

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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	AC 115...230 V
Power consumption	Max. 300 VA
Current	2.6 / 1.2 A
Dimensions (W x H x D)	130 x 150 x 70 mm

Order No.	Product No.
A5Q00020825	<b>FP2004-A1</b>



### Key switch (Kaba)

FTO2005-C1

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



Order No.	Product No.
A5Q00010113	FTO2005-C1

### Key switch (Nordic)

FTO2006-B1

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).



Order No.	Product No.
A5Q00010129	FTO2006-B1

### Output module (230 V)

FCA1209-Z1

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.



Data sheet	A6V10371354
Operating voltage	DC 14.5...30 V
Operating current	Max. 0.1 mA
Communication protocol	Monitored output line
Protection category	IP30
Operating temperature	-25...+65 °C
Storage temperature	-25...+65 °C
Relay output (NO)	AC 230 V, max. 5 A / DC 30 V, max. 5 A
Relative humidity	≤95 % rel.
Color	Housing -> ~RAL 9010, Pure white
Color housing/cover	~RAL 9010, Pure white / transparent matt
Dimensions (W x H x D)	95 x 23 x 71 mm
Standard	EN 54-18
Accessories	FDCH221 Housing for input/output modules A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54400-B124-A1	FCA1209-Z1

Addressable fire control panels  
**FC72x compact fire control panels**  
**Accessories FC721**

3

**Z3B171**



**Relay module with 1 contact**

The relay module is an additional fire event control module, activated by the fire control panel's control output.

Contact rating AC 250 V / 10 A  
 Delivery unit 10 pieces

Order No. Product No.  
 BPZ:4843830001 **Z3B171**

**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

Order No. Product No.  
 A5Q00020179 **FHA2016-A1**

**FHA2017-A1**



**Flush mounting bezel one HU**

Optimal bezel for flush mounting installation for all fire control panels and operating terminals.

Color ~RAL 9010, Pure white  
 Dimensions (W x H) 530 x 500 mm

Order No. Product No.  
 A5Q00024719 **FHA2017-A1**

**FCA2014-A1**



**Cable kit (communication)**

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

Order No. Product No.  
 A5Q00023027 **FCA2014-A1**

### Matrix printer external

DL3750+

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 Sinteso and Cerberus PRO fire control panel. The configured type of event is printed with maximum 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
Operating temperature	+5...+38 °C
Storage temperature	-15...+60 °C
Character set	6
Relative humidity	≤95 % rel. (no condensation)
Interfaces	RS232 or Ethernet (via Print Server PS01a)
Resolution	360 x 360 dpi
Dimensions (W x H x D)	415 x 120 x 330 mm

Order No.	Product No.
A5Q00023962	DL3750+

### Housing for input/output modules

FDCH221

Housing with seal for the mounting of several devices for wet applications.  
 The required screwed cable glands and back nuts M20 must be ordered separately.



Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54312-F3-A1	FDCH221

### 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
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Order No.	Product No.
A5Q00004478	A5Q00004478

### Back nut M20

A5Q00004479

Back nut to screwed cable gland M20 x 1.5.



Delivery unit	10 pieces
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Order No.	Product No.
A5Q00004479	A5Q00004479

# SIEMENS

*Ingenuity for life*



## 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 makes them the ideal choice whatever the size and complexity of your project. Moreover, the control panels also offer a great number of safety features such as the degrade mode, which ensures that alarms are still transmitted even if a panel should fail. In the event of an alarm, customized intervention texts facilitate correct actions to save people and assets in stressful emergency situations. Cerberus PRO control panels are always a clever solution.

## Addressable 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 be standalone or 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 the 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

# Networkable addressable fire control panel FC722 Standard

Sounder module  
FCA2005-A1



Up to 3  
relay modules  
Z3B171



Output module  
(230 V)  
FCA1209-Z1



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



FCA2005-A1

FCI2001-D1



Cable kit (communication)  
FCA2014-A1

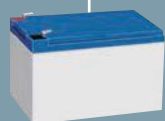
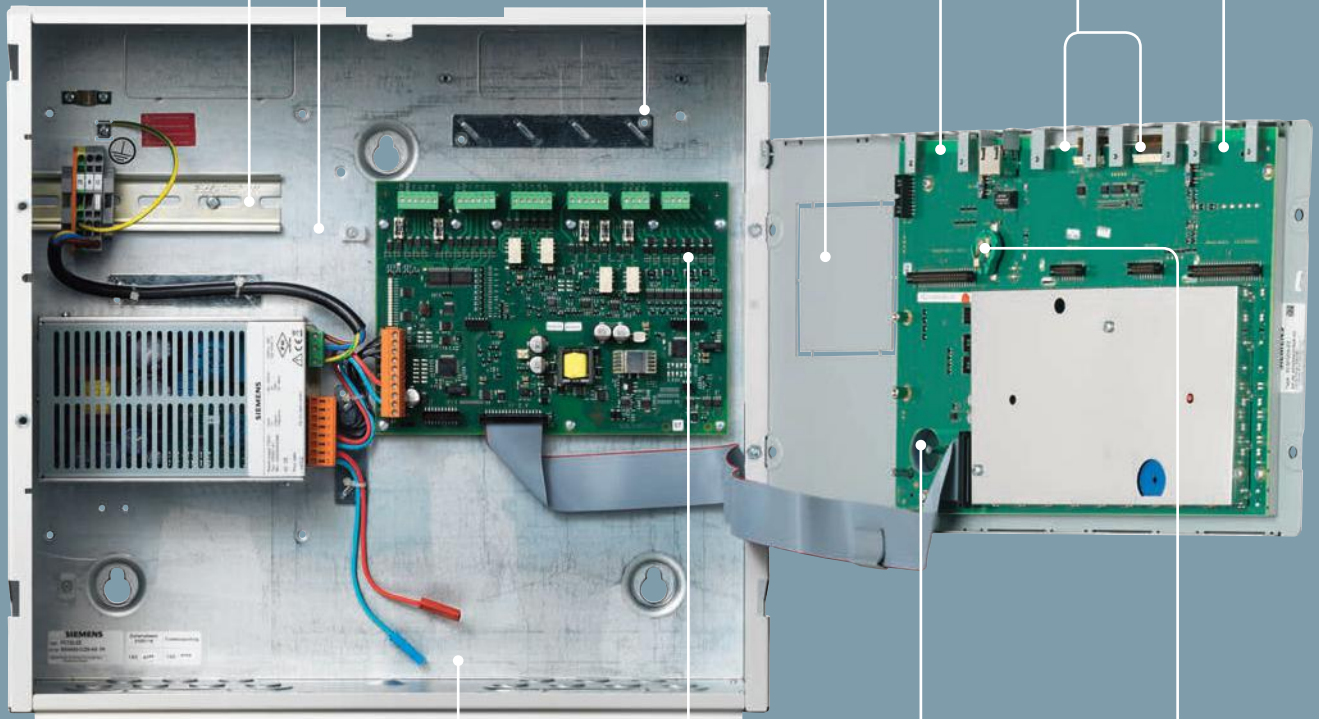


Network module (SAFEDLINK)  
FN2001-A1

Event printer  
FTO2001-A1



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



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



Loop extension  
FCI2003-A1



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



License key (S1)  
FCA2033-A1 for Cerberus-Remote or  
License key (S2)  
FCA2034-A1 for  
Cerberus-Remote and  
BACnet or License key (S3)  
FCA2035-A1 for Cerberus-Remote, BACnet and  
Cerberus Mobile



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

**FC722..**

The FC722.. (2-loop, expandable to 4) is a compact fire control panel with an integrated operating unit that can process signals from Cerberus™ PRO devices of up to 252 addresses. The fire control panel can be used as a standalone version or networked. It can be programmed with a user-friendly Cerberus-Engineering-Tool to create a system with great versatility. Up to 32 fire control panels and fire terminals can be connected in a single cluster (C-WEB/SAFEDLINK network), or up to 16 panels when the cluster is connected to a danger management system. Using a fiber-optic backbone (C-WEB/LAN) up to 14 of these clusters with up to 16 panels each can be networked. This topology enables the construction of an EN 54-conform network with up to 64 fire control panels and fire terminals.

All detector lines are monitored for ground faults.

Adaptation of the user text directly on the terminal or with the Cerberus-Engineering-Tool. Up to 2000 events can be stored according to various criteria. Automatic summer/winter time change.

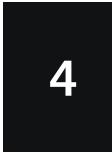
Detection and automatic read-in (auto-configuration) of all C-NET devices, providing immediate simple operation.

Stored data can be uploaded via Cerberus-Remote access.

The FC722.. is ideally suited for medium-sized applications, e.g. in workshops, hotels, etc. or when networked as part of much larger applications. The FC722.. with flexible cross-linking possibilities can also be used for extensive systems.

The expansion and accessories must be ordered separately.

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





## Addressable fire control network participants

### FC72x networkable fire control panels

#### FC722 series

##### FC722-ZZ



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

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

Data sheet	A6V10206525
Power supply	70 W
Mains voltage	AC 97...127 V / AC 196...253 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 2.5 A
Battery capacity	2x 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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

Order No. Product No.

S54400-C29-A5

FC722-ZZ

## Addressable fire control network participants FC72x networkable fire control panels FC722 series

### Fire control panel (2-loop) in housing (Standard) with 1 LED indicator

FC722-YZ

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

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



4

Data sheet	A6V10206525
Power supply	70 W
Mains voltage	AC 97...127 V / AC 196...253 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 2.5 A
Battery capacity	2x 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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
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) FCA1209-Z1 Output module (230 V) Z3B171 Relay module

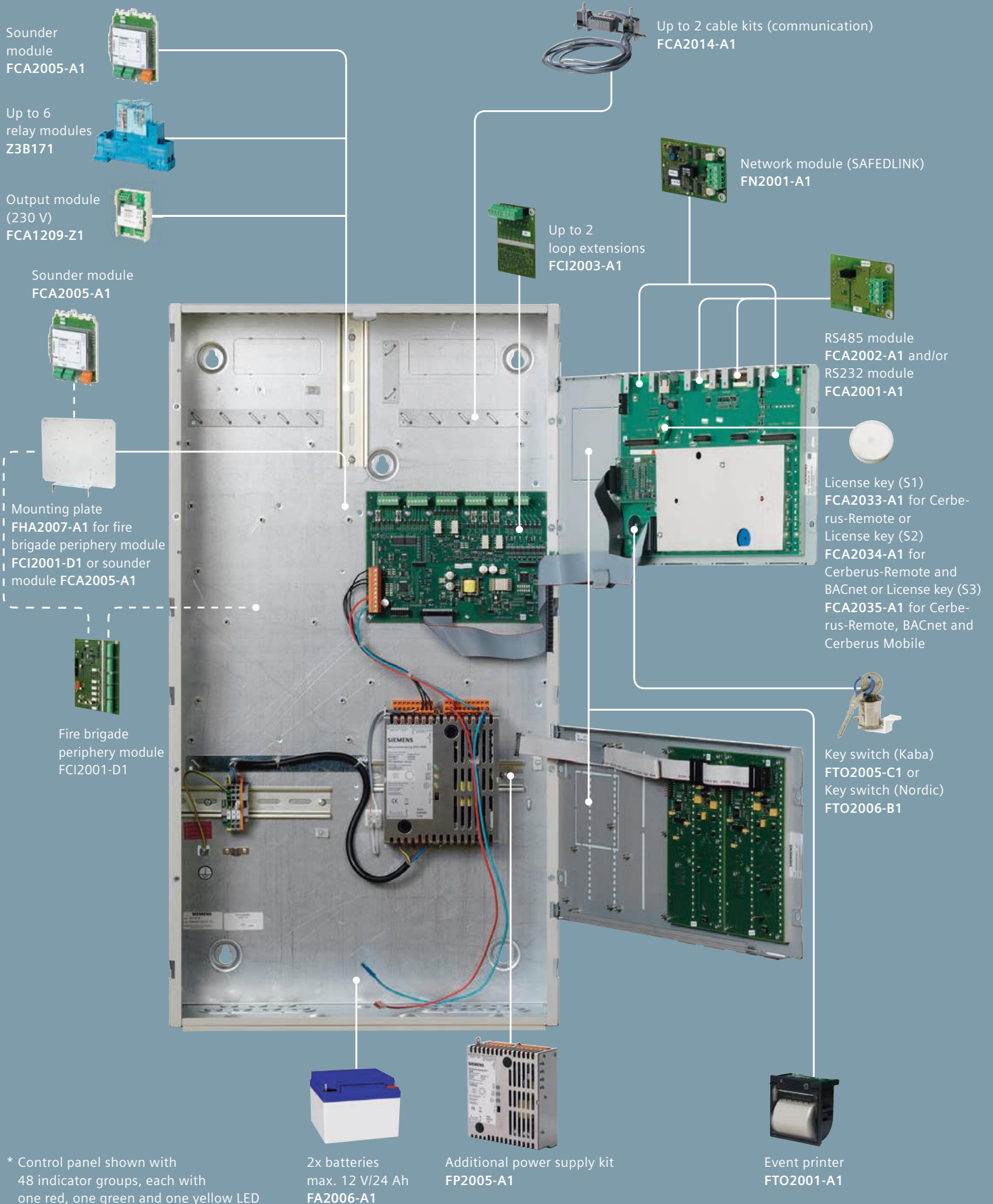
Order No.

Product No.

S54400-C29-A4

FC722-YZ

# Networkable addressable fire control panel FC722 Comfort\*



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

## Addressable fire control network participants FC72x networkable fire control panels FC722 series

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

FC722-ZA

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

Data sheet	A6V10206525
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.4 V
Operating current	Max. 5 A
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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2035-A1 Mounting kit (marine) FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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



Order No.  
S54400-C29-A2

Product No.  
FC722-ZA

## Addressable fire control network participants

### FC72x networkable fire control panels

#### FC722 series

##### FC722-ZE



4

#### 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, one green and one yellow LED.

Data sheet	A6V10206525
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.4 V
Operating current	Max. 5 A
Battery capacity	2x 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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2035-A1 Mounting kit (marine) FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

Order No.

Product No.

S54400-C29-A1

**FC722-ZE**

## Addressable fire control network participants FC72x networkable fire control panels FC722 series

### Fire control panel (2-loop) in housing (Comfort) with EVAC operating unit

FC722-HA

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

With 10 evacuation operating zones for Netherlands.

Data sheet	A6V10206525
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.4 V
Operating current	Max. 5 A
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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT interface set FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event Printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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



4

Order No.

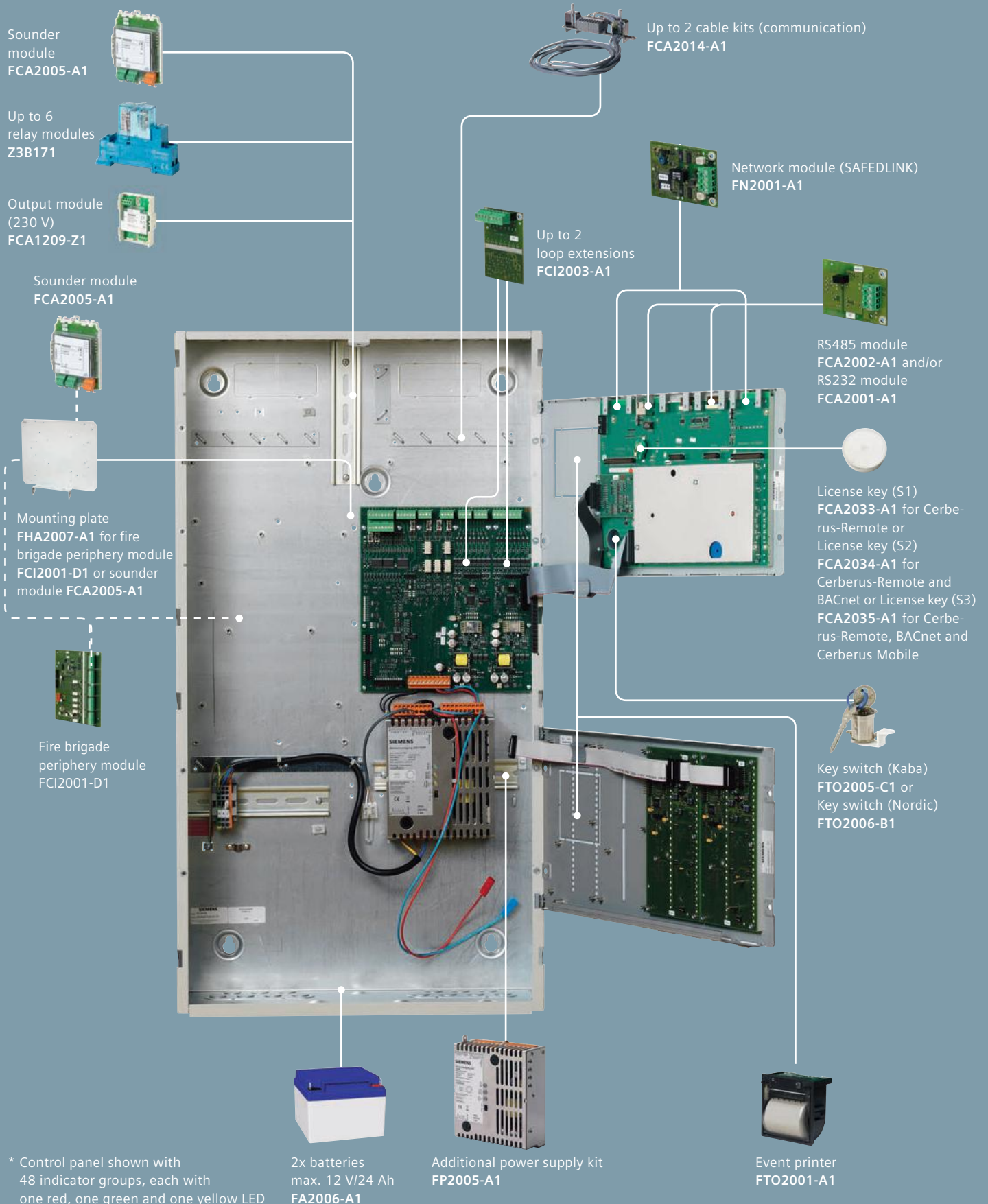
Product No.

S54400-C29-A3

FC722-HA



# Networkable addressable fire control panel FC724 Comfort\*



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



**Fire control panel (4-loop)**

**FC724..**

The FC724.. (4-loop, expandable to 8) is a compact fire control panel with an integrated operating unit that can process signals from Cerberus™ PRO devices of up to 504 addresses. The fire control panel can be used as a standalone 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.

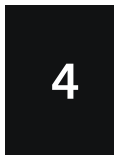
Detection and automatic read-in (auto-configuration) of all C-NET devices, providing immediate simple operation.

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.

Data sheet	A6V10207176
Detector compatibility	Cerberus PRO FD720
Number of addresses	Max. 504
Number of detector lines	4 (8) loops or 8 (16) stub lines
Programmable input/output	12
Relay outputs	1x RT alarm 1x RT fault
Supervised output	1x RT alarm 1x RT fault 2x horn
Emergency power supply	Up to 72 h (optional)
Plug-in position	2 -> for serial interfaces RS232, RS485 2 -> for network modules 2 -> for loop extension (C-NET)
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray



## Addressable fire control network participants

### FC72x networkable fire control panels

#### FC724 series

##### FC724-ZA

##### Fire control panel (4-loop)

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

Data sheet	A6V10207176
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 5 A
Battery capacity	2x 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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2035-A1 Mounting kit (marine) FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

Order No.

Product No.

S54400-C30-A2

**FC724-ZA**

## Addressable fire control network participants FC72x networkable fire control panels FC724 series

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

FC724-ZE

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

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

Data sheet	A6V10207176
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 5 A
Battery capacity	2x 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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-A1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FHA2035-A1 Mounting kit (marine) FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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



Order No.  
S54400-C30-A3

Product No.  
FC724-ZE

## Addressable fire control network participants

### FC72x networkable fire control panels

#### FC724 series

##### 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.

Data sheet	A6V10207176
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 5 A
Battery capacity	2x 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 (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT Interface set FH7202-Z3 Housing (Standard) FH7203-Z3 Housing (Comfort) FHA2007-A1 Mounting plate FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2005-A1 Power supply kit (150 W, B) FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer (Extern) FCA1209-Z1 Output module (230 V) 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

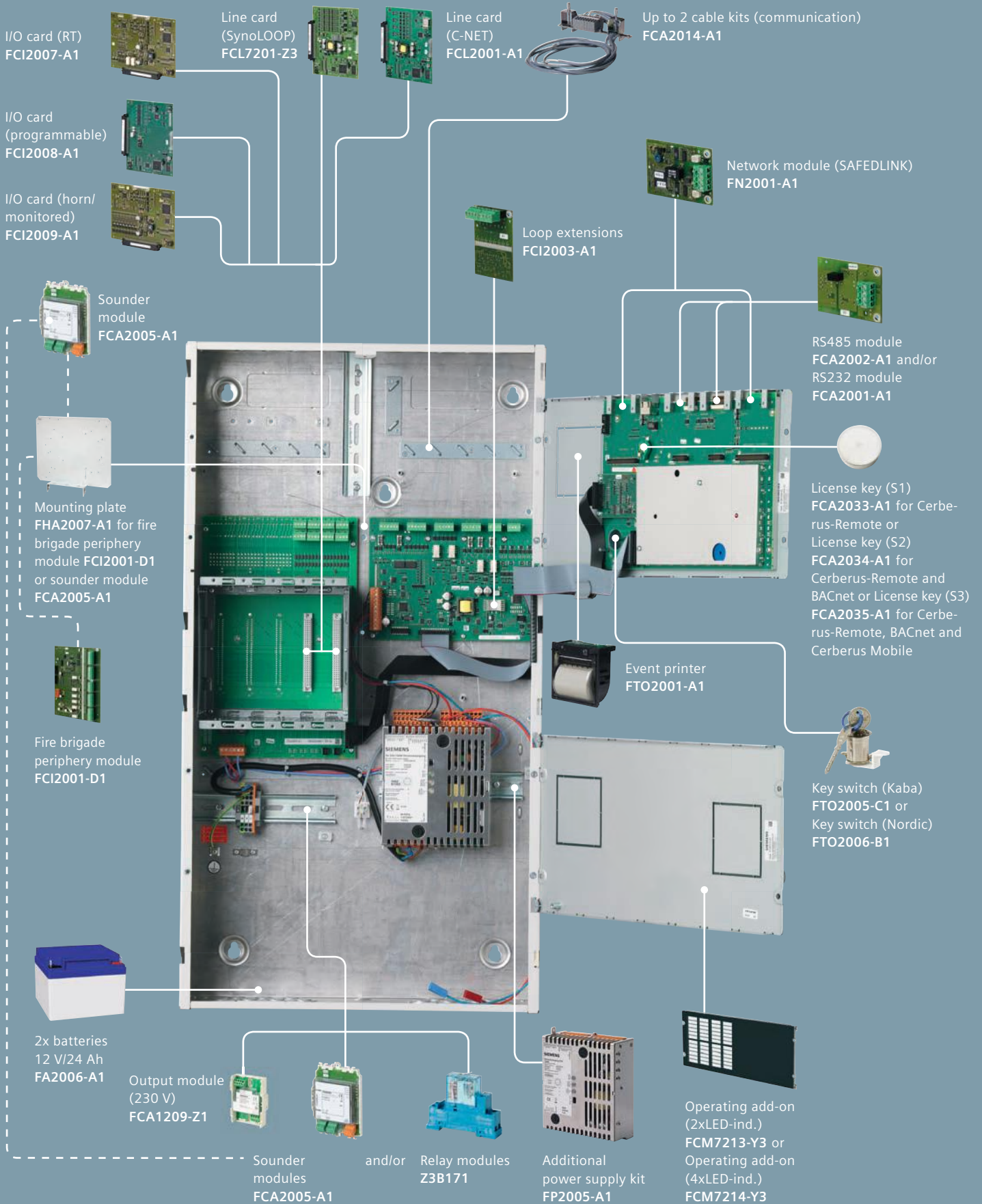
Order No.

Product No.

S54400-C30-A1

**FC724-HA**

# Networkable addressable modular fire control panel FC723



## Addressable fire control network participants

### FC72x networkable and modular fire control panels

#### FC723 series

#### FC723..

#### Fire control panel FC723.. (modular)

The FC723.. (2-loop, expandable to 12 loops) is a modular fire control panel with an integrated operating unit that can process signals from Cerberus™ PRO devices of up to 756 addresses. A card cage in the basic fire control panel equipment is used for installation of additional line cards or I/O cards. A mix of up to 2 cards max. is possible.

Line and I/O cards can be exchanged without removing power from control panel.

The fire control panel can be used as a standalone 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 FC723.. is ideally suited for large-sized applications, e.g. in industrial plants, regional banks, office complexes, etc. The FC723.. with flexible cross-linking possibilities can also be used for extensive systems. The expansion and accessories must be ordered separately.

Data sheet	A6V10379246
Detector compatibility	Cerberus PRO FD720 (C-NET)
Standard	EN 54-2, EN 54-4
Number of addresses	Max. 756
Number of detector lines	Integrated lines: <ul style="list-style-type: none"> <li>• C-NET loops: 2</li> <li>• With loop extension: 4</li> </ul> Extra lines: <ul style="list-style-type: none"> <li>• C-NET (4 loops per line card): Max. 8</li> <li>• SynoLOOP (4 loops per line card): Max. 8</li> </ul> Max 24 (12 per I/O card)
Programmable input/output	Max 24 (12 per I/O card)
Relay outputs	1x RT alarm, 1x RT fault
Supervised output	1x RT alarm, 1x RT fault, 2x horn
Emergency power supply	Up to 72 h (optional)
Plug-in position	2 -> for serial interfaces RS232, RS485 2 -> for network modules 1 -> for loop extension (C-NET) 2 -> for line or I/O cards (card cage)
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 000 50 00, Gray

# Addressable fire control network participants FC72x networkable and modular fire control panels FC723 series

## Fire control panel FC723-ZA (modular)

FC723-ZA

See FC723.. for technical overview and note the additional / other specifications:

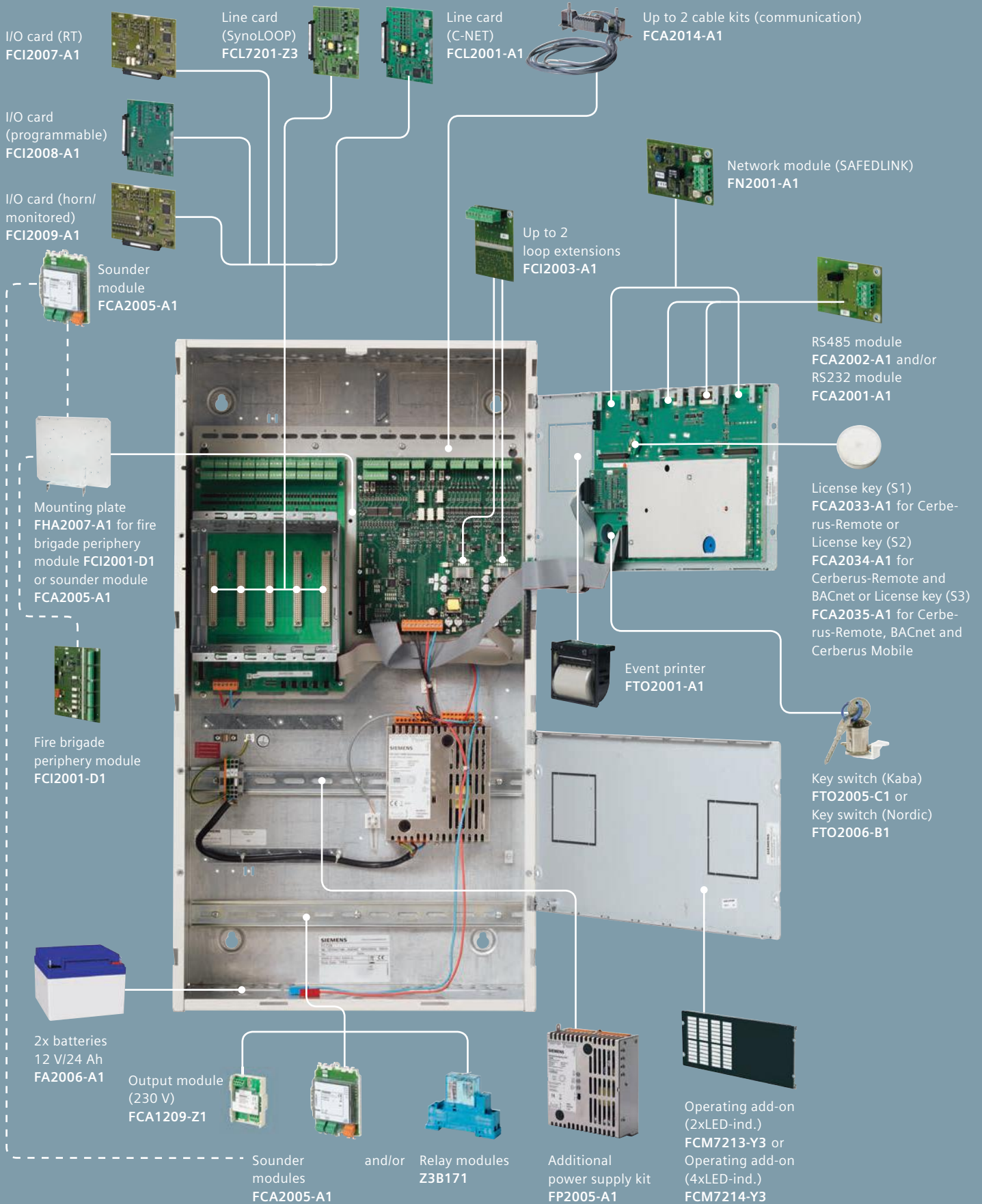


Data sheet	A6V10379246
Power supply	150 W
Mains voltage	AC 98...127 V / AC 196...253 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 5 A
Battery capacity	2 x 12 V, 26 Ah
Cabinet dimensions (W x H x D)	430 x 796 x 160 mm (without cover cap) 430 x 796 x 188 mm (with cover cap)
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-D1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT Interface set FCI2007-A1 I/O card (RT) FCI2008-A1 I/O card FCI2009-A1 I/O card (horn/monitored) FCL2001-A1 Line card (C-NET) FCL7201-Z3 Line card (SynoLOOP) FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FCM7221-H3 Operating add-on (2x EVAC) FH7204-Z3 Housing (Large Extension) FH7205-Z3 Housing (Large) FHA2007-A1 Mounting plate FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B) FP2015-A1 Power supply (70 W) FT2003-N1 Mimic display driver (EVAC) FTI2002-N1 EVAC-NL connector board FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer external FCA1209-Z1 Output module (230 V) 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 with 1 contact

	Order No.	Product No.
	S54400-C143-A1	FC723-ZA



# Networkable addressable modular fire control panel FC726



**Fire control panel (modular)**

**FC726..**

The FC726.. (4-loop, expandable to 28 loops) is a modular fire control panel with an integrated operating unit that can process signals from Cerberus™ PRO devices of up to 1512 addresses. A card cage in the basic fire control panel equipment is used for installation of additional line cards or I/O cards. A mix of up to 5 cards max. is possible. Line and I/O cards can be exchanged without removing power from control panel.

The fire control panel can be used as a standalone 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 FC726.. is ideally suited for very large and complex buildings, e.g. office buildings, university campuses, etc. The FC726.. with flexible cross-linking possibilities can also be used for extensive systems. The expansion and accessories must be ordered separately.

Data sheet	A6V10263277
Detector compatibility	Cerberus PRO FD720
Standard	EN 54-2, EN 54-4
Number of addresses	Max. 1512
Number of detector lines	Integrated lines: <ul style="list-style-type: none"> <li>• C-NET loops: 4</li> <li>• With loop extension: 8</li> </ul> Extra lines: <ul style="list-style-type: none"> <li>• C-NET (4 loops per line card): Max. 20</li> <li>• SynoLOOP (4 loops per line card): Max. 20</li> </ul> Max. 60 (12 per card)
Programmable input/output	Max. 60 (12 per card)
Relay outputs	1 x RT alarm; 1 x RT fault
Supervised output	1x RT alarm, 1x RT fault, 2x horn
Emergency power supply	Up to 72 h (optional)
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 % rel. (no condensation)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray



Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**FC726 series**

**FC726-ZA**

**Fire control panel (modular)**

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



4

Data sheet	A6V10263277
Power supply	150 W
Mains voltage	AC 230 V
Operating voltage	DC 21...28.6 V
Operating current	Max. 5 A
Battery capacity	2x 12 V, 45 Ah
Cabinet dimensions (W x H x D)	430 x 796 x 260 mm (without cover cap) 430 x 796 x 288 mm (with cover cap)
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2005-A1 Sounder module FCA2031-A1 Connection module (MoNet) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) FCI2001-D1 Fire brigade periphery module FCI2003-A1 Loop extension (FDnet/C-NET) FCI2005-N1 RT Interface set FCI2007-A1 I/O card (RT) FCI2008-A1 I/O card FCI2009-A1 I/O card (horn/monitored) FCL2001-A1 Line card (C-NET) FCL7201-Z3 Line card (SynoLOOP) FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FCM7221-H3 Operating add-on (2x EVAC) FH7204-Z3 Housing (Large Extension) FH7205-Z3 Housing (Large) FHA2007-A1 Mounting plate FN2001-A1 Network module (SAFEDLINK) FN2006-A1 Fiber network module (SM) FN2007-A1 Fiber network module (MM) FN2012-A1 Ethernet Switch (modular) FP2004-A1 Power supply kit (150 W, A) FP2005-A1 Power supply kit (150 W, B) FP2015-A1 Power supply (70 W) FT2003-N1 Mimic display driver (EVAC) FTI2002-N1 EVAC-NL connector board FTO2001-A1 Event printer NK8237.2 Modbus Gateway VN2001-A1 Ethernet Module (electric/CAT5) VN2002-A1 Ethernet Module (MM) VN2003-A1 Ethernet Module (SM)
Accessories	DL3750+ Matrix printer external FCA1209-Z1 Output module (230 V) 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 with 1 contact

Order No.	Product No.
S54400-C87-A1	<b>FC726-ZA</b>

## Addressable fire control network participants FC72x networkable and modular fire control panels Expansion FC72x

### Loop extension (FDnet/C-NET)

**FCL2003-A1**

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



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

Order No.	Product No.
A5Q00010136	FCL2003-A1

### Line card (FDnet/C-NET)

**FCL2001-A1**

The line card is an additional card for integrated FDnet/C-NET lines, mounted in card cage of fire control panel (modular). It is used to expand the fire control panel (modular) 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
Input current	Max. 0.8 A
Number of addresses	Max. 252

Order No.	Product No.
A5Q00009875	FCL2001-A1

### Line card (SynoLOOP)

**FCL7201-Z3**

The line card (SynoLOOP) FCL7201-Z3 is a module bus card for installation in fire control panels with a card cage.

Four loops or four stubs can be connected to the line card (SynoLOOP). 128 devices can be connected per loop.

The line card has the following properties:

- A maximum of 128 SynoLOOP devices per loop
- Maximum loop length 2000 m
- SynoLOOP device types that can be connected: automatic fire detectors, manual call points and I/O devices
- Monitors for short-circuit and open line



Data sheet	A6V10263277
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Order No.	Product No.
S54400-A116-A1	FCL7201-Z3

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Expansion FC72x**

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**FCI2007-A1**

**I/O card (RT)**



For the transmission of alarms and faults. The card is mounted in the card cage of the fire control panel (modular).

2x monitored outputs for RT alarm / horns

1x relay output RT alarm

1x monitored output RT fault

1x relay output RT fault

2x I/O

Exchange of defective cards possible during operation (hot plug)

Data sheet

A6V10263277

Order No.

Product No.

S54400-A20-A1

**FCI2007-A1**

**FCI2008-A1**

**I/O card (programmable)**



The I/O card is an additional card with programmable inputs and outputs for expansion of the integrated inputs and outputs. The card is mounted in the card cage of the fire control panel (modular).

Programmable input/output

12

Input current

Max. 2 A

Order No.

Product No.

S54400-A6-A1

**FCI2008-A1**

**FCI2009-A1**

**I/O card (horn/monitored)**



For 8 monitored horn lines or monitored outputs. The card is mounted in the card cage of the fire control panel (modular).

8x monitored outputs, configurable as supervised horn outputs / flashing lights or fire controls.

Max. 2 A / output

Max. 4 A / card

Exchange of defective cards possible during operation (hot plug).

Order No.

Product No.

S54400-A21-A1

**FCI2009-A1**

**FCA2033-A1**

**License key (S1)**



iButton with license for:

Sinteso -> SintesoView and BACnet to 3rd party (supervision only)

Cerberus PRO -> Cerberus-Remote and BACnet to 3rd party (supervision only)

One license key is required per station.

Order No.

Product No.

S54400-P154-A1

**FCA2033-A1**

## Addressable fire control network participants FC72x networkable and modular fire control panels Expansion FC72x

### License key (S2)

FCA2034-A1

iButton with license for:

Sinteso -> SintesoView and BACnet to 3rd party (supervision + basic command)

Cerberus PRO -> Cerberus-Remote and BACnet to 3rd party (supervision + basic command)

One license key is required per station.



Order No.

Product No.

S54400-P155-A1

FCA2034-A1

### License key (S3)

FCA2035-A1

iButton with license for:

Sinteso -> SintesoView , BACnet to 3rd party (supervision + extended command) and Sinteso Mobile

Cerberus PRO -> Cerberus-Remote, BACnet to 3rd party (supervision + extended command) and Cerberus

Mobile

One license key is required per station.



Order No.

Product No.

S54400-P156-A1

FCA2035-A1

### Event printer

FTO2001-A1

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

Order No.

Product No.

A5Q00010126

FTO2001-A1

### Mounting plate

FHA2007-A1

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



Order No.

Product No.

A5Q00010151

FHA2007-A1



# Addressable fire control network participants

## FC72x networkable and modular fire control panels

### Expansion FC72x

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#### 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	DC 21...28.6 V
Operating current	Max. 1.6 A
Cable capacity	0.2...1.5 mm <sup>2</sup> / 0.5...2.5 mm <sup>2</sup>
Dimensions (W x H x D)	150 x 190 x 40 mm

Order No. Product No.

A5Q00013100 FCI2001-D1

#### FCI2005-N1



#### RT Interface set

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

Operating voltage	DC 20...30 V
Operating current	Max. 20 mA
Cable capacity	0.4...1.5 mm <sup>2</sup> / 0.2...2.5 mm <sup>2</sup>
Dimensions (W x H x D)	190 x 150 x 36 mm

Order No. Product No.

A5Q00026302 FCI2005-N1

#### FCA2005-A1



#### Sounder module

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

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

Order No. Product No.

A5Q00014866 FCA2005-A1

#### 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
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Order No. Product No.

BPZ:5644780001 TS35\_122



## Addressable fire control network participants FC72x networkable and modular fire control panels Expansion FC72x

### U-rail TS35/7,5/288

TS35\_288

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



Dimensions (W x H) 35 x 288 mm

Order No.	Product No.
BPZ:5644230001	TS35_288

### Housing for input/output modules

FDCH221

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.



Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54312-F3-A1	FDCH221

### 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

Order No.	Product No.
A5Q00004478	A5Q00004478

### Back nut M20

A5Q00004479

Back nut to screwed cable gland M20 x 1.5.



Delivery unit 10 pieces

Order No.	Product No.
A5Q00004479	A5Q00004479

### RS232 module (isolated)

FCA2001-A1

Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back of the operating unit.



Cable capacity	0.2...1.5 mm <sup>2</sup>
Dimensions (W x H x D)	50 x 15 x 70 mm

Order No.	Product No.
A5Q00005327	FCA2001-A1

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Expansion FC72x**

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**FCA2002-A1**



**RS485 module (isolated)**

Module for periphery devices with RS485 interface, e.g. for FAT (GER). Plugged into the backside of the operating unit.

Cable capacity 0.2...1.5 mm<sup>2</sup>  
 Dimensions (W x H x D) 50 x 15 x 70 mm

Order No. A5Q00009923  
 Product No. **FCA2002-A1**

**FH7201-Z3**



**Housing (Eco)**

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

Protection category IP30  
 Color housing/cover ~RAL 7035, Light gray / ~RAL 050 00 00, Gray  
 Cabinet dimensions (W x H x D) 430 x 398 x 80 mm  
 Integral battery space 2x FA2003-A1 (7 Ah)  
 Expansion FTO2001-A1 Event printer  
 FCM7213-Y3 Operating add-on (2xLED-ind.)  
 FCM7214-Y3 Operating add-on (4xLED-ind.)  
 FP2015-A1 Power supply kit (70 W)

Order No. S54400-B72-A1  
 Product No. **FH7201-Z3**

**FH7202-Z3**



**Housing (Standard)**

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

Protection category IP30  
 Color housing/cover ~RAL 7035, Light gray / ~RAL 050 00 00, Gray  
 Cabinet dimensions (W x H x D) 430 x 398 x 160 mm  
 Integral battery space 2x FA2003-A1 (7 Ah) or  
 2x FA2004-A1 (12 Ah) or  
 2x FA2006-A1 (26 Ah)  
 Expansion FCM7213-Y3 Operating add-on (2xLED-ind.)  
 FCM7214-Y3 Operating add-on (4xLED-ind.)  
 FP2015-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

Order No. S54400-B70-A1  
 Product No. **FH7202-Z3**

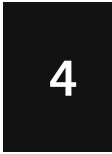
Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Expansion FC72x**

**Housing (Comfort)**

**FH7203-Z3**

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

Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray
Cabinet dimensions (W x H x D)	430 x 796 x 160 mm
Integral battery space	2x FA2003-A1 (7 Ah) or 2x FA2004-A1 (12 Ah) or 2x FA2005-A1 (17 Ah) or 2x FA2006-A1 (26 Ah)
Expansion	FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FP2015-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



Order No.	Product No.
S54400-B71-A1	FH7203-Z3

**Housing (Large Extension)**

**FH7204-Z3**

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

Integral battery space	2x FA2007-A1 (45 Ah) or 2x FA2008-A1 (65 Ah) or 2x FA2009-A1 (100 Ah)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray
Cabinet dimensions (W x H x D)	430 x 398 x 260 mm
Expansion	FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FP2015-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



Order No.	Product No.
S54400-B89-A1	FH7204-Z3

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Expansion FC72x**

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**FH7205-Z3**



**Housing (Large)**

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

Integral battery space

4x FA2006-A1 (26 Ah) or  
 4x FA2007-A1 (45 Ah) or  
 2x FA2008-A1 (65 Ah) or  
 2x FA2009-A1 (100 Ah)

Protection category

IP30

Color housing/cover

~RAL 7035, Light gray / ~RAL 050 00 00, Gray

Cabinet dimensions (W x H x D)

430 x 796 x 260 mm

Expansion

FCM7213-Y3 Operating add-on (2xLED-ind.)

FCM7214-Y3 Operating add-on (4xLED-ind.)

FP2015-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

Order No.

Product No.

S54400-B86-A1

**FH7205-Z3**

**FCM7213-Y3**



**Operating add-on (2xLED-ind.)**

To update 48 LED display groups, with one red, green 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

Order No.

Product No.

S54400-B149-A1

**FCM7213-Y3**

**FCM7214-Y3**



**Operating add-on (4xLED-ind.)**

To update 96 LED display groups, with one red, green 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

Order No.

Product No.

S54400-B150-A1

**FCM7214-Y3**

## Addressable fire control network participants FC72x networkable and modular fire control panels Expansion FC72x

### 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.

**FCM7221-H3**



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

	Order No.	Product No.
	S54400-F78-A1	FCM7221-H3

### Mounting kit (marine)

The purpose of the mounting kit is to fasten a fire control panel in a housing (comfort) to a wall without vibrations and to shield against EMC influences.

**FHA2035-A1**



	Order No.	Product No.
	S54400-S111-A1	FHA2035-A1

### EVAC-NL connector board

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

**FTI2002-N1**



Data sheet	A6V10223093
Supply voltage	DC 20...32 V
Operating current	Max. 190 mA @ DC 21 V
Cable capacity	0.5...1.5 mm <sup>2</sup>
Dimensions (W x H x D)	121 x 130 x 32 mm

	Order No.	Product No.
	S54400-A15-A1	FTI2002-N1

# Addressable fire control network participants

## FC72x networkable and modular fire control panels

### Expansion FC72x

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#### 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.

Data sheet	A6V10223093
Supply voltage	DC 20... 32 V
Operating current	Max. 190 mA @ DC 21 V
Cable capacity	0.5...1.5 mm <sup>2</sup>
Dimensions (W x H x D)	121 x 206 x 47 mm

Order No.	Product No.
S54400-A14-A1	FT2003-N1

#### FP2015-A1



#### Power supply (70 W)

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

Data sheet	A6V10367041
Mains voltage	AC 97...127 V / AC 196...253 V
Supply voltage	AC 97...127 V or AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2 x 12 V, 7 Ah / 12 Ah / 17 Ah
Dimensions (W x H x D)	95 x 170 x 54 mm

Order No.	Product No.
S54400-B121-A1	FP2015-A1

#### 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	AC 115...230 V
Power consumption	Max. 300 VA
Current	2.6 / 1.2 A
Dimensions (W x H x D)	130 x 150 x 70 mm

Order No.	Product No.
A5Q00020825	FP2004-A1

Addressable fire control network participants  
FC72x networkable and modular fire control panels  
Expansion FC72x

**Power supply kit (150 W, B)**

FP2005-A1

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



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

Order No.

Product No.

A5Q00018779

FP2005-A1



Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Network components cluster (C-WEB/SAFEDLINK)**

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**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 of the operating unit.

Cable capacity 0.2...1.5 mm<sup>2</sup>  
 Dimensions (W x H x D) 50 x 20 x 70 mm

Order No.	Product No.
A5Q00012851	FN2001-A1

**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.

Order No.	Product No.
S54400-A109-A1	FN2006-A1

**FN2007-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.

Order No.	Product No.
S54400-A110-A1	FN2007-A1

## Addressable fire control network participants FC72x networkable and modular fire control panels Network components backbone (C-WEB/LAN)

### Modbus Gateway

**NK8237.2**

The NK8237 is used as a gateway between Sinteso, STT20 or Cerberus PRO fire detection systems, and third-party Modbus head-end/automation systems on LAN or over a serial line. It provides for bi-directional Modbus RTU and TCP/IP connectivity to Sinteso, STT20 or Cerberus PRO fire detection systems.



Data sheet	A6V10316240
Approval	CE, FCC
Interface	2 Ethernet lines (10/100Mbit/sec), 2 serial lines, 3 digital inputs, 1 relay output, max. 1 A at DC 30 V
Operating voltage	DC 10...33 V
Power consumption	5 W
Dimensions (W x H x D)	180 x 108 x 80 mm (excluding connectors)
Operating temperature	0...+50 °C
Relative humidity	10...95 % (non condensing)
Expansion	DF8090 Power supply supervision module (external, on I2C bus) NE8001 Wall-mountable, metallic cabinet with DIN rail. Including pre-wired power supply unit

Order No.	Product No.
S54461-C7-A1	NK8237.2

### Ethernet Switch (modular)

**FN2012-A1**

Ethernet switch (modular) FN2012-A1 connects individual clusters via the Ethernet backbone. A second switch can be connected if the clusters require redundancy. Mounting kit FHA2029-A1 allows for easily integrating the Ethernet switch into Fire control panels (only Comfort and Large housing). Each FN2012-A1 contains two slots for different connections via VN200x-A1 modules. The modules must be ordered separately.

The switch uses a specific Sinteso / Cerberus PRO protocol on the backbone.



Order No.	Product No.
S54400-B152-A1	FN2012-A1

### Mounting kit for Ethernet switch

**FHA2029-A1**

Mounting accessories for the installation of the FN2012 Ethernet switch in large and comfort housing.



Order No.	Product No.
S54400-B79-A1	FHA2029-A1

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Network components backbone (C-WEB/LAN)**

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**FCA2031-A1**

**Connection module (MoNet)**



For the communication of monitoring signals and configuration data between the FN2012 Ethernet switch and the PMI & mainboard.

Order No.	Product No.
S54400-A153-A1	FCA2031-A1

**VN2001-A1**

**Ethernet Module (electric/CAT5)**



Ethernet module VN2001-A1 provides one CAT5 output for distances of up to 100m. This module is mounted in the FN2012-A1 modular Ethernet switch.  
 Note: This connection possibility is not approved to EN-54.

Order No.	Product No.
S54400-A42-A1	VN2001-A1

**VN2002-A1**

**Ethernet Module (MM)**



Ethernet module VN2002-A1 provides one multi mode (MM) fiber optic output for distances of up to 4km. This module is mounted in the FN2012-A1 modular Ethernet switch.

Order No.	Product No.
S54400-A43-A1	VN2002-A1

**VN2003-A1**

**Ethernet Module (SM)**



Ethernet module VN2003-A1 provides one single mode (SM) fiber optic output for distances of up to 40km. This module is mounted in the FN2012-A1 modular Ethernet switch.

Order No.	Product No.
S54400-A44-A1	VN2003-A1

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Accessories FC72x**

**Key switch (Kaba)**

**FTO2005-C1**

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



Order No.

Product No.

A5Q00010113

FTO2005-C1

**Key switch (Nordic)**

**FTO2006-B1**

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).



Order No.

Product No.

A5Q00010129

FTO2006-B1

**Output module (230 V)**

**FCA1209-Z1**

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.



Data sheet	A6V10371354
Operating voltage	DC 14.5...30 V
Operating current	Max. 0.1 mA
Communication protocol	Monitored output line
Protection category	IP30
Operating temperature	-25...+65 °C
Storage temperature	-25...+65 °C
Relay output (NO)	AC 230 V, max. 5 A / DC 30 V, max. 5 A
Relative humidity	≤95 % rel.
Color	Housing -> ~RAL 9010, Pure white
Color housing/cover	~RAL 9010, Pure white / transparent matt
Dimensions (W x H x D)	95 x 23 x 71 mm
Standard	EN 54-18
Accessories	FDCH221 Housing for input/output modules A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.

Product No.

S54400-B124-A1

FCA1209-Z1

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Accessories FC72x**

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**Z3B171**



**Relay module with 1 contact**

The relay module is an additional fire event control module, activated by the fire control panel's control output.

Contact rating AC 250 V / 10 A  
 Delivery unit 10 pieces

Order No. Product No.  
 BPZ:4843830001 **Z3B171**

**FHA2017-A1**



**Flush mounting bezel one HU**

Optimal bezel for flush mounting installation for all fire control panels and operating terminals.

Color ~RAL 9010, Pure white  
 Dimensions (W x H) 530 x 500 mm

Order No. Product No.  
 A5Q00024719 **FHA2017-A1**

**FHA2015-A1**



**Flush mounting bezel two HU**

Optimal bezel for flush mounting installation for all fire control panels and operating terminals.

Color ~RAL 9010, Pure white  
 Dimensions (W x H) 530 x 886 mm

Order No. Product No.  
 A5Q00024621 **FHA2015-A1**

**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

Order No. Product No.  
 A5Q00020179 **FHA2016-A1**

Addressable fire control network participants  
**FC72x networkable and modular fire control panels**  
**Accessories FC72x**

**Cable kit (communication)**

**FCA2014-A1**

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



Order No.  
A5Q00023027

Product No.  
FCA2014-A1

**Matrix printer external**

**DL3750+**

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 Sinteso and Cerberus PRO fire control panel. The configured type of event is printed with maximum 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
Operating temperature	+5...+38 °C
Storage temperature	-15...+60 °C
Character set	6
Relative humidity	≤95 % rel. (no condensation)
Interfaces	RS232 or Ethernet (via Print Server PS01a)
Resolution	360 x 360 dpi
Dimensions (W x H x D)	415 x 120 x 330 mm

Order No.  
A5Q00023962

Product No.  
DL3750+

**Housing for input/output modules**

**FDCH221**

Housing with seal for the mounting of several devices for wet applications. The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20



Order No.  
S54312-F3-A1

Product No.  
FDCH221

**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
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Order No.  
A5Q00004478

Product No.  
A5Q00004478

Addressable fire control network participants  
FC72x networkable and modular fire control panels  
Accessories FC72x

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A5Q00004479



**Back nut M20**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004479

A5Q00004479

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## Addressable fire control network participants FT724 networkable fire operating terminals FT724 operating terminal to FC72x

### Fire terminal

FT724..

The FT724.. fire terminal is an operating panel remote from the central control panel that can be operated with its own power supply as well, as an option. The operating unit has installation slots for optional interfaces such as RS232, RS485, networking modules (SAFEDLINK) and a key switch. 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. The optional power supply i.e. power supply kit (70 W) and batteries 2x 12 V / 7 Ah must be ordered separately.

Data sheet	A6V10207898
Quiescent current	125 mA
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 % rel. (no condensation)
Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray

### Fire terminal

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

Data sheet	A6V10207898
Power supply	70 W (optional)
Operating voltage	DC 21...28.6 V
Battery capacity	Max. 2x 12 V / 7 Ah (optional)
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm (without cover cap) 430 x 398 x 108 mm (with cover cap)
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) 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 switch NK8237.2 Modbus Gateway FP2015-A1 Power supply kit (70 W) FTO2001-A1 Event printer
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)

FT724-ZZ



Order No.	Product No.
S54400-C31-A2	FT724-ZZ

## Addressable fire control network participants

### FT724 networkable fire operating terminals

#### FT724 operating terminal to FC72x

##### FT724-HZ



##### Fire terminal with EVAC operating unit

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

With 10 evacuation operating zones for Netherlands.

Data sheet	A6V10207898
Power supply	70 W (optional)
Operating voltage	DC 21...28.6 V
Battery capacity	Max. 2x 12 V / 7 Ah (optional)
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm (without cover cap) 430 x 398 x 108 mm (with cover cap)
Expansion	FCA2001-A1 RS232 module (isolated) FCA2002-A1 RS485 module (isolated) FCA2033-A1 License key (S1) FCA2034-A1 License key (S2) FCA2035-A1 License key (S3) 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 switch NK8237.2 Modbus Gateway FP2015-A1 Power supply kit (70 W)
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)

Order No.

Product No.

S54400-C31-A1

FT724-HZ

## Addressable fire control network participants FT724 networkable fire operating terminals Expansion FT724

### License key (S1)

FCA2033-A1

iButton with license for:  
Sinteso -> SintesoView and BACnet to 3rd party (supervision only)  
Cerberus PRO -> Cerberus-Remote and BACnet to 3rd party (supervision only)  
One license key is required per station.



Order No.	Product No.
S54400-P154-A1	FCA2033-A1

### License key (S2)

FCA2034-A1

iButton with license for:  
Sinteso -> SintesoView and BACnet to 3rd party (supervision + basic command)  
Cerberus PRO -> Cerberus-Remote and BACnet to 3rd party (supervision + basic command)  
One license key is required per station.



Order No.	Product No.
S54400-P155-A1	FCA2034-A1

### License key (S3)

FCA2035-A1

iButton with license for:  
Sinteso -> SintesoView , BACnet to 3rd party (supervision + extended command) and Sinteso Mobile  
Cerberus PRO -> Cerberus-Remote, BACnet to 3rd party (supervision + extended command) and Cerberus Mobile  
One license key is required per station.



Order No.	Product No.
S54400-P156-A1	FCA2035-A1

### Event printer

FTO2001-A1

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

Order No.	Product No.
A5Q00010126	FTO2001-A1

# Addressable fire control network participants

## FT724 networkable fire operating terminals

### Expansion FT724

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#### FCA2001-A1



#### RS232 module (isolated)

Module for periphery devices with RS232 interface, e.g. for event printer FTO2001-A1. Plugged into the back of the operating unit.

Cable capacity 0.2...1.5 mm<sup>2</sup>  
 Dimensions (W x H x D) 50 x 15 x 70 mm

Order No. A5Q00005327  
 Product No. FCA2001-A1

#### FCA2002-A1



#### RS485 module (isolated)

Module for periphery devices with RS485 interface, e.g. for FAT (GER). Plugged into the backside of the operating unit.

Cable capacity 0.2...1.5 mm<sup>2</sup>  
 Dimensions (W x H x D) 50 x 15 x 70 mm

Order No. A5Q00009923  
 Product No. FCA2002-A1

#### 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 of the operating unit.

Cable capacity 0.2...1.5 mm<sup>2</sup>  
 Dimensions (W x H x D) 50 x 20 x 70 mm

Order No. A5Q00012851  
 Product No. FN2001-A1

#### FN2012-A1



#### Ethernet Switch (modular)

Ethernet switch (modular) FN2012-A1 connects individual clusters via the Ethernet backbone. A second switch can be connected if the clusters require redundancy. Mounting kit FHA2029-A1 allows for easily integrating the Ethernet switch into Fire control panels (only Comfort and Large housing). Each FN2012-A1 contains two slots for different connections via VN200x-A1 modules. The modules must be ordered separately.

The switch uses a specific Sinteso / Cerberus PRO protocol on the backbone.

Order No. S54400-B152-A1  
 Product No. FN2012-A1

**Mounting kit for Ethernet switch**

**FHA2029-A1**

Mounting accessories for the installation of the FN2012 Ethernet switch in large and comfort housing.



Order No.	Product No.
S54400-B79-A1	FHA2029-A1

**Ethernet Module (electric/CAT5)**

**VN2001-A1**

Ethernet module VN2001-A1 provides one CAT5 output for distances of up to 100m. This module is mounted in the FN2012-A1 modular Ethernet switch.  
 Note: This connection possibility is not approved to EN-54.



Order No.	Product No.
S54400-A42-A1	VN2001-A1

**Ethernet Module (MM)**

**VN2002-A1**

Ethernet module VN2002-A1 provides one multi mode (MM) fiber optic output for distances of up to 4km. This module is mounted in the FN2012-A1 modular Ethernet switch.



Order No.	Product No.
S54400-A43-A1	VN2002-A1

**Ethernet Module (SM)**

**VN2003-A1**

Ethernet module VN2003-A1 provides one single mode (SM) fiber optic output for distances of up to 40km. This module is mounted in the FN2012-A1 modular Ethernet switch.



Order No.	Product No.
S54400-A44-A1	VN2003-A1

# Addressable fire control network participants

## FT724 networkable fire operating terminals

### Expansion FT724

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#### FCA2031-A1

#### Connection module (MoNet)



For the communication of monitoring signals and configuration data between the FN2012 Ethernet switch and the PMI & mainboard.

Order No.	Product No.
S54400-A153-A1	FCA2031-A1

#### FH7201-Z3

#### Housing (Eco)



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

Protection category	IP30
Color housing/cover	~RAL 7035, Light gray / ~RAL 050 00 00, Gray
Cabinet dimensions (W x H x D)	430 x 398 x 80 mm
Integral battery space	2x FA2003-A1 (7 Ah)
Expansion	FTO2001-A1 Event printer FCM7213-Y3 Operating add-on (2xLED-ind.) FCM7214-Y3 Operating add-on (4xLED-ind.) FP2015-A1 Power supply kit (70 W)

Order No.	Product No.
S54400-B72-A1	FH7201-Z3

#### FP2015-A1

#### Power supply (70 W)



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

Data sheet	A6V10367041
Mains voltage	AC 97...127 V / AC 196...253 V
Supply voltage	AC 97...127 V or AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2 x 12 V, 7 Ah / 12 Ah / 17 Ah
Dimensions (W x H x D)	95 x 170 x 54 mm

Order No.	Product No.
S54400-B121-A1	FP2015-A1

Addressable fire control network participants  
**FT724 networkable fire operating terminals**  
**Accessories FT724**

**Key switch (Kaba)**

**FTO2005-C1**

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



Order No.

Product No.

A5Q00010113

FTO2005-C1

**Key switch (Nordic)**

**FTO2006-B1**

Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (operating unit).



Order No.

Product No.

A5Q00010129

FTO2006-B1

**19" mounting kit**

**FHA2016-A1**

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



Order No.

Product No.

A5Q00020179

FHA2016-A1

**Flush mounting bezel one HU**

**FHA2017-A1**

Optimal bezel for flush mounting installation for all fire control panels and operating terminals.

Color

~RAL 9010, Pure white

Dimensions (W x H)

530 x 500 mm



Order No.

Product No.

A5Q00024719

FHA2017-A1

**Cable kit (communication)**

**FCA2014-A1**

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



Order No.

Product No.

A5Q00023027

FCA2014-A1



Addressable fire control network participants  
**FT724 networkable fire operating terminals**  
**Accessories FT724**

**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 Sinteso and Cerberus PRO fire control panel. The configured type of event is printed with maximum 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
Operating temperature	+5...+38 °C
Storage temperature	-15...+60 °C
Character set	6
Relative humidity	≤95 % rel. (no condensation)
Interfaces	RS232 or Ethernet (via Print Server PS01a)
Resolution	360 x 360 dpi
Dimensions (W x H x D)	415 x 120 x 330 mm

Order No.	Product No.
A5Q00023962	<b>DL3750+</b>

## Cerberus Mobile

With Cerberus Mobile, customers can access their Cerberus PRO fire protection system from around the globe via UMTS connection, using a mobile device. The app offers the same full view, full control and full commands as the fire control terminal. It provides real-time information and enables mobile intervention management. Cerberus Mobile is ideal for security officers, end customers and facility managers.

### Features and functions:

- Display and filtering of notifications by category
- Commands can be entered depending on the selected EN 54 access level, e.g. "Enable/Disable" zones, controls.
- Categories for notification can be configured in foreground or background.
- Notification sound for alarms can be configured.
- Control buttons, "Confirm", "Reset", "Acoustic signals" and "Alarm delay off" are available, depending on access level.

### Security requirements:

Cerberus Mobile is used to establish an IP connection to the fire detection system. If the connection between the F720 system and Cerberus Mobile is made across public networks, then a connection must be installed to the Internet.

Therefore, the following security guidelines must be observed:

- A VPN tunnel is to be used for a safe connection.
- The mobile devices are to be individually approved using their IMEI numbers (International Mobile Station Equipment Identity).

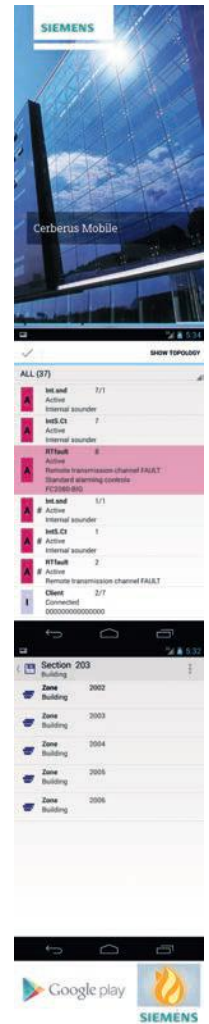
### Expansion:

In order to use the app with the fire control panel, the license key S3 is required. Only one license key is required per system.

### Availability:

Available via Google Play Store for smartphone and tablet.  
Android operating system version 4.1 or later.

## Cerberus Mobile



Order No.

S54400-P156-A1

Product No.

FCA2035-A1





## Fire detection – Conventional fire peripherals



### Conventional fire detection – efficiency meets effectiveness

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 friendly design
- Superior resistance to contamination and electromagnetic interference
- Drift compensation
- Short-circuit-proof output for the connection of external alarm indicators
- Wide variation of accessories for countless applications
- 3 color LED for faster fault finding

# Conventional fire detectors – point detectors



\* cannot be used together with RS720

### Multi-sensor smoke detector, ASA

OOH740

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 mode you have the possibility to choose between three parameter sets: Standard Plus (PS1), Suppression (PS5) and High Sensitive Fast (PS9).

The base must be ordered separately.

#### Scope of delivery

Detector and dust cap



Data sheet	A6V10284161
Standard	CEA 4021, EN 54-5, EN 54-7, EN 54-17
Protection category	IP40 IP44 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-25...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~170...250 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET or collective/conventional
Relative humidity	≤95 % rel.
Dimensions (Ø x H)	117 x 49 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

Order No.	Product No.
S54320-F7-A3	OOH740

### Detector base (parameter set 1)

DB110

Standard conventional / collective detector base for all 110-series and OOH740 point detectors. Selects parameter set 1 within detectors.

For recess supply wiring or for surface supply wiring, cable diameter up to 8 mm.



Data sheet	A6V10301051
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F5-A1	DB110

## Conventional fire peripherals

### Conventional and collective line

### ASAt echnology detectors

DB721D



#### Detector base

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<sup>2</sup>. Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.

For the OOH740 point detector of the series Cerberus PRO in conventional mode when connected on detector lines compliant to BS 5839 (part 1).

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 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole FDBZ291 Designation plate RS720 Detector base seal

Order No.	Product No.
S54319-F15-A1	DB721D

#### Accessories for OOH740

LP720



#### Detector locking device

Threaded pin M3 x 12 to protect detector against theft.

##### Scope of delivery

2 hexagonal wrenches  
100 threaded pins

Data sheet	A6V10202198
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Order No.	Product No.
S54319-F9-A1	LP720

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 Suppression (PS5).

Delivery unit	25 pieces
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Order No.	Product No.
S54319-F16-A1	PSR720-1

PSR720-2



#### Parameter set resistor 68k

Preassembled resistors complete with spade terminals suitable for easy installation into DB110 and DB721D detector bases to set the OOH740 detector into parameter set High Sensitive Fast (PS9).

Delivery unit	25 pieces
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Order No.	Product No.
S54319-F17-A1	PSR720-2



### Designation plate

FDBZ291

To identify the location address for detector bases.



Data sheet	007775
Color	Transparent
Dimensions (W x H)	62 x 35 mm
Delivery unit	10 pieces

Order No.	Product No.
A5Q00002621	FDBZ291

### Base attachment

BA720

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.



Data sheet	A6V10202198
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	120 x 25 mm

Order No.	Product No.
S54319-F20-A1	BA720

### Base attachment wet

BA721

Base attachment wet with an integrated additional rubber seal for applications in cold or wet environments, and when the detector heating element is used. Six breakout plugs for screwed cable gland M20.



Protection category	Up to IP44, depending on detector type
Color	~RAL 9010, Pure white
Dimensions (W x H x D)	135 x 135 x 41 mm
Accessories	A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate DBZ1194 Protective cage FDBH291 Detector heat

Order No.	Product No.
S54319-F29-A1	BA721

### Detector heating incl. 2 micro terminals

FDBH291

For the operation of fire detectors in critical environments, protection against danger of frost formation or moisture condensation, e.g. in cold storage houses, attics, loading ramps, cheese storage cellars, etc. Optimum function of the detector heating is only ensured with the base attachments wet FDB295 or BA721.



Detector heating is fixed to the base attachment with a spring-loaded catch.

Operating voltage	DC 20...30 V
Operating temperature	-30...+40 °C
Storage temperature	-30...+60 °C
Operating current	35...55 mA

Order No.	Product No.
A5Q00004439	FDBH291

Conventional fire peripherals  
 Conventional and collective line  
 ASAt echnology detectors

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**DBZ1190-AA**



**Micro terminal 0,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4677080001	<b>DBZ1190-AA</b>

**DBZ1190-AB**



**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	<b>DBZ1190-AB</b>

**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
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Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>

**DBZ1194**



**Protective cage**

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

Dimensions (Ø x H)	160 x 126 mm
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Order No.	Product No.
BPZ:4677110001	<b>DBZ1194</b>

**Detector designation plate**

**DBZ1193A**

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 designation plate is connected directly to the base or base attachment.



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

Order No.	Product No.
BPZ:4864330001	<b>DBZ1193A</b>

Conventional fire peripherals  
**Conventional and collective line**  
**110-series detectors**

**OH110**

**Multi-sensor fire detector (collective)**



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).

**Scope of delivery**

Detector and dust cap.

Data sheet	A6V10301051
Operating voltage	DC 16...28 V
Standard	EN 54-7
Operating temperature	-10...+50 °C
Protection category	IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721
Storage temperature	-30...+70 °C
Relative humidity	≤96 % rel.
Dimensions (Ø x H)	117 x 62 mm (incl. base)
Color	~RAL 9010, Pure white
Quiescent current	Max. 100 µA
Communication protocol	Collective / Conventional
Accessories	RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F11-A1	<b>OH110</b>

**Optical smoke detector (collective)**

**OP110**

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).

**Scope of delivery**

Detector and dust cap.



Data sheet	A6V10301051
Operating voltage	DC 16...28 V
Standard	EN 54-7
Operating temperature	-10...+55 °C
Protection category	IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721
Storage temperature	-30...+70 °C
Relative humidity	≤96 % rel.
Dimensions (Ø x H)	117 x 56 mm (incl. base)
Color	~RAL 9010, Pure white
Quiescent current	Max. 100 µA
Communication protocol	Collective / Conventional
Accessories	RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F4-A1	<b>OP110</b>

Conventional fire peripherals  
 Conventional and collective line  
 110-series detectors

HI110



Heat detector (collective, differential)

For areas having high levels of dust, dirt or moisture that may lead to false activating with smoke detectors. Parameter set A1R.

Data sheet	A6V10301051
Operating voltage	DC 16...28 V
Standard	EN 54-7
Operating temperature	-10...+50 °C
Protection category	IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721
Storage temperature	-30...+70 °C
Relative humidity	≤96 % rel.
Dimensions (Ø x H)	117 x 62 mm (incl. base)
Color	~RAL 9010, Pure white
Quiescent current	Max. 100 µA
Communication protocol	Collective / Conventional
Accessories	RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F9-A1	HI110

**Heat detector (collective, static)**

**HI112**

For areas having high levels of dirt or temperature fluctuation that may lead to false activating with smoke detectors.  
 Selectable detection behavior by two parameter sets: parameter set 1 (A2S) and parameter set 2 (B).



Data sheet	A6V10301051
Operating voltage	DC 16...28 V
Standard	EN 54-7
Operating temperature	-10...+50 °C
Protection category	IP40 IP42 with detector base seal RS720 IP44 when used with BA721
Storage temperature	-30...+70 °C
Relative humidity	≤96 % rel.
Dimensions (Ø x H)	117 x 62 mm (incl. base)
Color	~RAL 9010, Pure white
Quiescent current	Max. 100 µA
Communication protocol	Collective / Conventional
Accessories	RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F10-A1	HI112

**Detector base (parameter set 1)**

**DB110**

Standard conventional / collective detector base for all 110-series and OOH740 point detectors. Selects parameter set 1 within detectors.  
 For recess supply wiring or for surface supply wiring, cable diameter up to 8 mm.



Data sheet	A6V10301051
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F5-A1	DB110



Conventional fire peripherals  
**Conventional and collective line**  
**110-series detectors**

5

**DB110D**



**Detector base (parameter set 1)**

Conventional / collective detector base complete with a continuity diode for all 110-series point detectors. Selects parameter set 1 within detectors.  
 For recess supply wiring and for surface supply wiring, cable diameter up to 8 mm.

Data sheet	A6V10301051
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device DBZ1190-AA Micro terminal DBZ1190-AB Connection terminal

Order No.	Product No.
S54372-F6-A1	<b>DB110D</b>

**DB110R**



**Detector base (parameter set 2)**

Conventional / collective detector base complete with a resistor for parameter setting for all 110-series point detectors. Selects parameter set 2 within detectors.  
 For recess supply wiring and for surface supply wiring, cable diameter up to 8 mm.

Data sheet	A6V10301051
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device DBZ1190-AA Micro terminal DBZ1190-AB Connection terminal

Order No.	Product No.
S54372-F7-A1	<b>DB110R</b>

**Detector base (parameter set 2)**

**DB110RD**

Conventional / collective detector base complete with a resistor for parameter setting and continuity diode for all 110-series point detectors. Selects parameter set 2 within detectors.  
 For recess supply wiring and for surface supply wiring, cable diameter up to 8 mm.



Data sheet	A6V10301051
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device DBZ1190-AA Micro terminal DBZ1190-AB Connection terminal

	Order No.	Product No.
	S54372-F8-A1	<b>DB110RD</b>

**Base accessories**

**Detector locking device**

**LP720**

Threaded pin M3 x 12 to protect detector against theft.

**Scope of delivery**  
 2 hexagonal wrenches  
 100 threaded pins



Data sheet	A6V10202198
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	Order No.	Product No.
	S54319-F9-A1	<b>LP720</b>

**Designation plate**

**FDBZ291**

To identify the location address for detector bases.

Data sheet	007775
Color	Transparent
Dimensions (W x H)	62 x 35 mm
Delivery unit	10 pieces



	Order No.	Product No.
	A5Q00002621	<b>FDBZ291</b>

Conventional fire peripherals  
**Conventional and collective line**  
**110-series detectors**

**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.

Data sheet	A6V10202198
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	120 x 25 mm

Order No.	Product No.
S54319-F20-A1	<b>BA720</b>

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**BA721**

**Base attachment wet**



Base attachment wet with an integrated additional rubber seal for applications in cold or wet environments, and when the detector heating element is used. Six breakout plugs for screwed cable gland M20.

Protection category	Up to IP44, depending on detector type
Color	~RAL 9010, Pure white
Dimensions (W x H x D)	135 x 135 x 41 mm
Accessories	A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate DBZ1194 Protective cage FDBH291 Detector heat

Order No.	Product No.
S54319-F29-A1	<b>BA721</b>

**FDBH291**

**Detector heating incl. 2 micro terminals**



For the operation of fire detectors in critical environments, protection against danger of frost formation or moisture condensation, e.g. in cold storage houses, attics, loading ramps, cheese storage cellars, etc. Optimum function of the detector heating is only ensured with the base attachments wet FDB295 or BA721.

Detector heating is fixed to the base attachment with a spring-loaded catch.

Operating voltage	DC 20...30 V
Operating temperature	-30...+40 °C
Storage temperature	-30...+60 °C
Operating current	35...55 mA

Order No.	Product No.
A5Q00004439	<b>FDBH291</b>

### Micro terminal 0,5 mm<sup>2</sup>, 4-pole

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.



Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4677080001	DBZ1190-AA

### Connection terminal 2,5 mm<sup>2</sup>, 3-pole

DBZ1190-AB

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

### 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
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Order No.	Product No.
A5Q00004478	A5Q00004478

### Protective cage

DBZ1194

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



Dimensions (Ø x H)	160 x 126 mm
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Order No.	Product No.
BPZ:4677110001	DBZ1194

Conventional fire peripherals  
Conventional and collective line  
110-series detectors

DBZ1193A

Detector designation plate



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

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

Order No.

Product No.

BPZ:4864330001

**DBZ1193A**

### Alarm indicator - Door frame

FDAI91

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 lights up as soon as a connected fire detector gives an alarm.

Screwless connection terminals.

The alarm indicator is suitable for door frames.



Data sheet	A6V10276520
Protection category	IP40
Operating voltage	DC 5...8 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA
Relative humidity	≤95 % rel.
Cable capacity	Max. 1,5 mm <sup>2</sup>
Dimensions (W x H x D)	62 x 37 x 24 mm
Color	~RAL 9010 Pure white

Order No.

Product No.

S54370-F9-A1

FDAI91

### Alarm indicator - Surface

FDAI92

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 lights up as soon as a connected fire detector gives an alarm.

Screwless connection terminals.

The alarm indicator is suitable for wall mounting.



Data sheet	A6V10276520
Protection category	IP40
Operating voltage	DC 5...8 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA
Relative humidity	≤95 % rel.
Cable capacity	Max. 1,5 mm <sup>2</sup>
Ex-classification	Ex ib IIC T6 (Ta ≤ 55 °C) Ex ib IIC T5 (Ta ≤ 70 °C)
Dimensions (W x H x D)	85 x 85 x 28 mm
Color	~RAL 9010 Pure white
Accessories	A1330 Adapter frame

Order No.

Product No.

S54370-F3-A1

FDAI92

Conventional fire peripherals  
**Conventional and collective line**  
**Alarm indicators**

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**FDAI93**

**Alarm indicator - Flush**



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 FDAI93 requires a 22,5 mm mounting hole.

Data sheet	A6V10276520
Protection category	IP56 with DCA1191 IP65 with DJZ1193
Operating voltage	DC 6...8 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA
Relative humidity	≤95 % rel.
Cable capacity	Max. 1,5 mm <sup>2</sup>
Dimensions (Ø x D)	22 x 51 mm
Color	Transparent
Accessories	DCA1191 Housing (IP56) DJZ1193 Housing (IP65)

Order No.	Product No.
S54370-F5-A1	<b>FDAI93</b>

**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.

Data sheet	007162, 007267, A6V10276522, A6V10229141, 001520, 001679, A6V10276520
Dimensions (W x H x D)	85 x 85 x 16 mm

Order No.	Product No.
BPZ:3169430001	<b>AI330</b>

**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.

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

Order No.	Product No.
BPZ:4588560001	<b>DCA1191</b>



**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

Order No.	Product No.
BPZ:2473130001	BPZ:2473130001

**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

Order No.	Product No.
A5Q00004478	A5Q00004478

**Alarm indicator housing incl. washer**

**DJZ1193**

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



Protection category IP55  
 Dimensions (W x H x D) 87 x 87 x 64 mm  
 Color ~RAL 9010 Pure white

Order No.	Product No.
BPZ:5302950001	DJZ1193

**Mounting bracket**

**MVH1**

For mounting of the alarm indicator housing FDAI93 and detectors in hollow floors.



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

Order No.	Product No.
BPZ:3496190001	MVH1

Conventional fire peripherals  
 Conventional and collective line  
 Conventional MCP with direct operation

5

FDM1101A-RG

Manual call point with glass plate



For immediate manual actuation of a fire alarm. For indoor applications. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the pushbutton 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 back box FDMH295-x must be ordered separately.

Data sheet	A6V10206486
Operating voltage	Max. AC 28 V or DC 28 V
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Operating current	100 mA...max. 1 A
Storage temperature	-30...+75 °C
Terminal block	0.28...1.5 mm <sup>2</sup>
Communication protocol	Conventional/SynoLINE300
Color	~RAL 3000, Flame red
Accessories	FDMH295-R Back Box FDMH295-S Back box with 2 entries FDMC295 Protective cover

Order No.	Product No.
S54371-F6-A3	FDM1101A-RG

FDM1101A-RP

Manual call point with resettable plastic element



For immediate manual actuation of a fire alarm. For indoor applications. 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 back box FDMH295-x must be ordered separately.

Data sheet	A6V10206486
Operating voltage	Max. AC 28 V or DC 28 V
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Operating current	100 mA...max. 1 A
Storage temperature	-30...+75 °C
Terminal block	0.28...1.5 mm <sup>2</sup>
Communication protocol	Conventional/SynoLINE300
Color	~RAL 3000, Flame red
Accessories	FDMH295-R Back box FDMH295-S Back box with 2 entries FDMC295 Protective cover

Order No.	Product No.
S54371-F6-A4	FDM1101A-RP

**Accessories**

**Back box**

**FDMH295-R**

Housing base for manual call points for surface mounting.



Data sheet	A6V10206486, 009023
Dimensions (W x H x D)	87 x 87 x 33 mm
Delivery unit	10 pieces
Color	~RAL 3000 Flame red
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
A5Q00013437	FDMH295-R

**Back box with 2 entries**

**FDMH295-S**

Housing base for manual call points with 2 holes on top fitted with grommet for cable Ø 5 mm for surface mounting.



Data sheet	A6V10206486, 009023
Dimensions (W x H x D)	87 x 87 x 33 mm
Delivery unit	10 pieces
Color	~RAL 3000 Flame red
Accessories	DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
A5Q00013438	FDMH295-S

**Connection terminal 2,5 mm<sup>2</sup>, 3-pole**

**DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

Conventional fire peripherals  
 Conventional and collective line  
 Conventional MCP with direct operation

A5Q00004479

**Back nut M20**



Back nut to screwed cable gland M20 x 1.5.

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004479

A5Q00004479

FDMC295

**Protective cover**



The protective cover protects the manual call points from unintentional glass break.

Data sheet

A6V10206486, 009023

Delivery unit

10 pieces

Color

Transparent

Order No.

Product No.

A5Q00013440

FDMC295

### Manual call point with glass plate

FDM1101-RG

For immediate manual actuation of a fire alarm. For indoor applications. Direct alarm actuation by pushing in the glass plate. By replacing the glass plate the pushbutton 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 back box FDMH295-x must be ordered separately.



Data sheet	A6V10206486
Operating voltage	DC 16...28 V
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Operating current	60...100 mA
Storage temperature	-30...+75 °C
Terminal block	0.28...1.5 mm <sup>2</sup>
Communication protocol	Collective / SynoLINE600
Color	~RAL 3000, Flame red
Accessories	FDMH295-R Back box FDMH295-S Back box with 2 entries FDMC295 Protective cover

Order No.  
 S54371-F6-A1

Product No.  
 FDM1101-RG

### Manual call point with resettable plastic element

FDM1101-RP

For immediate manual actuation of a fire alarm. For indoor applications. 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 back box FDMH295-x must be ordered separately.



Data sheet	A6V10206486
Operating voltage	DC 16...28 V
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11
Dimensions (W x H x D)	87 x 87 x 20 mm
Operating current	60...100 mA
Storage temperature	-30...+75 °C
Terminal block	0.28...1.5 mm <sup>2</sup>
Communication protocol	Collective / SynoLINE600
Color	~RAL 3000, Flame red
Accessories	FDMH295-R Back box FDMH295-S Back box with 2 entries FDMC295 Protective cover

Order No.  
 S54371-F6-A2

Product No.  
 FDM1101-RP

Conventional fire peripherals  
**Conventional and collective line**  
**Collective MCP with direct operation**

Accessories for MCP with Direct Operation

**FDMH295-R**



**Back box**

Housing base for manual call points for surface mounting.

Data sheet A6V10206486, 009023  
 Dimensions (W x H x D) 87 x 87 x 33 mm  
 Delivery unit 10 pieces  
 Color ~RAL 3000 Flame red  
 Accessories A5Q00004478 Screwed cable gland M20  
 A5Q00004479 Back nut M20  
 DBZ1190-AB Connection terminal 2.5 mm<sup>2</sup>, 3-pole

Order No. A5Q00013437 Product No. **FDMH295-R**

**FDMH295-S**



**Back box with 2 entries**

Housing base for manual call points with 2 holes on top fitted with grommet for cable Ø 5 mm for surface mounting.

Data sheet A6V10206486, 009023  
 Dimensions (W x H x D) 87 x 87 x 33 mm  
 Delivery unit 10 pieces  
 Color ~RAL 3000 Flame red  
 Accessories DBZ1190-AB Connection terminal 2.5 mm<sup>2</sup>, 3-pole

Order No. A5Q00013438 Product No. **FDMH295-S**

**DBZ1190-AB**



**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet 001035, 007775  
 Cable capacity 1...2,5 mm<sup>2</sup>  
 Dimensions (W x H x D) 13,5 x 9,5 x 19,5 mm  
 Delivery unit 50 pieces

Order No. BPZ:4942340001 Product No. **DBZ1190-AB**

**A5Q00004478**



**Screwed cable gland M20 x 1.5**

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

Delivery unit 10 pieces

Order No. A5Q00004478 Product No. **A5Q00004478**

Conventional fire peripherals  
 Conventional and collective line  
 Collective MCP with direct operation

**Back nut M20**

A5Q00004479

Back nut to screwed cable gland M20 x 1.5.



Delivery unit 10 pieces

Order No.	Product No.
A5Q00004479	A5Q00004479

**Protective cover**

FDMC295

The protective cover protects the manual call points from unintentional glass break.



Data sheet A6V10206486, 009023  
 Delivery unit 10 pieces  
 Color Transparent

Order No.	Product No.
A5Q00013440	FDMC295





Conventional fire peripherals  
**Conventional and collective line**  
**Collective MCP with direct/indirect operation**

DM1104\_\_

**Collective manual call point**



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.

Data sheet	007980
Operating temperature	-25...+70 °C
Protection category	IP54 (IP65 with protection seal and screwed cable gland)
Standard	EN 54-11
Dimensions (W x H x D)	134 x 134 x 43 mm
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole)

**Products to select from**

DMA1104D	Switching unit collective (single action)
DMA1192-AA	Housing red, with glass and key
DMA1192-AB	Housing blue, with glass and key
DMA1192-AC	Housing yellow, with glass and key
DMA1192-AD	Housing green, with glass and key

Order No.	Product No.
DM1104__	DM1104__

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 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	DC 16...26 V
Operating current	60...100 mA
Terminal block	Min. 0.28...1.5 mm <sup>2</sup>

Order No.	Product No.
A5Q00005925	DMA1104D

## Collective manual call point

DM1103\_\_

Collective manual call point for the immediate manual actuation of a fire alarm by pushing in the glass plate and pressing the pushbutton.  
 The housing DMA1192-xx and the switching unit DMA1103D must be ordered separately.



Data sheet	007980
Operating temperature	-25...+70 °C
Protection category	IP54 (IP65 with protection seal and screwed cable gland)
Standard	EN 54-11
Dimensions (W x H x D)	134 x 134 x 43 mm
Accessories	DMZ1197-AD Protective seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole)

### Products to select from

DMA1103D	Switching unit collective (double action)
DMA1192-AA	Housing red, with glass and key
DMA1192-AB	Housing blue, with glass and key
DMA1192-AC	Housing yellow, with glass and key
DMA1192-AD	Housing green, with glass and key

Order No.	Product No.
DM1103__	DM1103__

## Housing red, with glass and key

Manual call point housing for the switching units DMA110xD.

Data sheet	A6V10236643
Color	~RAL 3000, Flame red



Order No.	Product No.
BPZ:5222870001	DMA1192-AA

## 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 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.

DMA1103D



Data sheet	008246
Operating voltage	DC 16...26 V
Operating current	60...100 mA
Terminal block	Min. 0.28...1.5 mm <sup>2</sup>

Order No.	Product No.
A5Q00004470	DMA1103D

Conventional fire peripherals  
 Conventional and collective line  
 Collective MCP with direct/indirect operation

**DMA1192-AB**



**Housing blue, with glass and key**

Manual call point housing for the switching units DMA110xD.

Color ~RAL 5005, Signal blue

Order No. Product No.  
 BPZ:5464250001 DMA1192-AB

5

**DMA1192-AC**



**Housing yellow, with glass and key**

Manual call point housing for the switching units DMA110xD.

Color ~RAL 1023, Traffic yellow

Order No. Product No.  
 BPZ:5464120001 DMA1192-AC

**DMA1192-AD**



**Housing green, with glass and key**

Manual call point housing for the switching units DMA110xD.

Data sheet A6V10236643

Color ~RAL 6024, Traffic green

Order No. Product No.  
 BPZ:5090190001 DMA1192-AD

### Manual release button complete

DM1103-L

Manual release button DM1103-L for the immediate manual actuation of a gas extinguishing system. For indoor and outdoor applications. 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 pushbutton. To replace the glass plate, open the housing door with the key. The pushbutton must be set back before closing the door again.



Data sheet	007980
Operating temperature	-25...+70 °C
Protection category	IP54 (IP65 with seal DMZ1197-AD)
Standard	EN 12094-3
Dimensions (W x H x D)	134 x 134 x 43 mm
Terminal block	0.28...1.5 mm <sup>2</sup>
Color	~RAL 1023, Traffic yellow
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

Order No.	Product No.
A5Q00017630	DM1103-L

### Emergency stop button complete

DM1103-S

Emergency stop button DM1103-S for the stop function of a gas extinguishing system. For indoor and outdoor applications. 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 pushbutton. 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.



Data sheet	007980
Operating temperature	-25...+70 °C
Protection category	IP54 (IP65 with seal DMZ1197-AD)
Standard	EN 12094-3
Dimensions (W x H x D)	134 x 134 x 43 mm
Terminal block	0.28...1.5 mm <sup>2</sup>
Color	~RAL 5005, Signal blue
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

Order No.	Product No.
A5Q00014486	DM1103-S

Conventional fire peripherals  
 Conventional and collective line  
 Collective MCP with direct/indirect operation

Accessories for MCP with direct/indirect operation

DMZ1197-AD



**Protection seal**

Protects the manual call point in wet applications.  
 The seal improves the manual call point housing's protection category.

Delivery unit 5 pieces

Order No. Product No.  
 BPZ:5470680001 DMZ1197-AD

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DMZ1197-AC



**Protective cover**

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.

Data sheet A6V10236643  
 Delivery unit 5 pieces

Order No. Product No.  
 BPZ:5223550001 DMZ1197-AC

A5Q00004478



**Screwed cable gland M20 x 1.5**

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

Delivery unit 10 pieces

Order No. Product No.  
 A5Q00004478 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.

Delivery unit 10 pieces  
 Color ~RAL 3000, Flame red

Order No. Product No.  
 A5Q00006735 A5Q00006735

### Output module (230 V)

FCA1209-Z1

The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.



Data sheet	A6V10371354
Operating voltage	DC 14.5...30 V
Operating current	Max. 0.1 mA
Communication protocol	Monitored output line
Protection category	IP30
Operating temperature	-25...+65 °C
Storage temperature	-25...+65 °C
Relay output (NO)	AC 230 V, max. 5 A / DC 30 V, max. 5 A
Relative humidity	≤95 % rel.
Color	Housing -> ~RAL 9010, Pure white
Color housing/cover	~RAL 9010, Pure white / transparent matt
Dimensions (W x H x D)	95 x 23 x 71 mm
Standard	EN 54-18
Accessories	FDCH221 Housing for input/output modules A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54400-B124-A1	FCA1209-Z1

### U-rail TS35/7,5/122

TS35\_122

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



Dimensions (W x H)	35 x 122 mm
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Order No.	Product No.
BPZ:5644780001	TS35_122

### U-rail TS35/7,5/288

TS35\_288

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



Dimensions (W x H)	35 x 288 mm
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Order No.	Product No.
BPZ:5644230001	TS35_288

Conventional fire peripherals  
**Conventional and collective line**  
**Conventional output module**

5

**FDCH221**

**Housing for input/output modules**



Housing with seal for the mounting of several devices for wet applications.  
 The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54312-F3-A1	FDCH221

**DBZ1190-AB**

**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

**A5Q00004479**

**Back nut M20**



Back nut to screwed cable gland M20 x 1.5.

Delivery unit	10 pieces
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Order No.	Product No.
A5Q00004479	A5Q00004479



## Addressable fire peripherals

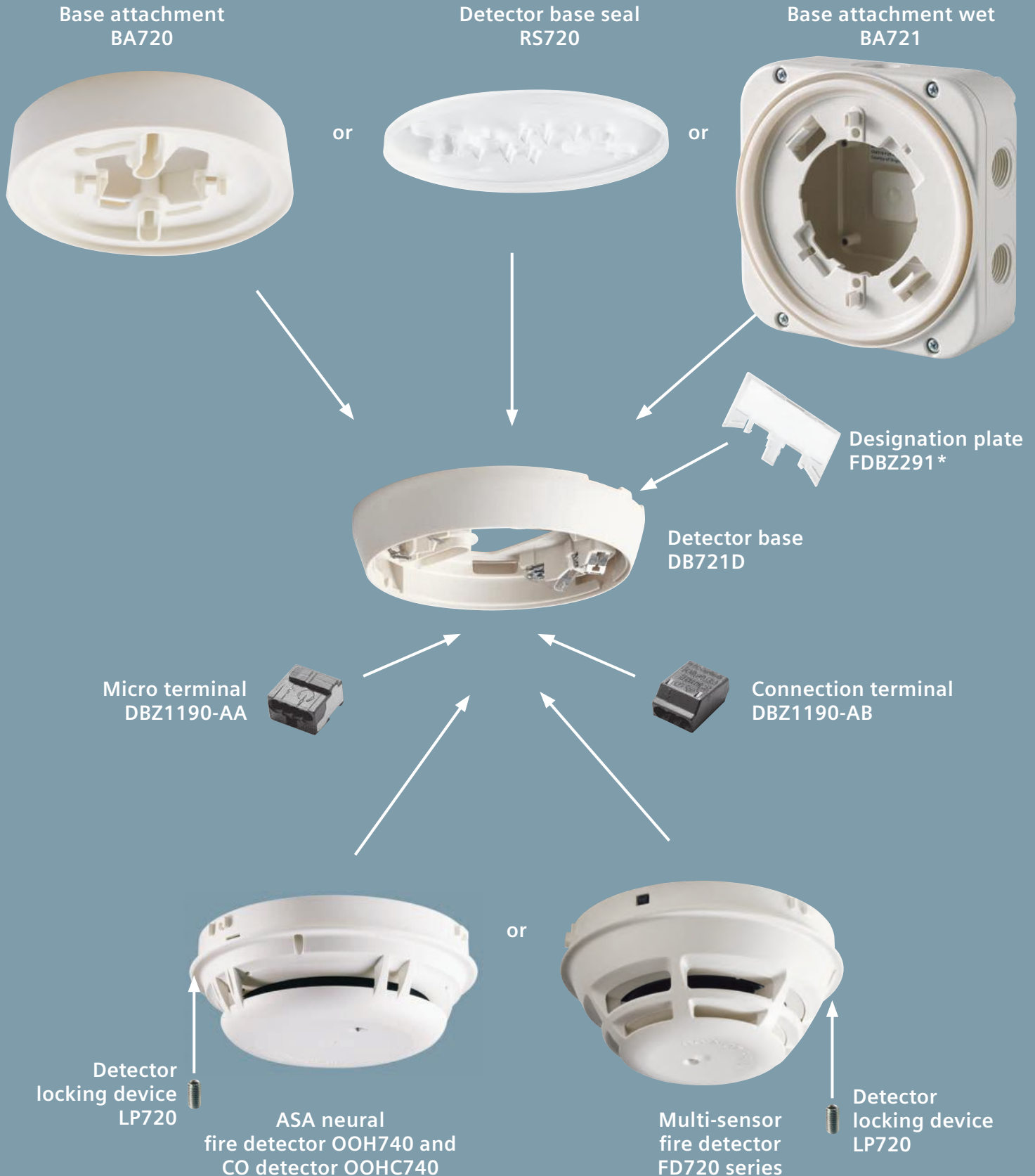


## Providing fast, reliable detection with patented technology

Data centers, office buildings or industrial production facilities – people and assets have to be protected and business continuity secured. The Cerberus™ PRO detector range provides the benefits of Siemens' vast experience in detection techniques and applications. This experience ensures utterly reliable detection response. Our unique *ASAt*technology™ (ASA = advanced signal analysis) offers advanced signal processing and ten selectable parameter sets, ensuring the fastest possible and most reliable fire detection – even in the most demanding environments.

- Siemens has 160 years experience in fire safety – with more than 100 million detectors installed worldwide
- Detectors with *ASAt*technology are the best choice for protecting especially demanding application areas
- *ASAt*technology offers selectable parameter sets – to allow for adjustment to the surrounding conditions
- A wide range of special detectors – to cover 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

**Multi-sensor smoke detector, ASA**

OOH740

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 mode you have the possibility to choose between three parameter sets: Standard Plus (PS1), Suppression (PS5) and High Sensitive Fast (PS9).

The base must be ordered separately.

**Scope of delivery**

Detector and dust cap



Data sheet	A6V10284161
Standard	CEA 4021, EN 54-5, EN 54-7, EN 54-17
Protection category	IP40 IP44 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-25...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~170...250 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET or collective/conventional
Relative humidity	≤95 % rel.
Dimensions (Ø x H)	117 x 49 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

	Order No.	Product No.
	S54320-F7-A3	OOH740

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.). Additional detection channels for CO life safety detection and CO or thermal ambient condition monitoring.

The base must be ordered separately.

**Scope of delivery**

Detector and dust cap

Data sheet	A6V10284161
Standard	CEA 4021, EN 54-5, EN 54-7, EN 54-17, VdS 2806
Protection category	IP40 IP44 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-10...+50 °C
Storage temperature	-20...+55 °C
Quiescent current	~300...380 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET
Relative humidity	≤95 % rel.
Dimensions (Ø x H)	117 x 49 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

Order No.	Product No.
S54320-F8-A3	OOHC740

**Multi-sensor smoke detector**

**OH720**

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

Data sheet	A6V10202198
Standard	CEA 4021, EN 54-7, EN 54-17
Protection category	IP40 IP42 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-10...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~230 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET
Relative humidity	≤95 % rel.
Permissible air speed	Max. 5 m/s
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

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Order No.	Product No.
S54310-F2-A1	<b>OH720</b>

## Addressable fire peripherals

### Addressable fire detectors

#### Point detectors

##### 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 sets. The base must be ordered separately.

**Scope of delivery**

Detector and dust cap

Data sheet	A6V10202198
Standard	EN 54-7, EN 54-17
Protection category	IP40 IP42 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-10...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~220 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET
Relative humidity	≤95 % rel.
Permissible air speed	Max. 5 m/s
Dimensions (Ø x H)	117 x 56 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

Order No.	Product No.
S54310-F1-A1	<b>OP720</b>

##### 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

Data sheet	A6V10202198
Standard	EN 54-5, EN 54-17
Protection category	IP40 IP42 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-10...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~200 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET
Relative humidity	≤95 % rel.
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

Order No.	Product No.
S54310-F4-A1	<b>HI720</b>

**Heat detector (static)**

HI722

Suitable in areas, in which temporary high variations in temperature arise. Measures the operating temperature, when the maximum temperature is exceeded the detector sends a danger signal to the fire control panel.

The base must be ordered separately.

**Scope of delivery**

Detector and dust cap



Data sheet	A6V10202198
Standard	EN 54-5, EN 54-17
Protection category	IP40
	IP42 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-10...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~200 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET
Relative humidity	≤95 % rel.
Dimensions (Ø x H)	117 x 59 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

	Order No.	Product No.
	S54310-F3-A1	HI722

**Accessories**

**Detector locking device**

LP720

Threaded pin M3 x 12 to protect detector against theft.

**Scope of delivery**

2 hexagonal wrenches

100 threaded pins



Data sheet	A6V10202198
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	Order No.	Product No.
	S54319-F9-A1	LP720



## Addressable fire peripherals

### Addressable fire detectors

#### Point detectors

##### 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 mm<sup>2</sup>. Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.

For all point detectors in 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.

Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54319-F11-A1	<b>DB721</b>

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##### DB722



##### Detector base

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

Data sheet	A6V10284161
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup>

Order No.	Product No.
S54319-F19-A1	<b>DB722</b>

## Sounder base

DBS720



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 sounders 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. Ø 8 mm.

Data sheet	A6V10203095
Standard	EN 54-3
Protection category	IP41
	IP42 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Storage temperature	-30...+70 °C
Sound intensity	80...88 dBA
Cable capacity	0.2...1.6 mm <sup>2</sup>
Relative humidity	≤95 % rel.
Communication protocol	C-NET
Alarm current	1.2 mA
Number of sounds	11
Quiescent current	150 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Color	~RAL 9010, Pure white
Dimensions (W x H x D)	175 x 117 x 29 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup>

Order No.

Product No.

S54319-F5-A1

DBS720

## Designation plate

FDBZ291



To identify the location address for detector bases.

Data sheet	007775
Color	Transparent
Dimensions (W x H)	62 x 35 mm
Delivery unit	10 pieces

Order No.

Product No.

A5Q00002621

FDBZ291

## Addressable fire peripherals

### Addressable fire detectors

#### Point detectors

##### 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.

Data sheet	A6V10202198
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	120 x 25 mm

Order No.	Product No.
S54319-F20-A1	<b>BA720</b>

##### BA721



##### Base attachment wet

Base attachment wet with an integrated additional rubber seal for applications in cold or wet environments, and when the detector heating element is used. Six breakout plugs for screwed cable gland M20.

Protection category	Up to IP44, depending on detector type
Color	~RAL 9010, Pure white
Dimensions (W x H x D)	135 x 135 x 41 mm
Accessories	A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate DBZ1194 Protective cage FDBH291 Detector heat

Order No.	Product No.
S54319-F29-A1	<b>BA721</b>

##### FDBH291



##### Detector heating incl. 2 micro terminals

For the operation of fire detectors in critical environments, protection against danger of frost formation or moisture condensation, e.g. in cold storage houses, attics, loading ramps, cheese storage cellars, etc. Optimum function of the detector heating is only ensured with the base attachments wet FDB295 or BA721.

Detector heating is fixed to the base attachment with a spring-loaded catch.

Operating voltage	DC 20...30 V
Operating temperature	-30...+40 °C
Storage temperature	-30...+60 °C
Operating current	35...55 mA

Order No.	Product No.
A5Q00004439	<b>FDBH291</b>

### Micro terminal 0,5 mm<sup>2</sup>, 4-pole

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.



Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4677080001	DBZ1190-AA

### Connection terminal 2,5 mm<sup>2</sup>, 3-pole

DBZ1190-AB

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

### 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
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Order No.	Product No.
A5Q00004478	A5Q00004478

### Protective cage

DBZ1194

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



Dimensions (Ø x H)	160 x 126 mm
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Order No.	Product No.
BPZ:4677110001	DBZ1194

Addressable fire peripherals  
Addressable fire detectors  
Point detectors

DBZ1193A

Detector designation plate



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

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

Order No.

Product No.

BPZ:4864330001

**DBZ1193A**

**Manual call point**

FDM221\_\_

For immediate manual actuation of an alarm. For indoor and outdoor applications. For surface- and recess-mounted feed lines in easily accessible places. Direct alarm actuation by pushing in the glass insert. By replacing the glass insert the pushbutton is set back and the device is ready for operation again.

The housing FDMH291-x and the switching unit FDME221 must be ordered separately.



Data sheet	007001
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	87 x 87 x 46.6 mm
Storage temperature	-30...+75 °C
Communication protocol	FDnet/C-NET
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	FDMC291 Protective cover A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

**Products to select from**

FDME221	Switching unit with direct alarm actuation
FDMH291-B	Housing blue with key
FDMH291-G	Housing green with key
FDMH291-R	Housing red with key
FDMH291-Y	Housing yellow with key

Order No.	Product No.
FDM221__	FDM221__

**Housing red with key**

FDMH291-R

Housing with key for electronic unit FDME221.

Color	~RAL 3000 Flame red
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Order No.	Product No.
A5Q00002217	FDMH291-R

**Housing yellow with key**

FDMH291-Y

Housing with key for electronic unit FDME221.

Color	~RAL 1023 Traffic yellow
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Order No.	Product No.
A5Q00004979	FDMH291-Y

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**FDMH291-G**



**Housing green with key**

Housing with key for electronic unit FDME221.

Color ~RAL 6024 Traffic green

Order No.	Product No.
A5Q00004981	FDMH291-G

**FDMH291-B**



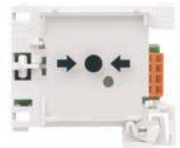
**Housing blue with key**

Housing with key for electronic unit FDME221.

Color ~RAL 5005 Signal blue

Order No.	Product No.
A5Q00004980	FDMH291-B

**FDME221**



**Switching unit with direct alarm actuation**

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

Operating voltage	DC 12...33 V
Quiescent current	200 µA
Terminal block	0,28...1,5 mm <sup>2</sup>

Order No.	Product No.
A5Q00002451	FDME221

**Accessories**

**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

Order No.	Product No.
A5Q00001644	FDMC291



### Manual call point with glass plate

FDM225-RG

For immediate manual actuation of a fire alarm. For indoor applications. Direct alarm actuation by pushing in the glass insert. By replacing the glass insert the pushbutton 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 back box FDMH295-x must be ordered separately.



Data sheet	009023
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	87 x 87 x 20 mm
Quiescent current	180 µA
Storage temperature	-30...+75 °C
Terminal block	0,28...1,5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
Color	~RAL 3000 Flame red
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	FDMH295-R Back box FDMH295-S Back box with 2 entries FDMC295 Protective cover

Order No.

Product No.

A5Q00013434

FDM225-RG

### Manual call point with resettable plastic element

FDM225-RP

For immediate manual actuation of a fire alarm. For indoor applications. Direct alarm actuation by pushing on the plastic element. The pushbutton 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 back box FDMH295-x must be ordered separately.



Data sheet	009023
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Protection category	IP44
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	87 x 87 x 20 mm
Quiescent current	180 µA
Storage temperature	-30...+75 °C
Terminal block	0,28...1,5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
Color	~RAL 3000 Flame red
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	FDMH295-R Back box FDMH295-S Back box with 2 entries FDMC295 Protective cover

Order No.

Product No.

A5Q00012020

FDM225-RP

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

Accessories

**FDMH295-R**



**Back box**

Housing base for manual call points for surface mounting.

Data sheet	A6V10206486, 009023
Dimensions (W x H x D)	87 x 87 x 33 mm
Delivery unit	10 pieces
Color	~RAL 3000 Flame red
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20 DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
A5Q00013437	FDMH295-R

6

**FDMH295-S**



**Back box with 2 entries**

Housing base for manual call points with 2 holes on top fitted with grommet for cable Ø 5 mm for surface mounting.

Data sheet	A6V10206486, 009023
Dimensions (W x H x D)	87 x 87 x 33 mm
Delivery unit	10 pieces
Color	~RAL 3000 Flame red
Accessories	DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
A5Q00013438	FDMH295-S

**DBZ1190-AB**



**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**Back nut M20**

A5Q00004479

Back nut to screwed cable gland M20 x 1.5.



Delivery unit 10 pieces

Order No.	Product No.
A5Q00004479	A5Q00004479

**Protective cover**

FDMC295

The protective cover protects the manual call points from unintentional glass break.



Data sheet A6V10206486, 009023

Delivery unit 10 pieces  
 Color Transparent

Order No.	Product No.
A5Q00013440	FDMC295



Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**FDM226-RG**



**Manual call point with glass plate incl. housing base**

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

Data sheet	009023
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Protection category	IP66
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	87 x 87 (113) x 57 mm
Quiescent current	180 µA
Storage temperature	-30...+75 °C
Terminal block	0,28...1,5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
Color	~RAL 3000 Flame red
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	FDMC295 Protective cover

Order No.	Product No.
A5Q00013435	<b>FDM226-RG</b>

**FDM226-RP**



**Manual call point with resettable plastic element incl. housing base**

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

Data sheet	009023
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Protection category	IP66
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	87 x 87 (113) x 57 mm
Quiescent current	180 µA
Storage temperature	-30...+75 °C
Terminal block	0,28...1,5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
Color	~RAL 3000 Flame red
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	FDMC295 Protective cover

Order No.	Product No.
A5Q00013436	<b>FDM226-RP</b>

**Accessories**

**Connection terminal 2,5 mm<sup>2</sup>, 3-pole**

**DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

**Back nut M20**

**A5Q00004479**

Back nut to screwed cable gland M20 x 1.5.



Delivery unit	10 pieces
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Order No.	Product No.
A5Q00004479	A5Q00004479

**Protective cover**

**FDMC295**

The protective cover protects the manual call points from unintentional glass break.



Data sheet	A6V10206486, 009023
Delivery unit	10 pieces
Color	Transparent

Order No.	Product No.
A5Q00013440	FDMC295

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**FDM231-RP**

**Manual call point**



Complete manual call point with plastic insert incl. back box, electronic and key FDMK231.  
 Direct alarm activation by pushing on the plastic element. The push button is reset with the key and the device is ready for operation again.

Data sheet	A6V10404251
Operating voltage	DC 12...33 V
Operating temperature	-25...+65 °C
Protection category	IP44
Relative humidity	≤95 % rel.
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	87 x 87 x 58 mm
Quiescent current	180 µA
Storage temperature	-30...+65 °C
Terminal block	0.28...1.5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
Color	~RAL 3000, Flame red
System compatibility	FDnet -> FS20 C-NET -> FS720
Accessories	A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004479 Counter nut M20 x 1.5

Order No.	Product No.
S54311-F11-A1	<b>FDM231-RP</b>

**FDMH231-S-R**

**Back box red**



Housing base with holes fitted with grommet for cable Ø 5 mm.  
 See FDM231-RP for technical overview.

Data sheet	A6V10404251
Dimensions (W x H x D)	87 x 87 x 58 mm
Color	~RAL 3000, Flame red
System compatibility	FDnet -> FS20 C-NET -> FS720
Accessories	A5Q00004478 Metal cable gland M20 x 1.5 A5Q00004479 Counter nut M20 x 1.5

Order No.	Product No.
S54311-B12-A1	<b>FDMH231-S-R</b>

**Electronic switching unit incl. key FDMK231**

**FDME231**

See FDM231-RP for technical overview.



Data sheet	A6V10404251
Operating voltage	DC 12...33 V
Operating temperature	25...+65 °C
Relative humidity	≤95 % rel.
Dimensions (W x H x D)	87 x 87 x 58 mm
Quiescent current	180 µA
Storage temperature	-30...+65 °C
Terminal block	0.28...1.5 mm <sup>2</sup>
System compatibility	FDnet -> FS20 C-NET -> FS720
Accessories	A5Q00004478 Metal cable gland M20 x 1.5 A5Q00004479 Counter nut M20 x 1.5

Order No.	Product No.
S54311-B14-A1	FDME231

**Accessories**

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

**Back nut M20**

**A5Q00004479**

Back nut to screwed cable gland M20 x 1.5.



Delivery unit	10 pieces
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Order No.	Product No.
A5Q00004479	A5Q00004479

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**FDM224\_\_**



**Manual call point**

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

Data sheet	007001
Operating temperature	-25...+70 °C
Protection category	IP44 (IP64 with protection seal)
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Quiescent current	200 µA
Storage temperature	-30...+75 °C
Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole)

**Products to select from**

FDME224	Switching unit with direct alarm actuation
FDMH293-B	Housing blue, with glass and key
FDMH293-G	Housing green, with glass and key
FDMH293-R	Housing red, with glass and key
FDMH293-Y	Housing yellow, with glass and key

Order No.	Product No.
FDM224__	FDM224__

**FDMH293-R**



**Housing red, with glass and key**

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

Color	~RAL 3000 Flame red
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Order No.	Product No.
A5Q00004023	FDMH293-R



**Housing red**

FDMH297-R

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

Dimensions (W x H x D) 130 x 130 x 43 mm  
 Color ~RAL 3000, Flame red



Order No.	Product No.
S54311-B7-A1	FDMH297-R

**Housing yellow, with glass and key**

FDMH293-Y

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

Color ~RAL 1023 Traffic yellow



Order No.	Product No.
A5Q00004908	FDMH293-Y

**Housing green, with glass and key**

FDMH293-G

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

Color ~RAL 6024 Traffic green



Order No.	Product No.
A5Q00004911	FDMH293-G

**Housing blue, with glass and key**

FDMH293-B

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

Color ~RAL 5005 Signal blue



Order No.	Product No.
A5Q00004909	FDMH293-B

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**FDMH293-O**



**Housing orange, with glass and key**

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

Color ~RAL 2011 Deep orange

Order No.	Product No.
S54311-F2-A1	<b>FDMH293-O</b>

**FDME224**



**Switching unit with direct alarm actuation**

Switching unit with integrated line separator and built-in alarm indicator (LED). Two-colored LED for alarm and test.

The switching unit can be placed immediately after connecting the feed line, which is an advantage if the line is tested with a line testing device.

Operating voltage	DC 12...33 V
Quiescent current	200 µA
Terminal block	0,28...1,5 mm <sup>2</sup>

Order No.	Product No.
A5Q00009392	<b>FDME224</b>

**Accessories**

**DMZ1197-AD**



**Protection seal**

Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.

Delivery unit 5 pieces

Order No.	Product No.
BPZ:5470680001	<b>DMZ1197-AD</b>

**DMZ1197-AC**



**Protective cover**

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.

Data sheet	A6V10236643
Delivery unit	5 pieces

Order No.	Product No.
BPZ:5223550001	<b>DMZ1197-AC</b>

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**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

Order No.	Product No.
A5Q00004478	A5Q00004478

**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.



Delivery unit 10 pieces  
 Color ~RAL 3000, Flame red

Order No.	Product No.
A5Q00006735	A5Q00006735

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with direct operation**

**FDM224H\_\_**



**Manual call point 'Heavy Duty'**

For immediate manual actuation of a fire alarm. Direct alarm actuation by pushing in the glass insert. By replacing the glass insert the pushbutton is reset and the device is ready for operation again. For indoor and outdoor applications, 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. The housing FDMH292-R and the switching unit FDME224 must be ordered separately.

Data sheet	008345
Operating temperature	-25...+70 °C
Protection category	IP44 (IP64 with protection seal)
Relative humidity	≤95 % rel.(no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Storage temperature	-30...+75 °C
Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

**Products to select from**

FDME224	Switching unit with direct alarm actuation
FDMH292-R	Housing red 'Heavy Duty'

Order No.	Product No.
FDM224H__	FDM224H__

**FDMH292-R**



**Housing red 'Heavy Duty'**

Housing with glass, 3 pieces locking plugs M20 (2 holes), hexagonal wrench 2,5 mm and labels 'Feuerwehr/Brandmelder'.

Color	~RAL 3000 Flame red
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Order No.	Product No.
A5Q00005525	FDMH292-R

**Switching unit with direct alarm actuation**

**FDME224**

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	DC 12...33 V
Quiescent current	200 µA
Terminal block	0,28...1,5 mm <sup>2</sup>

Order No.	Product No.
A5Q00009392	FDME224

**Accessories**

**Protection seal**

**DMZ1197-AD**

Protects the manual call point in wet applications.  
 The seal improves the manual call point housing's protection category.



Delivery unit	5 pieces
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Order No.	Product No.
BPZ:5470680001	DMZ1197-AD

**Protective cover**

**DMZ1197-AC**

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.



Data sheet	A6V10236643
Delivery unit	5 pieces

Order No.	Product No.
BPZ:5223550001	DMZ1197-AC

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

# Addressable fire peripherals

## Addressable manual call points

### MCP with indirect operation

FDM223



#### Manual call point complete

For immediate manual actuation of a fire alarm. For indoor and outdoor applications. For surface- and recess-mounted feed lines in easily accessible places. Indirect alarm actuation by smashing in the glass insert and pressing the pushbutton. To replace the glass insert, open the housing door with the key. The pushbutton 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).

Data sheet	007001
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Protection category	IP44 (IP64 with protection seal)
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Quiescent current	200 µA
Storage temperature	-30...+75 °C
Communication protocol	FDnet/C-NET
Color	~RAL 3000 Flame red
Ext. alarm indicator	2
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

Order No.	Product No.
A5Q00008098	FDM223

## Manual call point

FDM223\_\_

For immediate manual actuation of an alarm. For indoor and outdoor applications. For surface- and recess-mounted feed lines in easily accessible places.

Indirect alarm actuation by pushing in the glass insert and pressing the pushbutton. To replace the glass insert, open the housing door with the key. The pushbutton must be reset before closing the door again. The housing FDMH293-x and the switching unit FDME223 must be ordered separately.



Data sheet	007001
Operating temperature	-25...+70 °C
Protection category	IP44 (IP64 with protection seal)
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Storage temperature	-30...+75 °C
Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole)

### Products to select from

FDME223	Switching unit with indirect alarm actuation
FDMH293-B	Housing blue, with glass and key
FDMH293-G	Housing green, with glass and key
FDMH293-O	Housing orange, with glass and key
FDMH293-R	Housing red, with glass and key
FDMH293-Y	Housing yellow, with glass and key

Order No.

Product No.

FDM223\_\_

FDM223\_\_

## Switching unit with indirect alarm actuation

FDME223

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	DC 12...33 V
Quiescent current	200 µA
Terminal block	0,28...1,5 mm <sup>2</sup>

Order No.

Product No.

A5Q00003087

FDME223

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with indirect operation**

**FDMH293-R**



**Housing red, with glass and key**

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

Color ~RAL 3000 Flame red

Order No. A5Q00004023  
 Product No. **FDMH293-R**

**FDMH297-R**



**Housing red**

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

Dimensions (W x H x D) 130 x 130 x 43 mm  
 Color ~RAL 3000, Flame red

Order No. S54311-B7-A1  
 Product No. **FDMH297-R**

**FDMH293-Y**



**Housing yellow, with glass and key**

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

Color ~RAL 1023 Traffic yellow

Order No. A5Q00004908  
 Product No. **FDMH293-Y**

**FDMH293-G**



**Housing green, with glass and key**

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

Color ~RAL 6024 Traffic green

Order No. A5Q00004911  
 Product No. **FDMH293-G**

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Addressable fire peripherals  
Addressable manual call points  
MCP with indirect operation

**Housing blue, with glass and key**

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

Color ~RAL 5005 Signal blue



**FDMH293-B**

Order No.	Product No.
A5Q00004909	FDMH293-B

**Housing orange, with glass and key**

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

Color ~RAL 2011 Deep orange



**FDMH293-O**

Order No.	Product No.
S54311-F2-A1	FDMH293-O

**Accessories**

**Protection seal**

Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.

Delivery unit 5 pieces

**DMZ1197-AD**



Order No.	Product No.
BPZ:5470680001	DMZ1197-AD

**Protective cover**

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.

Data sheet A6V10236643

Delivery unit 5 pieces

**DMZ1197-AC**



Order No.	Product No.
BPZ:5223550001	DMZ1197-AC

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with indirect operation**

**A5Q00004478**



**Screwed cable gland M20 x 1.5**

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

Delivery unit 10 pieces

Order No.	Product No.
A5Q00004478	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.

Delivery unit 10 pieces  
 Color ~RAL 3000, Flame red

Order No.	Product No.
A5Q00006735	A5Q00006735

**6**

### Manual call point 'Heavy Duty'

For immediate manual actuation of a fire alarm. Indirect alarm actuation by pushing in the glass insert and pressing the pushbutton. To replace the glass insert, open the housing door with the key. The push-button must be reset before closing the door again.

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

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

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

The housing FDMH292-R and the switching unit FDME223 must be ordered separately.

FDM223H\_\_



Data sheet	008345
Operating temperature	-25...+70 °C
Protection category	IP44 (IP64 with protection seal)
Relative humidity	≤95 % rel. (no condensation)
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	134 x 134 x 43 mm
Storage temperature	-30...+75 °C
Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20

#### Products to select from

FDME223	Switching unit with indirect alarm actuation
FDMH292-R	Housing red 'Heavy Duty'

Order No.	Product No.
FDM223H__	FDM223H__

### Housing red 'Heavy Duty'

Housing with glass, 3 pieces locking plugs M20 (2 holes), hexagonal wrench 2,5 mm and labels 'Feuerwehr/Brandmelder'.

Color ~RAL 3000 Flame red

FDMH292-R



Order No.	Product No.
A5Q00005525	FDMH292-R

Addressable fire peripherals  
**Addressable manual call points**  
**MCP with indirect operation**

**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	DC 12...33 V
Quiescent current	200 µA
Terminal block	0,28...1,5 mm <sup>2</sup>

Order No.	Product No.
A5Q00003087	<b>FDME223</b>

**FDM243H**

**'Heavy Duty' manual call point**

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'Heavy Duty' manual call point addressable (FDnet/C-NET).

- Manual call point for Sinteso FS20 and Cerberus PRO FS720 fire detection systems
- Very hard-wearing housing design
- For surface mounting outdoors and in humid environments
- Manual call point FDM243H with indirect activation

Data sheet	A6V10356927
Operating voltage	DC 12...33 V
Operating temperature	-35...+70 °C
Protection category	IP66
Relative humidity	≤95 % rel.
Standard	EN 54-11, EN 54-17
Dimensions (W x H x D)	135 x 135 x 61 mm
Quiescent current	200 µA
Storage temperature	-40...+70 °C
Communication protocol	FDnet/C-NET
Color	~RAL 3000 Flame red
Ext. alarm indicator	2
System compatibility	FDnet -> FS20, C-NET -> FS720
Accessories	FDMK294 Key A5Q00004478 Screwed cable gland M20 x 1.5 FDMG298 Glass plate

Order No.	Product No.
S54311-F8-A1	<b>FDM243H</b>

**Sounder beacon interbase (C-NET)**

**DBS728**

The sounder beacon interbase DBS728 serves for alarming in the addressed FS720 fire system. In case of a fire alarm, the base triggers an acoustic signal as well as an optical alarming (via LEDs).



Data sheet	A6V10277374
Standard	EN 54-3, type A EN 54-17 EN 54-23 type A, category C and O
Protection category	With RS721 and point detector: IP21C With RS721 and blanking plate BP720: IP21C
Operating voltage	DC 12...33 V
Operating temperature	-25...+55 °C
Number of sounds	13
Storage temperature	-30...+75 °C
Quiescent current	Max. 250 µA
Relative humidity	≤95 % rel.
Sound intensity	77...93 dBA
Light intensity	C-3-5 or O-1.5-2.4
Communication protocol	C-NET
Ext. alarm indicator	
System compatibility	C-NET -> FS720
Dimensions (Ø x H)	128 x 52 mm
Color	White, ~RAL9010 / translucent
Accessories	BP720 Blanking plate RS721 Interbase seal DBZ1193A Designation plate LP720 Detector locking device

**6**

Order No.

Product No.

S54372-F14-B1

**DBS728**

## Addressable fire peripherals

### Alarm equipment

#### Alarm sounders, alarm sounders with supplementary optical indication

DBS721

#### Sounder interbase (C-NET)



The sounder interbase DBS721 and the detector comprise 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 is used 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 on its associated detector. In case of a fire alarm, the base triggers an acoustic signal.

For all point detectors in 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.

Data sheet	A6V10277374
Standard	EN 54-3 Type B, EN 54-17
Protection category	With RS721 and point detector: IP21C With RS721 and blanking plate BP720: IP21C
Operating voltage	DC 12...33 V
Operating temperature	-25...+65 °C
Storage temperature	-30...+75 °C
Quiescent current	250 µA
Relative humidity	≤95 % rel.
Sound intensity	80...87 dBA
Cable capacity	0.2...1.6 mm <sup>2</sup>
Communication protocol	C-NET
System compatibility	FC720
Dimensions (Ø x H)	127 x 52 mm
Color	~RAL 9010, Pure white / translucent
Accessories	BP720 Blanking plate RS721 Interbase seal FDBZ291 Designation plate LP720 Detector locking device

Order No.

Product No.

S54372-F13-A1

DBS721

## Alarm sounders, alarm sounders with supplementary optical indication

## Sounder interbase with supplementary optical indication (C-NET)

DBS729

The sounder interbase DBS729 and the detector comprise 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 is used 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 in 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.



Data sheet	A6V10277374
Standard	EN 54-3 Type B, EN 54-17
Protection category	With RS721 and point detector: IP21C With RS721 and blanking plate BP720: IP21C
Operating voltage	DC 12...33 V
Operating temperature	-25...+65 °C
Storage temperature	-30...+75 °C
Quiescent current	250 µA
Relative humidity	≤95 % rel.
Sound intensity	80...87 dBA
Light intensity	1.27...3.2 cd
Cable capacity	0.2...1.6 mm <sup>2</sup>
Communication protocol	C-NET
System compatibility	FC720
Dimensions (Ø x H)	127 x 52 mm
Color	~RAL 9010, Pure white / translucent
Accessories	BP720 Blanking plate RS721 Interbase seal FDBZ291 Designation plate LP720 Detector locking device

Order No.

Product No.

S54372-F14-A1

DBS729

## Accessories for DBS72..

## Blanking plate

BP720

The blanking plate BP720 provides a smooth protection if no detector is inserted.



Order No.

Product No.

S54372-B12-A1

BP720

LP720

Detector locking device



Threaded pin M3 x 12 to protect detector against theft.

Scope of delivery

2 hexagonal wrenches  
100 threaded pins

Data sheet

A6V10202198

Order No.

Product No.

S54319-F9-A1

LP720

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 mm<sup>2</sup>. Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.

For all point detectors in 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.

Cable capacity

0.2...1.6 mm<sup>2</sup>

Color

~RAL 9010, Pure white

Dimensions (Ø x H)

117 x 23 mm

Accessories

FDBZ291 Designation plate

RS720 Detector base seal

DBZ1190-AA Micro terminal 0.5 mm<sup>2</sup>, 4-pole

DBZ1190-AB Connection terminal 2.5 mm<sup>2</sup>, 3-pole

Order No.

Product No.

S54319-F11-A1

DB721

RS721

Interbase seal



Interbase seal for DBS721, DBS728 and DBS729 to fulfill the IP21C protection category.

Not usable together with the designation plate.

Protection category

IP21C

Color

~RAL9003 Signal white

Dimensions (Ø x H)

134 x 15.9 mm

Delivery unit

10 pieces

Order No.

Product No.

S54319-F32-A1

RS721



## Alarm sounders, alarm sounders with supplementary optical indication

**Micro terminal 0,5 mm<sup>2</sup>, 4-pole****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.



Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.

Product No.

BPZ:4677080001

**DBZ1190-AA****Connection terminal 2,5 mm<sup>2</sup>, 3-pole****DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.

Product No.

BPZ:4942340001

**DBZ1190-AB**

## Addressable fire peripherals

### Alarm equipment

#### Alarm sounders, alarm sounders with supplementary optical indication

FDS221-R



#### Alarm sounder red

Loud alarming in case of a 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.

Data sheet

Sinteso: 007026; Cerberus PRO: A6V10203095

Standard

EN 54-3, EN 54-17

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 wet FDB295 -> IP54.

Operating voltage

DC 12...33 V

Operating temperature

-25...+70 °C

Operating current

3.5 mA (sound activated)

Number of sounds

11

Storage temperature

-30...+75 °C

Quiescent current

250 µA

Relative humidity

≤95 % rel.

Sound intensity

80...99 dBA

Communication protocol

FDnet/C-NET

Ext. alarm indicator

2

Terminals

According to detector base

System compatibility

FDnet -> FS20, AlgoRex, SIGMASYS

C-NET -> FS720

Dimensions (Ø x D)

100 x 43 mm

Color

~RAL 3000 Flame red

Accessories

FDBZ293 Detector locking device

Order No.

Product No.

A5Q00004117

FDS221-R

## Alarm sounders, alarm sounders with supplementary optical indication

## Alarm sounder white

FDS221-W

Loud alarming in case of a 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.



Data sheet	Sinteso: 007026; Cerberus PRO: A6V10203095
Standard	EN 54-3, EN 54-17
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 wet FDB295 -> IP54.
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Operating current	3.5 mA (sound activated)
Number of sounds	11
Storage temperature	-30...+75 °C
Quiescent current	250 µA
Relative humidity	≤95 % rel.
Sound intensity	80...99 dBA
Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
Terminals	According to detector base
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Dimensions (Ø x D)	100 x 43 mm
Color	~RAL 9010 Pure white
Accessories	FDBZ293 Detector locking device

Order No.

Product No.

A5Q00006711

FDS221-W

FDS229-R



Alarm sounder with supplementary optical indication, red

Acoustic alarming in case of a fire alarm with supplementary optical indication, 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.

Data sheet

Sinteso: A6V10067776; Cerberus PRO:  
 A6V10229545

Standard

EN 54-3, EN 54-17

Protection category

With base FDB221 and base attachment FDB291 mounting on the wall with cable feed from bottom -> IP43, otherwise IP42.  
 With base FDB221 and sealing element FDBZ295 -> IP44.  
 With base attachment wet FDB295 -> IP54.

Number of flashing pattern

1 (intermittent)

Operating voltage

DC 12...33 V

Operating temperature

-25...+55 °C

Operating current

3.5 mA (sound activated)  
 3.5 mA (optical indication activated)  
 7.0 mA (sound and optical indication activated)

Number of sounds

11

Storage temperature

-30...+75 °C

Quiescent current

250 µA

Relative humidity

≤95 % rel.

Sound intensity

80...99 dBA

Light intensity

1.27...3.2 cd

Communication protocol

FDnet/C-NET

Ext. alarm indicator

2

Terminals

According to detector base

System compatibility

FDnet -> FS20, AlgoRex, SIGMASYS  
 C-NET -> FS720

Dimensions (Ø x D)

100 x 43 mm

Color

Transparent red

Accessories

FDBZ293 Detector locking device

Order No.

Product No.

A5Q00023093

FDS229-R

## Alarm sounders, alarm sounders with supplementary optical indication

## Alarm sounder with supplementary optical indication, orange

FDS229-A

Acoustic alarming in case of a fire alarm with supplementary optical indication, 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.



Data sheet	Sinteso: A6V10067776; Cerberus PRO: A6V10229545
Standard	EN 54-3, EN 54-17
Protection category	With base FDB221 and base attachment FDB291 mounting on the wall with cable feed from bottom -> IP43, otherwise IP42. With base FDB221 and sealing element FDBZ295 -> IP44. With base attachment wet FDB295 -> IP54.
Number of flashing pattern	1 (intermittent)
Operating voltage	DC 12...33 V
Operating temperature	-25...+65 °C
Operating current	3.5 mA (sound activated) 3.5 mA (optical indication activated) 7.0 mA (sound and optical indication activated)
Number of sounds	11
Storage temperature	-30...+75 °C
Quiescent current	250 µA
Relative humidity	≤95 % rel.
Sound intensity	80...99 dBA
Light intensity	1.1...2.8 cd
Communication protocol	FDnet/C-NET
Ext. alarm indicator	2
Terminals	According to detector base
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Dimensions (Ø x D)	100 x 43 mm
Color	Transparent orange
Accessories	FDBZ293 Detector locking device

Order No.

Product No.

A5Q00023092

FDS229-A

## Accessories for FDS22..

## Detector locking device

FDBZ293

Threaded pin M3 x 6 to protect detector against theft.

## Scope of delivery

2 hexagonal wrenches  
100 threaded pins



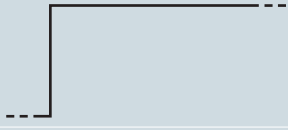
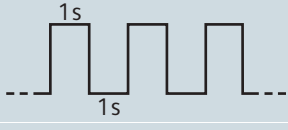

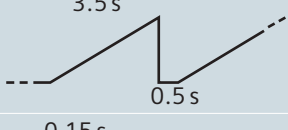
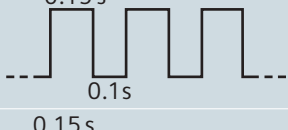
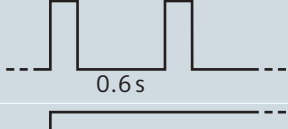


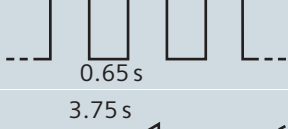



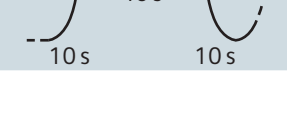
Order No.

Product No.

A5Q00005035

FDBZ293

# Alarm sounder tones

No.	Tonality	Frequency pattern Sweep from – to	Pulse pattern	Norm
1	Continuous	970 Hz		“Evacuate” BS 5839 Part 1 1988
2	Intermittent	950 Hz		“Alert” BS 5839 Part 1 1988
3	Sweep-down	1200 Hz – 500 Hz		DIN-Tone DIN33404 Part 3
4	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz		NEN2575 (Netherlands)
5	Pulse tone	500 Hz		Swedish Standard SS 03 17 11, No. 1 “Imminent Danger”
6	Intermittent	500 Hz		Swedish Standard SS 03 17 11, No. 6 “Local Warning”
7	Continuous	500 Hz		Swedish Standard SS 03 17 11, No. 4 “All clear”
8	Alternating	560 Hz 440 Hz		“French fire sound” NF S 32-001-1975
9	Intermittent	420 Hz		Australia “Alert” AS 2220 -1978
10	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz		Australia “Action” AS 2220 -1978
11	Intermittent	970 Hz		ISO 8201 US Temporal Tone LF
12	Sweep-up	800 Hz – 970 Hz		BS Firetone
13	Sweep-up, continuous, slow-whoop	150 Hz – 1000 Hz		DE industrial alarm

\* 12 and 13 are only available for DBS728

Samples of all alarm sounder tones are available on the Cerberus PRO Web site.

## Bases for alarm sounders, alarm sounders with supplementary optical ind.

**Detector base addressable****FDB221**

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 mm<sup>2</sup> or connection terminals 2,5 mm<sup>2</sup>. For equipment with addressable signal processing.  
For recess supply wiring. For surface supply wiring, cable diameter up to 6 mm.



Data sheet	Sinteso: 007775; Cerberus PRO: A6V10203095, A6V10229545
Cable capacity	0,2...1,5 mm <sup>2</sup>
Color	~RAL 9010 Pure white
Dimensions (Ø x H)	100 x 22 mm
Further accessories	FDBH291 Detector heating
Accessories	FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole FDB291 Base attachment FDB295 Base attachment wet

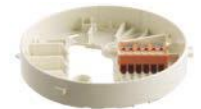
Order No.

Product No.

A5Q00001664

**FDB221****Detector base flat, addressable****FDB222**

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 mm<sup>2</sup> or connection terminals 2.5 mm<sup>2</sup>. For equipment with addressable signal processing.  
For recess supply wiring.  
Also available in different colors.



Data sheet	Sinteso: 007775; Cerberus PRO: A6V10203095, A6V10229545
Cable capacity	0.2...1.5 mm <sup>2</sup>
Color	~RAL 9010 Pure white
Dimensions (Ø x H)	100 x 22 mm
Accessories	FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.

Product No.

S54319-F1-A1

**FDB222**

## Addressable fire peripherals

### Alarm equipment

#### Bases for alarm sounders, alarm sounders with supplementary optical ind.

#### Accessories

##### FDB291



##### Base attachment

For the supply of surface-mounted lines  $\geq \varnothing 6$  mm. The detector base FDB2xx is fixed with a spring-loaded catch.

Mounting slots 46...90 mm.

Also available in different colors.

Color	~RAL 9010 Pure white
Dimensions ( $\varnothing$ x H)	120 x 25 mm
Accessories	FDBZ291 Designation plate

Order No.	Product No.
A5Q00001603	<b>FDB291</b>

##### FDB295



##### Base attachment wet

Base attachment wet with an integrated additional rubber seal for applications in cold or wet environments, and when the detector heating element is used. Six breakout plugs for screwed cable gland M20.

Protection category	IP44: with the detectors FDO2x1, FDT2x1, FDOOT221, FDOOT241, FDOOTC241 IP54: with the alarm sounders FDS221-R & FDS221-W and the alarm sounders with supplementary optical indication FDS229-R & FDS229-W
Color	~RAL 9010 Pure white
Dimensions (W x H x D)	135 x 135 x 53 mm
Accessories	A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate DBZ1194 Protective cage FDBH291 Detector heating

Order No.	Product No.
S54319-F21-A1	<b>FDB295</b>

##### FDBZ295



##### Sealing element

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

Color	~RAL 9010 Pure white
Dimensions ( $\varnothing$ x H)	107 x 30 mm

Order No.	Product No.
S54319-F10-A1	<b>FDBZ295</b>



## Bases for alarm sounders, alarm sounders with supplementary optical ind.

**Designation plate****FDBZ291**

To identify the location address for detector bases.



Data sheet	007775
Color	Transparent
Dimensions (W x H)	62 x 35 mm
Delivery unit	10 pieces

Order No.	Product No.
A5Q00002621	FDBZ291

**Detector heating incl. 2 micro terminals****FDBH291**

For the operation of fire detectors in critical environments, protection against danger of frost formation or moisture condensation, e.g. in cold storage houses, attics, loading ramps, cheese storage cellars, etc. Optimum function of the detector heating is only ensured with the base attachments wet FDB295 or BA721.

Detector heating is fixed to the base attachment with a spring-loaded catch.



Operating voltage	DC 20...30 V
Operating temperature	-30...+40 °C
Storage temperature	-30...+60 °C
Operating current	35...55 mA

Order No.	Product No.
A5Q00004439	FDBH291

**Micro terminal 0,5 mm<sup>2</sup>, 4-pole****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.



Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4677080001	DBZ1190-AA

**Connection terminal 2,5 mm<sup>2</sup>, 3-pole****DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

## Addressable fire peripherals

### Alarm equipment

#### Bases for alarm sounders, alarm sounders with supplementary optical ind.

A5Q00004478



#### Screwed cable gland M20 x 1.5

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

Delivery unit 10 pieces

Order No.	Product No.
A5Q00004478	A5Q00004478

DBZ1194



#### Protective cage

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

Dimensions (Ø x H) 160 x 126 mm

Order No.	Product No.
BPZ:4677110001	DBZ1194

DBZ1193A



#### Detector designation plate

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

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

Order No.	Product No.
BPZ:4864330001	DBZ1193A

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 sounders 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.  $\varnothing$  8 mm.

Data sheet	A6V10203095
Standard	EN 54-3
Protection category	IP41
	IP42 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Storage temperature	-30...+70 °C
Sound intensity	80...88 dBA
Cable capacity	0.2...1.6 mm <sup>2</sup>
Relative humidity	≤95 % rel.
Communication protocol	C-NET
Alarm current	1.2 mA
Number of sounds	11
Quiescent current	150 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Color	~RAL 9010, Pure white
Dimensions (W x H x D)	175 x 117 x 29 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup>

Order No.

Product No.

S54319-F5-A1

DBS720

## Accessories

FDBZ291



## Designation plate

To identify the location address for detector bases.

Data sheet	007775
Color	Transparent
Dimensions (W x H)	62 x 35 mm
Delivery unit	10 pieces

Order No.

Product No.

A5Q00002621

FDBZ291

Addressable fire peripherals  
Alarm equipment  
Sounder base for automatic detectors

**DBZ1190-AA**



**Micro terminal 0,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4677080001	<b>DBZ1190-AA</b>

**DBZ1190-AB**



**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	<b>DBZ1190-AB</b>

**Line separator**

**FDCL221**



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 line 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 line separator has 2x2 connectors for the detector line. Yellow LED for the status indication signals the short-circuit separation.

Data sheet	007065
Standard	EN 54-17
Protection category	IP44
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Storage temperature	-30...+80 °C
Relative humidity	≤95 % rel.
Communication protocol	FDnet/C-NET
Quiescent current	250 µA
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Color	Transparent
Dimensions (W x H x D)	44 x 47.5 x 10 mm
Accessories	TS35_122 U-rail TS35_288 U-rail

	Order No.	Product No.
	A5Q00004011	FDCL221

**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 line separators. Each line 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 line 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.

Data sheet	A6V10230308
Standard	EN 54-17
Protection category	IP30 IP65 with additional housing FDCH221
Operating voltage	DC 12...33 V
Operating temperature	-25...+70 °C
Storage temperature	-30...+75 °C
Relative humidity	≤95 % rel.
Communication protocol	FDnet/C-NET
Quiescent current	2.25 mA (9x 250 µA) or 2x 1 mA (4x 250 µA)
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Color	~RAL9010 Pure white (housing) Cover transparent, matt ~RAL9010 Pure white (aux. housing FDCH221)
Dimensions (W x H x D)	130 x 90 x 20 mm
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing with cover, seal and screws Screwed cable gland M20 x 1.5 Back nut M20 DBZ1190-AB Connection terminal 1.0...2.5 mm <sup>2</sup> (3 pole) FDCM291 Mounting feet (25 pcs.)

Order No.	Product No.
S54312-F6-A1	FDCL221-M

**Input module (1 input)**

FDCI221

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.



Data sheet	A6V10202196
Operating temperature	-25...+70 °C
Standard	EN 54-17, EN 54-18
Protection category	IP30
	IP65 with additional housing FDCH221
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
Storage temperature	-30...+75 °C
Cable capacity	0.2...1.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> )
System compatibility	FDnet -> FS20 C-NET -> FS720
Communication protocol	FDnet/C-NET
Quiescent current	Max. 0.3 mA
Dimensions (W x H x D)	95 x 71 x 23 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

	Order No.	Product No.
	S54312-F1-A1	FDCI221

## Addressable fire peripherals

### Addressable modules

#### Input modules

##### FDCI222



##### Input module (4 inputs)

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

Data sheet	007024
Operating temperature	-25...+60 °C
Standard	CEA GEI 1-84, EN 54-17, EN 54-18
Protection category	IP30 IP65 with additional housing FDCH221
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
Storage temperature	-30...+65 °C
Cable capacity	0.2...1.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> )
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Communication protocol	FDnet/C-NET
Quiescent current	0.25...0.35 mA
Dimensions (W x H x D)	130 x 90 x 20 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Order No.

Product No.

A5Q00001984

FDCI222



**Zone module, external powered**

FDCI723

Zone module, external powered, C-NET.

- A detector line (collective or conventional 110 series, DS11, SynoLINE 300/600) can be connected to the C-NET
- LED indicator for detector line status: fault, test, etc.
- Two-wire installation for all cable types
- DC 24 V power supply, external (detector lines electrically isolated)
- Microprocessor-controlled signal processing
- Communication via C-NET (addressed individually)
- Can be used in dry, dusty, and humid areas
- Different mounting options
- Zone module incl. 1 Transzorb diode 20 V and 2 mounting feet for TS35 U-rail



Data sheet	A6V10402143
Operating temperature	-10...+50 °C
Standard	EN 54-17, EN 54-18
Protection category	IP30 IP65 with additional housing FDCH221
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
EOL resistor	20 V transzorb diode or EOL22(Ex)
Storage temperature	-30...+70 °C
Cable capacity	0.2...1.5 mm <sup>2</sup>
System compatibility	C-NET > FS720
Communication protocol	C-NET
Detector line	110 series / DS11, SynoLINE300/600
Dimensions (W x H x D)	95 x 71 x 23 mm
Color	Housing: ~RAL 9010 Pure white Cover: Transparent matt
Input voltage	DC 12...33 V
Accessories	FDCH221 Housing with cover, seal, and screws A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004479 M20 metal counter nut DBZ1190-AB 1.0...2.5 mm <sup>2</sup> connection terminal (3-pin) FDCM291 Mounting feet (25x)

	Order No.	Product No.
	S54322-F6-A1	FDCI723

**FDCIO221**

**Input/output module (1 input and 1 output)**



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 (AC 22 V, 2 A) or as a monitored circuit (DC 30 V, 2 A). Status indication by LED. Power supply via FDnet/C-NET in potential-free mode. Monitored mode requires additional DC 24 V power supply.

Input/output module incl. 3 resistors and 2 mounting feet for TS35 U-rail.

Data sheet	A6V10202196
Operating temperature	-25...+70 °C
Standard	EN 54-17, EN 54-18
Protection category	IP30
	IP65 with additional housing FDCH221
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
Storage temperature	-30...+75 °C
Cable capacity	0.2...2.5 mm <sup>2</sup>
System compatibility	FDnet -> FS20 C-NET -> FS720
Communication protocol	FDnet/C-NET
Quiescent current	Max. 0.4 mA
Relay output (volt-free)	AC 22 V, 2 A, max. 44 VA DC 30 V, 2 A, max. 60 W
Dimensions (W x H x D)	95 x 71 x 23 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Order No.	Product No.
S54312-F2-A1	<b>FDCIO221</b>

**Input/output module (4 inputs and 4 outputs / 250 VAC)**

**FDCIO222**

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 (AC 250 V / 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.



Data sheet	007024
Operating temperature	-25...+60 °C
Standard	CEA GEI 1-84, EN 54-17, EN 54-18
Protection category	IP30 IP65 with additional housing FDCH221
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
Storage temperature	-30...+65 °C
Cable capacity	0.2...1.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> )
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Communication protocol	FDnet/C-NET
Quiescent current	0.6...0.75 mA
Relay output (volt-free)	AC 250 V, 4 A, max. 1000 VA DC 30 V, 4 A, max. 120 W
Dimensions (W x H x D)	130 x 90 x 20 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Order No.	Product No.
A5Q00002369	FDCIO222

**FDCIO224**

**Input/output module (VdS interface extinguishing)**



For the connection of 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 (AC 250 V / 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.

Data sheet	007024
Operating temperature	-25...+60 °C
Standard	CEA GEI I-084, EN 54-17, EN 54-18
Protection category	IP30
	IP65 with additional housing FDCH221
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
Storage temperature	-30...+65 °C
Cable capacity	0.2...1.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> )
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS
	C-NET -> FS720
Communication protocol	FDnet/C-NET
Quiescent current	0.6...0.75 mA
Relay output (volt-free)	AC 250 V, 4 A, max. 1000 VA
	DC 30 V, 4 A, max. 120 W
Dimensions (W x H x D)	130 x 90 x 20 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail
	TS35_288 U-rail
	FDCH221 Housing IP65

Order No.	Product No.
A5Q00018689	<b>FDCIO224</b>

**Input/output module 'Transponder'**

**FDCIO223**

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 inputs/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.

Data sheet	009168
Operating temperature	-25...+60 °C
Standard	CEA GEI I-084, EN 54-13, EN 54-17, EN 54-18
Power supply	External input voltage DC 18...32 V
Protection category	IP30
	IP65 with additional housing FDCH221
Relative humidity	≤85 % rel.
Operating voltage	FDnet/C-NET: DC 12...33 V
EOL resistor	3.3 kΩ/680 Ω, 2.7 kΩ/560 Ω, 3.3 kΩ
Storage temperature	-30...+65 °C
Cable capacity	0.2...1.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> )
Control output	DC 24 V ± 5 % / 2x 1 A or 1x 1.5 A
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Communication protocol	FDnet/C-NET
Detector line	Collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300, collective/SynoLINE600 or similar
Dimensions (W x H x D)	132 x 90 x 24 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Order No.	Product No.
S24218-B102-A1	FDCIO223

## Addressable fire peripherals

### Addressable modules

#### Accessories line separator, input-, input/output modules

##### FCA1209-Z1

##### Output module (230 V)



The FCA1209-Z1 module is directly connected with the monitored output line and provides one potential-free contact. It is an output module for the control of ventilation, air conditioning, elevators, etc.

Data sheet	A6V10371354
Operating voltage	DC 14.5...30 V
Operating current	Max. 0.1 mA
Communication protocol	Monitored output line
Protection category	IP30
Operating temperature	-25...+65 °C
Storage temperature	-25...+65 °C
Relay output (NO)	AC 230 V, max. 5 A / DC 30 V, max. 5 A
Relative humidity	≤95 % rel.
Color	Housing -> ~RAL 9010, Pure white
Color housing/cover	~RAL 9010, Pure white / transparent matt
Dimensions (W x H x D)	95 x 23 x 71 mm
Standard	EN 54-18
Accessories	FDCH221 Housing for input/output modules A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54400-B124-A1	FCA1209-Z1

##### 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
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Order No.	Product No.
BPZ:5644780001	TS35_122

##### 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
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Order No.	Product No.
BPZ:5644230001	TS35_288

Addressable fire peripherals  
Addressable modules  
**Accessories line separator, input-, input/output modules**

**Housing for input/output modules**

**FDCH221**

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.



Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

	Order No.	Product No.
	S54312-F3-A1	FDCH221

**Connection terminal 2,5 mm<sup>2</sup>, 3-pole**

**DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

	Order No.	Product No.
	BPZ:4942340001	DBZ1190-AB

**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
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	Order No.	Product No.
	A5Q00004478	A5Q00004478

**Back nut M20**

**A5Q00004479**

Back nut to screwed cable gland M20 x 1.5.



Delivery unit	10 pieces
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	Order No.	Product No.
	A5Q00004479	A5Q00004479

Addressable fire peripherals  
**Floor repeater panels, mimic display**  
**Floor repeater terminals**

**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 systems.

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.

Power supply via FDnet/C-NET, separate 24 V power supply possible.

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

Data sheet	009393
Operating voltage	DC 12...32 V
Supply voltage	DC 20...30 V
	AC 15...18 V (external supply input)
Current consumption	5 mA @ 24 V (quiescent current, LCD illumination inactive)
	45 mA @ 24 V (max. current, LCD illumination active)
Cable capacity	0.8...1.5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
System compatibility	FDnet -> FS20
	C-NET -> FS720
Protection category	IP30
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Color	~RAL 7035, Light gray
Dimensions (W x H x D)	282 x 207 x 79 mm
Standard	EN 54-17, EN 54-18
Accessories	FHA2013-A1 Rear (FT201x flat)

Order No.                      Product No.

A5Q00014104                  **FT2010-A1**



**Floor repeater terminal**

**FT2010-C1**



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 systems.

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.

Data sheet	009393
Operating voltage	DC 12...32 V
Supply voltage	DC 20...30 V
Current consumption	AC 15...18 V (external supply input)
	5 mA @ 24 V (quiescent current, LCD illumination inactive)
	45 mA @ 24 V (max. current, LCD illumination active)
Cable capacity	0.8...1.5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
System compatibility	FDnet -> FS20
	C-NET -> FS720
Protection category	IP30
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Color	~RAL 7035, Light gray
Dimensions (W x H x D)	282 x 207 x 46 mm
Standard	EN 54-17, EN 54-18
Accessories	FHA2013-A1 Rear (FT201x flat)

	Order No.	Product No.
	S54400-F34-A1	<b>FT2010-C1</b>

Addressable fire peripherals  
**Floor repeater panels, mimic display**  
**Floor repeater display**

**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 systems. 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.

Data sheet	009393
Operating voltage	DC 12...32 V
Supply voltage	DC 20...30 V
	AC 15...18 V (external supply input)
Current consumption	5 mA @ 24 V (Quiescent current, LCD illumination inactive)
	45 mA @ 24 V (max. current, LCD illumination active)
Cable capacity	0.8...1.5 mm <sup>2</sup>
Communication protocol	FDnet/C-NET
System compatibility	FDnet -> FS20
	C-NET -> FS720
Protection category	IP30
Operating temperature	-8...+42 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Color	~RAL 7035, Light gray
Dimensions (W x H x D)	282 x 207 x 79 mm
Standard	EN 54-17, EN 54-18
Accessories	FHA2013-A1 Rear (FT201x flat)

Order No.	Product No.
A5Q00017706	<b>FT2011-A1</b>

**FHA2013-A1**

**Rear (FT201x flat)**



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

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

Order No.	Product No.
A5Q00016552	<b>FHA2013-A1</b>

**Mimic display driver**

**FT2001-A1**

The FT2001-A1 has 2x 24 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.

Data sheet	A6V10082691
Operating voltage	DC 12...32 V
Operating current	Max. 45 mA
Cable capacity	0.08...1.5 mm <sup>2</sup>
Key input (buzzer off, lamp test)	2
Communication protocol	FDnet/C-NET
Quiescent current	Max. 5 mA
External supply input	DC 14...32 V, galvanically isolated AC 11...22 V, galvanically isolated
System compatibility	FDnet -> FS20 C-NET -> FS720
Protection category	IP30 (third-party housing)
Operating temperature	0...+40 °C
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel.
Operating LED output	Max. 2.5 mA @ DC 2.5 V
Buzzer output	Max. 5 mA @ DC 12 V
Dimensions (W x H x D)	106 x 200 x 45 mm
Standard	EN 54-17, EN 54-18
Accessories	F50F410 LED flat cable 50-wire

Order No.	Product No.
A5Q00014417	FT2001-A1

**LED flat cable 50-wire, with 24 red LEDs**

**F50F410**

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



Cable length	1 m
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Order No.	Product No.
BPZ:5291410001	F50F410





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### Alarm indicator - Door frame

FDAI91

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 lights up as soon as a connected fire detector gives an alarm.

Screwless connection terminals.

The alarm indicator is suitable for door frames.



Data sheet	A6V10276520
Protection category	IP40
Operating voltage	DC 5...8 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA
Relative humidity	≤95 % rel.
Cable capacity	Max. 1,5 mm <sup>2</sup>
Dimensions (W x H x D)	62 x 37 x 24 mm
Color	~RAL 9010 Pure white

Order No.

Product No.

S54370-F9-A1

FDAI91

### Alarm indicator - Surface

FDAI92

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 lights up as soon as a connected fire detector gives an alarm.

Screwless connection terminals.

The alarm indicator is suitable for wall mounting.



Data sheet	A6V10276520
Protection category	IP40
Operating voltage	DC 5...8 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA
Relative humidity	≤95 % rel.
Cable capacity	Max. 1,5 mm <sup>2</sup>
Ex-classification	Ex ib IIC T6 (Ta ≤ 55 °C) Ex ib IIC T5 (Ta ≤ 70 °C)
Dimensions (W x H x D)	85 x 85 x 28 mm
Color	~RAL 9010 Pure white
Accessories	A1330 Adapter frame

Order No.

Product No.

S54370-F3-A1

FDAI92

## Visual parallel alarm indicators

### Alarm indicators

#### AI series for C-NET devices

##### FDAI93



##### Alarm indicator - Flush

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 FDAI93 requires a 22,5 mm mounting hole.

Data sheet	A6V10276520
Protection category	IP56 with DCA1191 IP65 with DJZ1193
Operating voltage	DC 6...8 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA
Relative humidity	≤95 % rel.
Cable capacity	Max. 1,5 mm <sup>2</sup>
Dimensions (Ø x D)	22 x 51 mm
Color	Transparent
Accessories	DCA1191 Housing (IP56) DJZ1193 Housing (IP65)

Order No.	Product No.
S54370-F5-A1	FDAI93

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##### FDCAI221



##### Addressable alarm indicator

The FDCAI221 addressable alarm indicators are connected to the loop and can be programmed 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.

Data sheet	A6V10244934
Operating temperature	-10...+55 °C
Standard	EN 54-17, EN 54-18
Protection category	IP40
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
Quiescent current	240...400 µA
Dimensions (W x H x D)	85 x 85 x 32 mm
Color	~RAL 9010 Pure white
Accessories	AI330 Adapter frame

Order No.	Product No.
S54370-F10-A1	FDCAI221

##### 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.

Data sheet	007162, 007267, A6V10276522, A6V10229141, 001520, 001679, A6V10276520
Dimensions (W x H x D)	85 x 85 x 16 mm

Order No.	Product No.
BPZ:3169430001	AI330



### Housing (empty)

DCA1191

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.



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

Order No.	Product No.
BPZ:4588560001	DCA1191

### 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
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Order No.	Product No.
BPZ:2473130001	BPZ:2473130001

### 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
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Order No.	Product No.
A5Q00004478	A5Q00004478

### Alarm indicator housing incl. washer

DJZ1193

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



Protection category	IP55
Dimensions (W x H x D)	87 x 87 x 64 mm
Color	~RAL 9010 Pure white

Order No.	Product No.
BPZ:5302950001	DJZ1193

### Mounting bracket

MVH1

For mounting of the alarm indicator housing FDAI93 and detectors in hollow floors.



Length	0.29...0.42 m (pipe clamp 1/2")
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Order No.	Product No.
BPZ:3496190001	MVH1





### Roshni Sounder red

ROLP/R/S

Roshni Sounder for general signaling and fire alarm use, for internal and external applications.

- Red ABS plastic housing
- 32 different tones (user selectable)
- Automatic synchronization
- Second input for secondary tone in two-stage alarm systems
- Adjustable sound intensity



Data sheet	A6V10423405
Standard	EN 54-3
Protection category	IP54 (IP65 with DAB)
Operating voltage	DC 18...28 V
Operating temperature	-25...+70 °C
Operating current	15 mA
Volume at 24 V and 1 m	102 db
Dimensions (Ø x H)	93 x 63 mm; 93 x 93 mm with adapter base
Color	Red

Order No.	Product No.
GBI:1082507	ROLP/R/S

### Roshni Sounder white

ROLP-W

Roshni Sounder for general signaling and fire alarm use, for internal and external applications.

- White ABS plastic housing
- 32 different tones (user selectable)
- Automatic synchronization
- Second input for secondary tone in two-stage alarm systems
- Adjustable sound intensity



Data sheet	A6V10423405
Standard	EN 54-3
Protection category	IP54 (IP65 with DAB)
Operating voltage	DC 18...28 V
Operating temperature	-25...+70 °C
Operating current	15 mA
Volume at 24 V and 1 m	102 db
Dimensions (Ø x H)	93 x 63 mm; 93 x 93 mm with adapter base
Color	White

Order No.	Product No.
S54370-N44-A1	ROLP-W

### Accessories

#### Deep adapter base - red

DAB-R

Deep base for surface wiring. Red ABS plastic housing.

Data sheet	A6V10423405
Dimensions (Ø x H)	93 x 50 mm
Color	Red



Order No.	Product No.
S54370-N27-A1	DAB-R

## Conventional alarm equipment

### Alarm sounders

#### DAB-W



#### Deep adapter base - white

Deep base for surface wiring. White ABS plastic housing.

Data sheet	A6V10423405
Dimensions (Ø x H)	93 x 50 mm
Color	White

Order No. Product No.

S54370-N27-A2 **DAB-W**

#### 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.

Data sheet	001790
Standard	EN 54-3
Protection category	IP42
Operating voltage	DC 9...30 V
Operating temperature	-25...+85 °C
Number of sounds	4
Alarm current	3...15 mA
Volume at 24 V and 1 m	86...97 dB
Frequency range	510...970 Hz
Cable capacity	0.28...1.5 mm <sup>2</sup>
Dimensions (Ø x D)	110 x 35 mm
Color	~RAL 9003, Signal white

Order No. Product No.

BPZ:5371040001 **AGT24.1**

### Beacon with white housing and white flash light for ceiling mounting

SOL-LX-C-WW

Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- White ABS plastic housing for surface mounting
- For ceiling mounting
- White flash color
- Ultra low current consumption
- Up to 7.5 m diameter coverage (C-3-7.5)
- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption
- Selectable range reduction to 3 m reduces the power consumption up to 50 %



Data sheet	A6V10423405
Standard	EN 54-23
Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Dimensions (Ø x H)	93 x 37 mm; 93 x 65 mm with adapter base
Color	White / white

Order No.	Product No.
S54370-N29-A1	SOL-LX-C-WW

### Beacon with white housing and red flash color for ceiling mounting

SOL-LX-C-WR

Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- White ABS plastic housing for surface mounting
- For ceiling mounting
- Red flash color
- Ultra low current consumption
- Up to 7.5 m diameter coverage (C-3-7.5)
- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption
- Selectable range reduction to 3 m reduces the power consumption up to 50 %



Data sheet	A6V10423405
Standard	EN 54-23
Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Dimensions (Ø x H)	93 x 37 mm; 93 x 65 mm with adapter base
Color	White / red

Order No.	Product No.
S54370-N29-A2	SOL-LX-C-WR

## Conventional alarm equipment

### Beacons

#### SOL-LX-W-WW



#### Beacon with white housing and white flash color for wall mounting

Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- White ABS plastic housing for surface mounting
- For wall mounting
- White flash color
- Ultra low current consumption
- Up to 7.5 m room coverage (W-2.4-7.5)
- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption
- Selectable range reduction to 2.5 m reduces the power consumption up to 50 %

Data sheet	A6V10423405
Standard	EN 54-23
Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base
Color	White / white

Order No.	Product No.
S54370-N30-A2	SOL-LX-W-WW

#### SOL-LX-W-RR



#### Beacon with red housing and red flash color for wall mounting

Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- Red ABS plastic housing for surface mounting
- For wall mounting
- Red flash color
- Ultra low current consumption
- Up to 7.5 m room coverage (W-2.4-7.5)
- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption
- Selectable range reduction to 2.5 m reduces the power consumption up to 50 %

Data sheet	A6V10423405
Standard	EN 54-23
Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base
Color	Red / red

Order No.	Product No.
S54370-N30-A3	SOL-LX-W-RR

### Beacon with white housing and red flash color for wall mounting

SOL-LX-W-WR

Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- White ABS plastic housing for surface mounting
- For wall mounting
- Red flash color
- Ultra low current consumption
- Up to 7.5 m room coverage (W-2.4-7.5)
- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption
- Selectable range reduction to 2.5 m reduces the power consumption up to 50 %



Data sheet	A6V10423405
Standard	EN 54-23
Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base
Color	White / red

Order No.	Product No.
S54370-N30-A4	SOL-LX-W-WR

### Beacon with red housing and white flash color for wall mounting

SOL-LX-W-RW

Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- Red ABS plastic housing for surface mounting
- For wall mounting
- White flash color
- Ultra low current consumption
- Up to 7.5 m room coverage (W-2.4-7.5)
- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption
- Selectable range reduction to 2.5 m reduces the power consumption up to 50 %



Data sheet	A6V10423405
Standard	EN 54-23
Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base
Color	Red / white

Order No.	Product No.
S54370-N30-A1	SOL-LX-W-RW

## Conventional alarm equipment

### Beacons

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#### Accessories

##### DAB-R



##### Deep adapter base - red

Deep base for surface wiring. Red ABS plastic housing.

Data sheet	A6V10423405
Dimensions (Ø x H)	93 x 50 mm
Color	Red

Order No.	Product No.
S54370-N27-A1	<b>DAB-R</b>

##### DAB-W



##### Deep adapter base - white

Deep base for surface wiring. White ABS plastic housing.

Data sheet	A6V10423405
Dimensions (Ø x H)	93 x 50 mm
Color	White

Order No.	Product No.
S54370-N27-A2	<b>DAB-W</b>

### Sounder beacon with red housing and white flash color

RoLP-LX-RW

Sounder beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- Red ABS plastic housing for surface mounting
- For wall mounting
- White flash color
- Ultra low current consumption
- Up to 7.5 m (switchable to 2.5 m) room coverage volume (W-2.4-7.5)
- Switch flash rate to 0.5 Hz to reduce the current consumption
- Reduces power consumption by up to 50 %



Data sheet	A6V10423405
Standard	EN 54-3, EN 54-23
Protection category	IP65
Operating voltage	DC 18...28 V
Operating temperature	-25...+70 °C
Operating current	22...37 mA
Volume at 24 V and 1 m	102 db
Dimensions (W x H x D)	95 x 135 x 95 mm
Color	Red / white

Order No.	Product No.
S54370-N28-A1	RoLP-LX-RW

### Sounder beacon with white housing and white flash color

RoLP-LX-WW

Sounder beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- White ABS plastic housing for surface mounting
- For wall mounting
- White flash color
- Ultra low current consumption
- Up to 7.5 m (switchable to 2.5 m) room coverage volume (W-2.4-7.5)
- Switch flash rate to 0.5 Hz to reduce the current consumption
- Reduces power consumption by up to 50 %



Data sheet	A6V10423405
Standard	EN 54-3, EN 54-23
Protection category	IP65
Operating voltage	DC 18...28 V
Operating temperature	-25...+70 °C
Operating current	22...37 mA
Volume at 24 V and 1 m	102 db
Dimensions (W x H x D)	95 x 135 x 95 mm
Color	White / white

Order No.	Product No.
S54370-N28-A2	RoLP-LX-WW

## Conventional alarm equipment

### Alarm sounder beacons

#### RoLP-LX-RR



#### Sounder beacon with red housing and red flash color

Sounder beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- Red ABS plastic housing for surface mounting
- For wall mounting
- Red flash color
- Ultra low current consumption
- Up to 7.5 m (switchable to 2.5 m) room coverage volume (W-2.4-7.5)
- Switch flash rate to 0.5 Hz to reduce the current consumption
- Reduces power consumption by up to 50 %

Data sheet	A6V10423405
Standard	EN 54-3, EN 54-23
Protection category	IP65
Operating voltage	DC 18...28 V
Operating temperature	-25...+70 °C
Operating current	22...37 mA
Volume at 24 V and 1 m	102 db
Dimensions (W x H x D)	95 x 135 x 95 mm
Color	Red / red

Order No.	Product No.
S54370-N28-A4	RoLP-LX-RR

#### RoLP-LX-WR



#### Sounder beacon with white housing and red flash color

Sounder beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.

- White ABS plastic housing for surface mounting
- For wall mounting
- Red flash color
- Ultra low current consumption
- Up to 7.5 m (switchable to 2.5 m) room coverage volume (W-2.4-7.5)
- Switch flash rate to 0.5 Hz to reduce the current consumption
- Reduces power consumption by up to 50 %

Data sheet	A6V10423405
Standard	EN 54-3, EN 54-23
Protection category	IP65
Operating voltage	DC 18...28 V
Operating temperature	-25...+70 °C
Operating current	22...37 mA
Volume at 24 V and 1 m	102 db
Dimensions (W x H x D)	95 x 135 x 95 mm
Color	White / red

Order No.	Product No.
S54370-N28-A3	RoLP-LX-WR



### Flashing signal lamp - orange

ALB24.1OR

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 applications.  
The adapter base for IP65 must be ordered separately.



Data sheet	001570
Protection category	IP54
Operating voltage	DC 20...30 V
Operating temperature	-20...+55 °C
Alarm current	155 mA (3.7 W)
Frequency range	Ca. 1 Hz (60/min.)
Flash energy	2 Joule
Cable capacity	1.5 mm <sup>2</sup>
Dimensions (Ø x D)	93 x 75 mm
Accessories	DAB-W deep adapter base for IP65

Order No.	Product No.
BPZ:5154140001	ALB24.1OR

### Deep adapter base - white

DAB-W

Deep base for surface wiring. White ABS plastic housing.

Data sheet	A6V10423405
Dimensions (Ø x H)	93 x 50 mm
Color	White



Order No.	Product No.
S54370-N27-A2	DAB-W



**SIEMENS**

*Ingenuity for life*

# Safeguarding our future!

**Advanced fire protection for students,  
buildings and research assets.**

Safeguarding educational facilities is a challenge: it involves protecting the lives of thousands of people, ensuring uninterrupted learning as well as keeping buildings, unique documents and research assets safe. Siemens offers an advanced portfolio for reliable fire protection for all campus applications – student accommodation, research facilities, event venues and server rooms – each of which has its own specific challenges. The offering from Siemens covers all aspects of fire safety: false alarm-free early fire detection, orderly evacuation, safe extinguishing and a large, fail-safe system network for the entire campus.

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## 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 are perfect for covering areas containing highly flammable materials. Furthermore, Cerberus PRO offers a complete range for areas subject to explosion hazards and for areas that require very high sensitivity.

- Radio fire detectors – for areas with architectural restrictions
- Flame detection – for areas with highly flammable materials
- Linear smoke detectors – for high ceiling areas with limited accessibility
- Aspirating smoke detection – for areas requiring high sensitivity
- Ex detectors – for areas subject to explosion hazards



**FDCW241**



**Radio gateway**

Application of the wireless fire detection system is where only restricted use of cable or conduit is permitted because of structural or aesthetic reasons, or for reasons of architectural conservation. By wireless coupling the complex or visible cable installation is void; this is particularly interesting for museums, churches, etc.

The system offers the additional advantage that installation is possible without interruption of operation. With change or extension of the building, smoke detectors and manual call points can be displaced easily, without high investment. Bi-directional data communication in the frequency range of 868 - 870 MHz and 433 - 435 MHz.

The 3.6 V lithium battery (must be ordered separately) leads to a service life not less than 6 years. Also available in different colors.

Data sheet	A6V10271323
Standard	EN 54-17, EN 54-18, EN 54-25, EN 300220-2
Radio frequency	868...870 MHz (SRD band) and 433...435 MHz
Channel width	50 kHz
Transmission distance	Max. 180 m in building Max. 1000 m in open air
Transmitting power	Typ. <10 (max. 25) mW ERP
Operating temperature	-10...+ 55 °C
Supply voltage	Via FDnet or C-NET, additionally 3.6 V lithium battery, monitored
Transmitter/receiver antenna	Dual band antenna
Protection category	IP40 (IP65 with housing FDCH221)
Relative humidity	≤95 % rel.
Color	~RAL 9010 Pure white
Communication protocol	FDnet/C-NET
Dimensions (W x H x D)	89 x 167 x 28 mm
Accessories	FDCH221 Housing for input/output modules DBZ1190-AB Connection terminal 2,5 mm <sup>2</sup> , 3-pole BAT3.6-10 Li-SOCI2 battery 3.6 V, 10 Ah FDUZ227 MCL-USB adapter (radio)

Order No.	Product No.
S54370-F11-A1	<b>FDCW241</b>

**Accessories FDCW241**

**FDCH221**



**Housing for input/output modules**

Housing with seal for the mounting of several devices for wet applications. The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

Order No.	Product No.
S54312-F3-A1	<b>FDCH221</b>

**Connection terminal 2,5 mm<sup>2</sup>, 3-pole**

**DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	<b>DBZ1190-AB</b>

**Li-SOCI2 battery 3.6 V, 10 Ah**

**BAT3.6-10**

For the supply of the radio gateway and radio detector.

Data sheet	A6V10271323
Dimensions (W x H x D)	72 x 49 x 15 mm



Order No.	Product No.
S54370-Z11-A1	<b>BAT3.6-10</b>

Special applications  
**Special detectors**  
**SWING**

**FDOOT271**



**Neural radio fire detector**

The FDOOT271 offers a uniform response to the various types of fires, a dynamic analysis of the sensor signal in the detector itself, a built-in diagnostic algorithms with automatic self-test, a high immunity to false alarms and ambient influences, a high-quality opto-electronic sensor system and an automatic compensation of soiling.

This smoke detector is battery-operated (must be ordered separately) and can be mounted at any position within radio range.

Also available in different colors.

Data sheet	A6V10271323
Standard	EN 54-5, EN 54-7, EN 54-25, EN 300220-2
Radio frequency	868...870 MHz (SRD band) and 433...435 MHz
Channel width	50 kHz
Transmission distance	Max. 180 m in building Max. 1000 m in open air
Transmitting power	Typ. <10 (max. 25) mW ERP
Operating temperature	-10...+ 55 °C
Supply voltage	3.6 V lithium battery, monitored
Transmitter/receiver antenna	Dual band antenna
Protection category	IP44
Relative humidity	≤95 % rel.
Color	~RAL 9010 Pure white
Communication protocol	FDnet/C-NET
Dimensions (W x H x D)	117 x 64 x 100 mm (with detector base FDB271)
Accessories	FDB271 Detector base BAT3.6-10 Li-SOCI2 battery 3.6 V, 10 Ah FDZ291 Detector dust cap

Order No.	Product No.
S54313-F1-A1	FDOOT271

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**FDB271**



**Detector base**

Base made of impact and scratch-proof plastic and environmentally safe materials. The base is required for the installation of the radio neural fire detector FDOOT271.

Also available in different colors.

Data sheet	A6V10271323
Color	~RAL 9010 Pure white

Order No.	Product No.
S54319-F12-A1	FDB271

## Accessories FDOOT271

### Detector locking device

Threaded pin M3 x 6 to protect detector against theft.

#### Scope of delivery

2 hexagonal wrenches  
100 threaded pins

**FDBZ293**



Order No.

Product No.

A5Q00005035

**FDBZ293**

### Designation plate

To identify the location address for detector bases.

Data sheet 007775  
Color Transparent  
Dimensions (W x H) 62 x 35 mm  
Delivery unit 10 pieces

**FDBZ291**



Order No.

Product No.

A5Q00002621

**FDBZ291**

### Li-SOCI2 battery 3.6 V, 10 Ah

For the supply of the radio gateway and radio detector.

Data sheet A6V10271323  
Dimensions (W x H x D) 72 x 49 x 15 mm

**BAT3.6-10**



Order No.

Product No.

S54370-Z11-A1

**BAT3.6-10**

### Detector dust cap

To cover the detector for protection against dust during construction work.

Color Red  
Delivery unit 10 pieces

**FDZ291**



Order No.

Product No.

A5Q00004814

**FDZ291**

Special applications  
**Special detectors**  
**SWING**

**FDM273\_\_**



**Radio manual call point**

The radio manual call point consists of a housing part and a switching unit incl. radio electronic and dual band antenna. The FDM273 is battery-operated and can be mounted at each place within a radio range. Manual call point with indirect alarm actuation by breaking the glass and pressing the pushbutton. The housing FDMH273-R, the switching unit FDME273 and the 3.6 V lithium battery must be ordered separately.

Data sheet	A6V10271323
Standard	EN 54-11, EN 54-25, EN 300220-2
Radio frequency	868...870 MHz (SRD band) and 433...35 MHz
Channel width	50 kHz
Transmission distance	Max. 180 m in building Max. 1000 m in open air
Transmitting power	Typ. <10 (max. 25) mW ERP
Operating temperature	-10...+55 °C
Supply voltage	3.6 V lithium battery, monitored
Transmitter/receiver antenna	Dual band antenna
Protection category	IP44
Relative humidity	≤95 % rel.
Color	~RAL 3000, Flame red
Communication protocol	FDnet/C-NET
Dimensions (W x H x D)	135 x 135 x 58 mm
Accessories	FDMH273-R Housing red, with glass and key FDME273 Switching unit with indirect alarm actuation DMZ1197-AC Protective cover DMZ1195 Spare key DMZ1196-AC Spare glass neutral BAT3.6-10 Li-SOCI2 battery 3.6 V, 10 Ah

**Products to select from**

FDME273	Switching unit with indirect alarm actuation
FDMH273-R	Housing red, with glass and key

Order No.	Product No.
FDM273__	FDM273__

**FDMH273-R**



**Housing red, with glass and key**

Housing red, with glass and key for electronic unit.

Color	~RAL 3000 Flame red
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Order No.	Product No.
S54323-B109-A1	FDMH273-R



### Switching unit with indirect alarm actuation

**FDME273**

Switching unit with built-in alarm indicator (LED). Two-colored LEDs for alarm and test.



Order No.

Product No.

S54323-B108-A1

**FDME273**

### Accessories FDM273

#### Protective cover

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.

**DMZ1197-AC**



Data sheet

A6V10236643

Delivery unit

5 pieces

Order No.

Product No.

BPZ:5223550001

**DMZ1197-AC**

#### Li-SOCI2 battery 3.6 V, 10 Ah

**BAT3.6-10**

For the supply of the radio gateway and radio detector.

Data sheet

A6V10271323

Dimensions (W x H x D)

72 x 49 x 15 mm



Order No.

Product No.

S54370-Z11-A1

**BAT3.6-10**

Special applications  
**Special detectors**  
**SWING**

**FDM275**



**Radio manual call point FDM275**

Radio manual call point type A. The alarm is activated directly by pressing the plastic insert. The radio manual call point consists of a front part including radio electronics and dual-band antenna as well as a back box. There the battery (order separately) will be inserted.  
 A key is used to reset the radio manual call point and restore readiness for operation.

Data sheet	A6V10271323
Standard	EN 54-11 (Typ A indoor) EN 54-25, EN 300220-2
Radio frequency	868...870 MHz (SRD band) and 433...435 MHz.
Channel width	50 kHz
Transmission distance	In the buidling: max. 180 m In the open air: max. 1000 m
Transmitting power	Typ. 10 (max. ≤25) mW ERP
Operating temperature	-10...+55 °C
Supply voltage	Battery pack with AA 3.6 V lithium batteries
Transmitter/receiver antenna	Dual band antenna
Protection category	IP24D
Relative humidity	≤95 % rel.
Color	~RAL 3000 Flame red
Dimensions (W x H x D)	87 x 87 x 63
Accessories	FDMC295 Protective cover FDMG295 Glass plate neutral FDMG295-F Glass plate 'French' FDMP295-F Plastic element 'French' FDMK295 Spare key

Order No.	Product No.
S54323-F105-A1	<b>FDM275</b>

**Accessories FDM275**

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**BAT3.6-10**



**Li-SOCI2 battery 3.6 V, 10 Ah**

For the supply of the radio gateway and radio detector.

Data sheet	A6V10271323
Dimensions (W x H x D)	72 x 49 x 15 mm

Order No.	Product No.
S54370-Z11-A1	<b>BAT3.6-10</b>

**FDMC295**



**Protective cover**

The protective cover protects the manual call points from unintentional glass break.

Data sheet	A6V10206486, 009023
Delivery unit	10 pieces
Color	Transparent

Order No.	Product No.
A5Q00013440	<b>FDMC295</b>

## Infrared flame detector

FD\_

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 FDF241-9 and the base FDFB291 must be ordered separately.



Data sheet	007012
Standard	EN 54-10, EN 54-17
Relative humidity	≤95 % rel.
Communication protocol	FDnet/C-NET, collective, conventional
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720 Collective, conventional -> CZ10, BC10, FC10, XC10, CS11, FC700A, FC330A, SIGMASYS, BMS, SM80/88/D100
Dimensions (W x H x D)	135 x 135 x 77 mm
Ext. alarm indicator	2
Color	~RAL 9010, Pure white
Accessories	DFZ1190 Rain hood FDFZ241 Rain hood (plastic) MV1 Mounting bracket MWV1 Ball and socket joint

### Products to select from

FDF241-9	ASA flame detector unit (3 sensors)
FDFB291	Base for infrared flame detectors FDF241-9

Order No.

Product No.

FD\_

FD\_

## ASA flame detector unit (3 sensors)

FDF241-9

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

3 infrared sensors with **ASA** technology.

The base FDFB291 must be ordered separately.



Operating voltage	FDnet/C-NET -> DC 12...33 V Collective/conv. -> DC 14...28 V
Protection category	IP67
Storage temperature	-40...+75 °C
Operating temperature	-35...+70 °C
Quiescent current	FDnet/C-NET -> 0,7 mA Collective/conv. -> 0,5 mA
Dimensions (W x H x D)	135 x 135 x 32 mm

Order No.

Product No.

A5Q00003006

FDF241-9

Special applications  
**Special detectors**  
**Infrared flame detectors**

**FDFB291**

**Base for infrared flame detectors FDF241-9**



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

Cable capacity	0,2...1,5 mm <sup>2</sup> (AWG24...15)
Dimensions (W x H x D)	135 x 135 x 45 mm
Accessories	A5Q00004478 Screwed cable gland M20

Order No.	Product No.
A5Q00003310	<b>FDFB291</b>

**Accessories**

**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
------------------------	--------------------

Order No.	Product No.
BPZ:5302660001	<b>DFZ1190</b>

**FDFZ241**

**Rain hood (plastic)**



Rain hood made of plastic (ABS) for protecting the flame detector in outdoor applications.

Dimensions (W x H x D)	197 x 255 x 121 mm
------------------------	--------------------

Order No.	Product No.
S54330-N4-A1	<b>FDFZ241</b>

**MV1**

**Mounting bracket**



Mounting bracket for volumetric surveillance, fixes the fame detector at the correct angle.

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

Order No.	Product No.
BPZ:3950450001	<b>MV1</b>

9

### Ball and socket joint

**MWV1**

Ball and socket joint for the flame detector for the orientation to a defined object.

Dimensions (W x H x D) 120 x 164 x 118 mm



Order No.

Product No.

BPZ:3674840001

**MWV1**

### Test lamp for flame detectors

**LE3**

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



Data sheet

AlgoRex, Synova, Sinteso: 000252; Cerberus PRO:  
A6V10203222

Operating temperature

-20...+45 °C

Battery capacity

1x 12 V / 7 Ah

Storage temperature

-20...+45 °C

Order No.

Product No.

BPZ:3669510001

**LE3**

Special applications  
**Special detectors**  
**Linear smoke detectors**

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.

Data sheet	007017
Standard	EN 54-12, EN 54-17
Protection category	IP65
Relative humidity	≤95 % rel.
Storage temperature	-30...+75 °C
Operating temperature	-25...+60 °C
Communication protocol	FDnet/C-NET, collective, conventional
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720 collective, conventional -> CZ10, BC10, FC10, XC10, CS11, FC700A, FC330A, SIGMASYS, BMS, SM80/88/D100
Dimensions (W x H x D)	135 x 135 x 115 mm
Ext. alarm indicator	2
Color	~RAL 9010, Pure white
<b>Products to select from</b>	
FDL241-9	ASA linear smoke detector unit
FDLB291	Base for linear smoke detector FDL241-9

Order No.	Product No.
FDL__	FDL__

### ASA linear smoke detector unit

FDL241-9

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



Operating voltage	FDnet/C-NET -> DC 12...33 V Collective/conv. -> DC 14...28 V
Quiescent current	0,8 mA / 0,7 mA
Dimensions (W x H x D)	135 x 135 x 70 mm
Accessories	DLR1191 Reflector for long distance DLR1192 Reflector for middle distance DLR1193 Reflector for short distance DLF1191-AA Short distance filter for 7...10 m DLF1191-AB Short distance filter for 5...8 m DLF1191-AC Extraneous light filter DLH1191A Detector heating FDLU291 Adjustment device

Order No.	Product No.
A5Q00002298	FDL241-9

### Base for linear smoke detector FDL241-9

FDLB291

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

Cable capacity	0,2...1,5 mm <sup>2</sup> (AWG24...15)
Dimensions (W x H x D)	135 x 135 x 45 mm
Accessories	A5Q00004478 Screwed cable gland M20



Order No.	Product No.
A5Q00003941	FDLB291

Special applications  
**Special detectors**  
**Linear smoke detectors**

Accessories

**DLR1191**



**Reflector for long distance (prism)**

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.

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

Order No.	Product No.
BPZ:4787710001	<b>DLR1191</b>

**DLR1192**



**Reflector for middle distance (foil)**

The foil consists of micro-prismatic elements, which are formed in a transparent, synthetic resin, sealed and mounted on a plastic base. The reflector foil has the same principal effect (function) as the prism. For distances of 30...65 m.

Dimensions (W x H x D)	200 x 200 x 2.5 mm
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Order No.	Product No.
BPZ:4788490001	<b>DLR1192</b>

**DLR1193**



**Reflector for short distance (foil)**

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
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Order No.	Product No.
BPZ:4787840001	<b>DLR1193</b>

**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
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Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>



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

DLF1191-AA

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



Order No.

Product No.

BPZ:4933030001

DLF1191-AA

### Filter for short distances (5...8 m)

DLF1191-AB

For short distances between 5 and 8 meters, an additional short distance filter is required. It attenuates the detector signal over short distances. The short distance filter can be inserted directly into the detector unit.



Order No.

Product No.

BPZ:4933160001

DLF1191-AB

### Filter against external light influences

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 (not possible if short distance filter is inserted).



Order No.

Product No.

BPZ:5221480001

DLF1191-AC

### Detector heating

DLH1191A

Enables operation of a linear smoke detector where there is a risk of condensation. DC 24 V external power supply is necessary.

Operating voltage

DC 20...30 V

Operating current

30...50 mA



Order No.

Product No.

BPZ:4787970001

DLH1191A

### Adjustment device set for linear smoke detector

FDLU291

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.



Order No.

Product No.

A5Q00004905

FDLU291

Special applications  
**Special detectors**  
**Linear smoke detectors**

**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 TF04 Alarm test filter  
 FDUM291 Telescope rod  
 FDUM292 Telescope rod

Order No.	Product No.
BPZ:3685190001	<b>RE10</b>

**TF04**



**Alarm test filter (absorption 77 %)**

Alarm test filter for detector tester RE10.

Order No.	Product No.
BPZ:4931090001	<b>TF04</b>

## Air sampling smoke detection kit

FDBZ290

The air sampling smoke detection kit is a passive monitoring system without a fan of its own. It uses the pressure differences within the ventilation system to continuously take air samples from the ventilation duct via the air flow tube and supply them to the air sampling smoke detection kit.

The air sampling smoke detection kit works only if the ventilation system is in operation and the air in circulation.

The air to be monitored must usually be clean, i.e. free of dust and aerosols.

If the smoke detector detects a certain concentration of smoke, the corresponding danger level is reported to the fire control panel which, in turn, triggers an alarm.

The specialized Sinteso and Cerberus PRO smoke detectors and bases must be ordered separately.



Data sheet	A6V10405166
Protection category	IP54
Relative humidity	≤95 % rel.
Operating temperature	-20...+50 °C
System compatibility	Sinteso: FDnet, collective Cerberus PRO: C-NET, collective
Permissible air speed	1...20 m/s
Airflow indicator	≥1 m/s
Color	~RAL 7001, Silver gray
Accessories	FDBZ290-AA Air flow tube, length 600 mm FDBZ290-AB Air flow tube, length 1500 mm FDBZ290-AC Air flow tube, length 2800 mm FDBZ290-AD Mounting bracket FDBZ292-AD Sealing kit A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004479 Back nut M20 x 1.5

Order No.

Product No.

S54319-S32-A1

FDBZ290

Special applications  
**Special detectors**  
**Air sampling smoke detection**

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 mode you have the possibility to choose between three parameter sets: Standard Plus (PS1), Suppression (PS5) and High Sensitive Fast (PS9).

The base must be ordered separately.

**Scope of delivery**

Detector and dust cap

Data sheet	A6V10284161
Standard	CEA 4021, EN 54-5, EN 54-7, EN 54-17
Protection category	IP40 IP44 with detector base seal RS720
Operating voltage	DC 12...33 V
Operating temperature	-25...+55 °C
Storage temperature	-30...+70 °C
Quiescent current	~170...250 µA
Ext. alarm indicator	2
System compatibility	C-NET -> FS720
Communication protocol	C-NET or collective/conventional
Relative humidity	≤95 % rel.
Dimensions (Ø x H)	117 x 49 mm (incl. base)
Color	~RAL 9010, Pure white
Accessories	LP720 Detector locking device

Order No.	Product No.
S54320-F7-A3	OOH740

9

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 mm<sup>2</sup>. Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.

For all point detectors in 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.

Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54319-F11-A1	DB721

### Detector base (parameter set 1)

DB110

Standard conventional / collective detector base for all 110-series and OOH740 point detectors. Selects parameter set 1 within detectors.  
For recess supply wiring or for surface supply wiring, cable diameter up to 8 mm.



Data sheet	A6V10301051
Cable capacity	0.2...1.6 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	FDBZ291 Designation plate RS720 Detector base seal BA720 Base attachment BA721 Base attachment wet LP720 Detector locking device DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54372-F5-A1	DB110

### Detector base

DB721D

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<sup>2</sup>. Place for auxiliary terminals 2x DBZ1190-AA and 2x DBZ1190-AB.

For the OOH740 point detector of the series Cerberus PRO in conventional mode when connected on detector lines compliant to BS 5839 (part 1).

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 mm <sup>2</sup>
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 23 mm
Accessories	DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole FDBZ291 Designation plate RS720 Detector base seal

Order No.	Product No.
S54319-F15-A1	DB721D

### Parameter set resistor 68k

PSR720-2

Preassembled resistors complete with spade terminals suitable for easy installation into DB110 and DB721D detector bases to set the OOH740 detector into parameter set High Sensitive Fast (PS9).



Delivery unit	25 pieces
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Order No.	Product No.
S54319-F17-A1	PSR720-2

Special applications  
**Special detectors**  
**Air sampling smoke detection**

Accessories

**FDBZ290-AA**

**Air flow tube 600 mm**



For taking air samples from ventilation ducts with a diameter of 100...600 mm

Data sheet A6V10405166

Length 0.6 m

Order No. S54319-B33-A1 Product No. **FDBZ290-AA**

**FDBZ290-AB**

**Air flow tube ≤1400 mm**



For taking air samples from ventilation ducts with a diameter of 600...1400 mm.

Data sheet A6V10405166

Length 1.5 m

Order No. S54319-B33-A2 Product No. **FDBZ290-AB**

**FDBZ290-AC**

**Air flow tube ≤2700 mm**



For taking air samples from ventilation ducts with a diameter of 1400...2700 mm.

Data sheet A6V10405166

Length 2.8 m

Order No. S54319-B33-A3 Product No. **FDBZ290-AC**

**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

Order No. A5Q00021367 Product No. **FDBZ292-AD**

**FDBZ290-AD**

**Mounting bracket**



For fastening the air sampling smoke detection kit on round and insulated ventilation ducts.

Data sheet A6V10405166

Order No. S54319-B34-A1 Product No. **FDBZ290-AD**

**Connection terminal 2,5 mm<sup>2</sup>, 3-pole**

**DBZ1190-AB**

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.



Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	DBZ1190-AB

**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
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Order No.	Product No.
A5Q00004478	A5Q00004478

**Back nut M20**

**A5Q00004479**

Back nut to screwed cable gland M20 x 1.5.



Delivery unit	10 pieces
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Order No.	Product No.
A5Q00004479	A5Q00004479

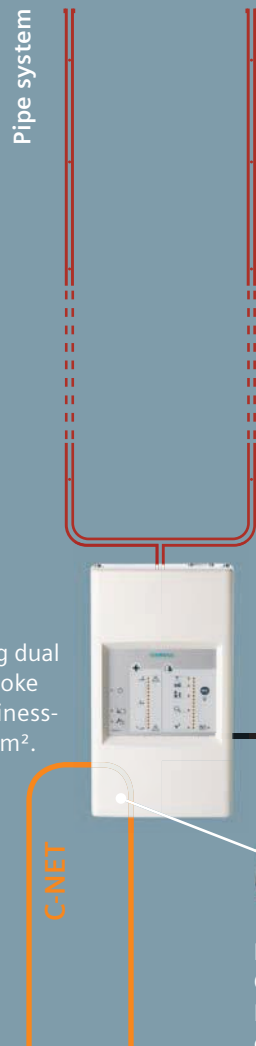






# System overview of the aspirating smoke detection system from Siemens

The FDA241/221 series of detectors consists of very early warning dual wavelength smoke detectors designed to protect small to medium, business-critical environments.



The aspirating smoke detector continually takes air from the monitored room using a connected pipe system with defined aspirating holes.

The position and size of the aspirating holes are calculated with the ,FXS2056 ASD Asyst tool V2' software.

## FDA 241 ASD from Siemens

The FDA241 is a very early warning dual wavelength (blue & infrared) smoke detector designed to protect business-critical environments up to 800 m<sup>2</sup>.

## FP120-Z1 Power supply kit A (70 W)

The standalone power supply (70 W) FP120 converts the mains voltage to system voltage and charges the batteries.

DC 24 V

C-NET

## FDCC221S

### Communication interface

For connecting the aspirating smoke detectors FDA221/FDA241 to FDnet/C-NET.

## ASD – detection modes from ultra sense to robust



### Ultra sense

This mode is suitable for use in clean rooms where there is a low dust load. The sensitivity to small smoke particles is very high and dust suppression is low. As a result, the detector is very sensitive even to minor changes relating to smoke or dust in the intake air.



### Automatic discrimination

This mode is suitable for standard use. The sensitivity to small smoke particles is high and dust suppression is normal. Particle size is taken into account. This reduces the likelihood of a false alarm.



### Robust

This mode is suitable for use in dirty rooms where there is a high dust load. The sensitivity to small smoke particles is lower, but this results in a higher level of dust suppression. This makes use possible in a dirty environment or in changing ambient conditions.

Your benefit: When adapting the ASD to the individual environment you can select from up to 10 parameter sets in each detection mode.

Special applications  
**Special detectors**  
**Aspirating Smoke Detection**

**FDA221**

**Siemens ASD**



The FDA221 series of detectors are a very early warning dual wavelength (blue and infrared) smoke detectors designed to protect small business-critical environments up to 500 m<sup>2</sup>. The detector works by continually drawing air into sampling holes in a pipe network. The air is passed into a uniquely designed detection chamber where light scattering technology detects the presence of very small amounts of smoke. The FDA221 detectors can communicate directly on the FDnet/C-NET loops (with an optional FDCC221S communication interface), so there is no need for separate relay or network connections.

Data sheet	A6V10331032
Operating voltage	DC 19...30 V
Operating current	150 mA nominal, 250 mA in alarm
Dimensions (W x H x D)	155 x 280 x 114 mm
Sound level	High 33 dB, medium 30 dB, low 26 dB
Operating temperature	-20...+60 °C
Relative humidity	5...95% rel. (no condensation)
Pipe length	30 m (single pipe length) 50m (total pipe length)
Air inlet pipe	Metric: 21 mm ID...25 mm OD
Relay outputs	3x 2 A / 30 V
Alarm threshold	0.14...2.0 % obs/m / info alarm, pre-alarm, fire 1 (5 sets) 6.0...20 % obs/m / fire 2 (5 sets)
Area coverage	Up to 500 m <sup>2</sup>
Display	3 Alarm state indicators Fault indicators Smoke and airflow level Bargraphs
Communication protocol	FDnet/C-NET (with FDCC221S)
Protection category	IP30
Terminals	0.2...2.5 mm <sup>2</sup> (30 - 12 AWG)

Order No.	Product No.
S54333-F15-A1	<b>FDA221</b>

**Siemens ASD**

**FDA241**

The FDA241 series of detectors are a very early warning dual wavelength (blue and infrared) smoke detectors designed to protect small business-critical environments up to 800 m<sup>2</sup>. The detector works by continually drawing air into sampling holes in a pipe network. The air is passed into a uniquely designed detection chamber where light scattering technology detects the presence of very small amounts of smoke. The FDA241 detectors can communicate directly on the FDnet/C-NET loops (with an optional FDCC221S communication interface), so there is no need for separate relay or network connections.



Data sheet	A6V10331032
Operating voltage	DC 19...30 V
Operating current	150 mA nominal, 250 mA in alarm
Dimensions (W x H x D)	155 x 280 x 114 mm
Sound level	High 37 dB, medium 33 dB, low 30 dB
Operating temperature	-20...+60 °C
Relative humidity	5...95 % (no condensation)
Pipe length	60 m (single pipe length) 120m (total pipe length)
Air inlet pipe	Metric: 21 mm ID...25 mm OD
Relay outputs	4x 2 A / 30 V
Alarm threshold	0.03...2.0 % obs/m / info alarm, pre-alarm, fire 1 (10 sets) 2.0...20 % obs/m / fire 2 (10 sets)
Area coverage	Up to 800 m <sup>2</sup>
Display	4 Alarm state indicators Fault indicators Purge Dust Smoke and airflow level Bargraphs
Communication protocol	FDnet/C-NET (with FDCC221S)
Protection category	IP30
Terminals	0.2...2.5 mm <sup>2</sup> (30 - 12 AWG)

Order No.	Product No.
S54333-F17-A1	FDA241

**Accessories**

**Communication interface**

**FDCC221S**

For connecting the aspirating smoke detector FDA221 / FDA241 to FDnet/C-NET. FDCC221S has its own ID. This ID is made visible to the detector line and it replaces the ID of the aspirating smoke detector. Using the FDCC221S, different fault and alarm states are individually displayed at the panel.



Data sheet	A6V10331032
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Order No.	Product No.
S24218-A201-A2	FDCC221S

Special applications  
**Special detectors**  
**Aspirating Smoke Detection**

**FP120-Z1**

**Power supply kit A (70 W)**



The standalone power supply (70 W) FP120 converts the mains voltage to system voltage and charges the batteries. It monitors mains voltage and batteries and provides one fault signal and relay output each. To support external powered devices with system voltage it provides two separated and isolated outputs 24 V.

Data sheet	A6V10416448
Mains voltage	AC 98...127 V / AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2x 12 V, 7 Ah or 12 Ah or 17 Ah
System voltage output	2x 24 V / 1 A or 1x 24 V / 2 A
Relative humidity	≤95 % rel. (no condensation)
Storage temperature	-20...+60 °C
Protection category	IP30
Color housing/cover	~RAL 9010, Pure white
Dimensions (W x H x D)	430 x 399 x 124 mm

Order No.	Product No.
S54400-S122-A1	<b>FP120-Z1</b>



**SIEMENS**

*Ingenuity for life*

## Are you fired up for more safety?

**Reliable and deception-free fire protection  
for all explosive atmospheres**

Ex zones are demanding environments and require exceptional solutions for reliable fire protection. What makes the addressable Ex solution from Siemens unique? It's the first to cover all Ex zones for gas, including zone 0 that has a constant explosive atmosphere. The line adapter (Ex) is galvanically isolated and up to 31 detectors and manual call points can be connected. The addressable detector has redundant sensors and the unique **ASAtechnology™** from Siemens inside. These and many more features make the Ex solution from Siemens the ideal choice for new installations as well as for upgrading, modernizing or extending existing systems with the latest technology step by step. Get fired up for more safety!

[siemens.com/ex-solutions](https://www.siemens.com/ex-solutions)



# Explosion-hazard area products

The unique Ex solution from Siemens

## Classification of Ex areas

The Ex solution from Siemens is the first on the market that covers all Ex zones for gas – including zone 0, which has a constant explosive atmosphere. The manual call point can additionally be used in Ex zones for dust (20, 21 and 22).

### Gas

#### Zone 0

An area in which an explosive mixture of air and flammable gases, vapors or mists is **continuously** or **frequently** present or present **for long periods**.

#### Zone 1

An area in which an explosive mixture of air and flammable gases, vapors or mists is **likely** to occur in **normal operation**.

#### Zone 2

An area in which an explosive mixture of air and flammable gases, vapors and mists is **not likely** to occur in normal operation and if it occurs it will exist **only for a short time**.

### Dust

#### Zone 20

An area in which an explosive mixture of air and combustible dust in the form of a cloud is **continuously** or **frequently** present or present **for long periods**.

#### Zone 21

An area in which an explosive mixture of air and combustible dust in the form of a cloud is **likely** to occur in **normal operation**.

#### Zone 22

An area in which an explosive mixture of air and combustible dust in the form of a cloud is **not likely** to occur in normal operation and if it occurs it will exist **only for a short time**.

## Non-explosion-hazard area



Fire control panel  
FC72X



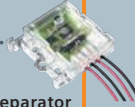
Installation housing  
for line adapter  
FDCL221-Ex, FDCH222  
Protection category: IP66  
Order no.: S54329-A1

Line adapter (Ex)  
FDCL221-Ex

Order no.: S54329-F4-A1



Multi-line  
separator  
module  
FDCL221-M  
Order no.:  
S54312-F6-A1



Line separator  
FDCL221  
Order no.:  
A5Q00004011

Line adapter (Ex)  
FDCL221-Ex

Order no.: S54329-F4-A1



Input/output module FDCIO223

Order no.: S24218-B102-A1

FDCI723

Order no.: S54322-F6-A1



Fire control panel  
addressable FC360



Fire control panel  
conventional FC120



Alarm device DB3

Volume at 24 V and 1 m: 101... 115 dB  
Ex classification: II 2 G Ex d IIC T5 (-20 °C ≤ Ta ≤ 55 °C)  
Protection category: IP66/67  
Order no.: BPZ:5757970001



Mounting bracket  
MVH1

Order no.: BPZ:3496190001

Washer

Order no.: BPZ:2473130001

Screwed cable gland  
M20 x 1.5

Order no.: A5Q00004478

Manual call point FDM223-Ex

Ex classification: II 1 G Ex ia IIC T4 Ga  
(-35 °C ≤ Ta ≤ 70 °C)  
Ex classification: II 1 D Ex ia IIB T135 °C  
Da, Ta (-35 °C...+70 °C)  
Order no.: S54329-F5-A1



Ball and socket joint WV1

Order no.: BPZ:3674840001

Mounting bracket MV1

Order no.: BPZ:3950450001

Rain hood DZF1190

Order no.: BPZ:5302660001

Rain hood (plastic) FDFZ241

Order no.: S54330-N4-A1

## Accessories for FDCI723 and FDCIO223

FDCI723  
Order no.: S54322-F6-A1



Screwed cable gland  
M20 x 1.5  
Order no.:  
A5Q00004478



Back nut  
M20  
Order no.:  
A5Q00004479



Connection  
terminal 2.5 mm<sup>2</sup>,  
3-pole  
DBZ1190-AB  
Order no.:  
BPZ:4942340001



U-rail  
TS35/7.5/122  
TS35\_122  
Order no.:  
BPZ:5644780001



U-rail  
TS35/7.5/288  
TS35\_288  
Order no.:  
BPZ:5644230001



Housing for input/  
output modules  
FDCH221

Protection category IP65  
Order no.: S54312-F3-A1



Electronic unit for DC1192\_  
DCA1192A  
Order no.: BPZ:5081200001



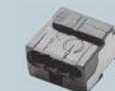
Housing (empty)  
DCA1191  
Order no.: BPZ:4588560001



Terminal base for DC1192\_  
DCB1192A  
Order no.: BPZ:5084500001



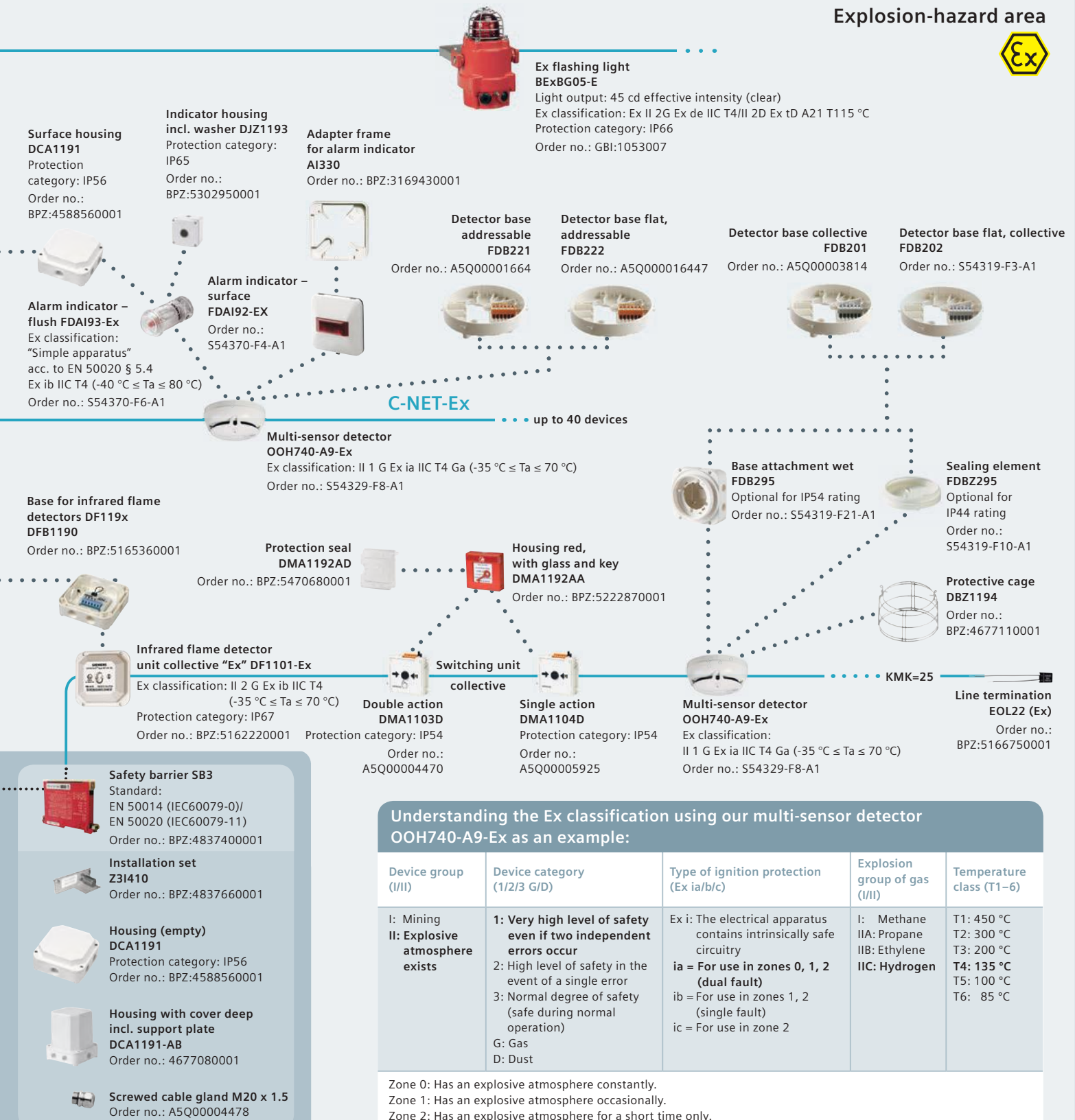
Screwed cable gland  
M20 x 1.5  
Order no.: A5Q00004478



Auxiliary terminal  
DBZ1190-AA  
Order no.: 4677080001

## Unique system design from Siemens

## Explosion-hazard area



### Understanding the Ex classification using our multi-sensor detector OOH740-A9-Ex as an example:

Device group (I/II)	Device category (1/2/3 G/D)	Type of ignition protection (Ex ia/lb/c)	Explosion group of gas (I/II)	Temperature class (T1-6)
I: Mining II: Explosive atmosphere exists	1: Very high level of safety even if two independent errors occur 2: High level of safety in the event of a single error 3: Normal degree of safety (safe during normal operation) G: Gas D: Dust	Ex i: The electrical apparatus contains intrinsically safe circuitry <b>ia</b> = For use in zones 0, 1, 2 (dual fault) <b>ib</b> = For use in zones 1, 2 (single fault) <b>ic</b> = For use in zone 2	I: Methane IIA: Propane IIB: Ethylene IIC: Hydrogen	T1: 450 °C T2: 300 °C T3: 200 °C T4: 135 °C T5: 100 °C T6: 85 °C

Zone 0: Has an explosive atmosphere constantly.  
Zone 1: Has an explosive atmosphere occasionally.  
Zone 2: Has an explosive atmosphere for a short time only.

Special applications  
Explosion-hazard area products  
C-NET line adapter Ex

FDCL221-Ex



Line adapter (Ex) for peripheral devices in potentially explosive areas

Line adapter (Ex) for operating FDnet-Ex/C-NET-Ex-peripheral devices in potentially explosive areas.

- Electrical isolation of Ex and non-Ex-lines in FDnet/C-NET
- Operation on stub or loop
- Status indicator/operating indicator with two LEDs
- MC link connection
- Installation in fire control panels or in an installation housing FDCH222
- Maximum voltage AC 253 V

Data sheet	A6V10349349
Standard	EN 60079-0:2012 EN 60079-11:2012 EN 60079-26:2007 EN 54-18
Operating voltage	DC 12...33 V AC 253 V
Protection category	IP20
Relative humidity	≤95 % rel.
Storage temperature	-30...+75 °C
Operating temperature	-25...+60 °C
Quiescent current	1.5 µA
Ex-classification	IECEX: [Ex ia Da] IIC, Ta = -25...+60 °C [Ex ia Ga] IIIC, Ta = -25...+60 °C Directive 94/9/EC (ATEX): II (1) G [Ex ia Ga] IIC, Ta = -25...+60 °C II (1) D [Ex ia Da] IIIC, Ta = -25...+60 °C
Communication protocol	FDnet/C-NET FDnet-Ex/C-NET-Ex
System compatibility	FDnet > FS20, AlgoRex, SIGMASYS C-NET > FS720
Dimensions (W x H x D)	22.5 x 117.6 x 113.8 mm
Color	Black/blue
Accessories	FDCH222 Installation housing TS35_122 U-rail TS35/7.5/122 TS35_288 U-rail TS35/7.5/288

Order No.	Product No.
S54329-F4-A1	FDCL221-Ex

Accessories

FDCH222



Installation housing

Installation housing with U-rail.

- Housing with U-rail TS35 and end bracket
- A maximum of three line adapters (Ex) FDCL221-Ex can be installed on the U-rail TS35
- It is possible to install additional devices (e.g., line separator FDCL221)

Protection category	IP66
Dimensions (W x H x D)	300 x 132 x 200 mm

Order No.	Product No.
S54329-F10-A1	FDCH222



**U-rail TS35/7,5/122**

TS35\_122

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



Dimensions (W x H) 35 x 122 mm

Order No.

Product No.

BPZ:5644780001

TS35\_122

**U-rail TS35/7,5/288**

TS35\_288

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



Dimensions (W x H) 35 x 288 mm

Order No.

Product No.

BPZ:5644230001

TS35\_288

Special applications  
**Explosion-hazard area products**  
**Addressable fire detectors Ex**

**OOH740-A9-EX**

**Multi-sensor fire detector**



- Multi sensor fire detector for potentially explosive areas.
- Signal processing with **ASA**technology
  - Multiple protocol detector (collective / C-NET-Ex)
  - Event-controlled detection behavior
  - Early and reliable detection when fires occur
  - Highly developed immunity to deceptive phenomena
  - Redundant sensor system
  - Suitable for wind speeds of 1 to 20 m/s
  - Prepared for future requirements thanks to its programmability
  - Communication via C-NET-Ex (addressed individually)
  - Address automatically issued during commissioning

Data sheet	A6V10371417
Standard	EN 54-5, EN 54-7, IEC/EN 60079-0, IEC/EN 60079-11
Operating voltage	DC 13...28 V
Protection category	IP43 IP44 with sealing kit FDBZ295
Relative humidity	≤95 % rel. (short-term moisture condensation permitted)
Storage temperature	-30...+75 °C
Operating temperature	-25...+70 °C
Quiescent current	200...280 µA
Ex-classification	IECEX scheme: Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C 94/9/EC (ATEX Directive): II 1 G Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C
Communication protocol	C-NET-Ex or collective Ex
System compatibility	C-NET-Ex > FS720
Color	~RAL 9010, Pure white
Accessories	Sealing kit FDBZ295

Order No.	Product No.
S54329-F8-A1	<b>OOH740-A9-EX</b>

## Accessories

### 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 mm<sup>2</sup> or connection terminals 2,5 mm<sup>2</sup>. For equipment with addressable signal processing. For recess supply wiring. For surface supply wiring, cable diameter up to 6 mm.

FDB221



Data sheet	Sinteso: 007775; Cerberus PRO: A6V10203095, A6V10229545
Cable capacity	0,2...1,5 mm <sup>2</sup>
Color	~RAL 9010 Pure white
Dimensions (Ø x H)	100 x 22 mm
Further accessories	FDBH291 Detector heating
Accessories	FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole FDB291 Base attachment FDB295 Base attachment wet

Order No.	Product No.
A5Q00001664	FDB221

### Base attachment

For the supply of surface-mounted lines  $\geq \varnothing 6$  mm. The detector base FDB2xx is fixed with a spring-loaded catch. Mounting slots 46...90 mm. Also available in different colors.

FDB291



Color	~RAL 9010 Pure white
Dimensions (Ø x H)	120 x 25 mm
Accessories	FDBZ291 Designation plate

Order No.	Product No.
A5Q00001603	FDB291

### Base attachment wet

Base attachment wet with an integrated additional rubber seal for applications in cold or wet environments, and when the detector heating element is used. Six breakout plugs for screwed cable gland M20.

FDB295



Protection category	IP44: with the detectors FDO2x1, FDT2x1, FDOOT221, FDOOT241, FDOOTC241 IP54: with the alarm sounders FDS221-R & FDS221-W and the alarm sounders with supplementary optical indication FDS229-R & FDS229-W
Color	~RAL 9010 Pure white
Dimensions (W x H x D)	135 x 135 x 53 mm
Accessories	A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate DBZ1194 Protective cage FDBH291 Detector heating

Order No.	Product No.
S54319-F21-A1	FDB295

Special applications  
 Explosion-hazard area products  
 Addressable fire detectors Ex

**FDBZ293**



**Detector locking device**

Threaded pin M3 x 6 to protect detector against theft.

**Scope of delivery**

2 hexagonal wrenches  
 100 threaded pins

Order No.

Product No.

A5Q00005035

**FDBZ293**

**FDBZ291**



**Designation plate**

To identify the location address for detector bases.

Data sheet

007775

Color

Transparent

Dimensions (W x H)

62 x 35 mm

Delivery unit

10 pieces

Order No.

Product No.

A5Q00002621

**FDBZ291**

**DBZ1190-AB**



**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet

001035, 007775

Cable capacity

1...2,5 mm<sup>2</sup>

Dimensions (W x H x D)

13,5 x 9,5 x 19,5 mm

Delivery unit

50 pieces

Order No.

Product No.

BPZ:4942340001

**DBZ1190-AB**

**A5Q00004478**



**Screwed cable gland M20 x 1.5**

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

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004478

**A5Q00004478**

**Detector designation plate**

**DBZ1193A**

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 designation plate is connected directly to the base or base attachment.



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

Order No.

Product No.

BPZ:4864330001

**DBZ1193A**





## Manual call point

FDM223-Ex

Manual call point addressed (FDnet-Ex / C-NET-Ex) for potentially explosive areas.

- For addressed Sinteso FS20 and Cerberus PRO FS720 fire detection systems
- With indirect activation
- Two-wire installation



Data sheet	A6V10349347
Standard	EN 54-11
Operating voltage	DC 13...28 V
Protection category	IP44
	IP66 with seal DMZ1197-AD
Operating current (quiescent)	200 µA
Relative humidity	≤95 % rel.
Storage temperature	-35...+75 °C
Operating temperature	-25...+70 °C
Ex-classification	IECEX scheme: Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C Ex ia IIIB T135 °C Da, Ta = -35 °C...+70 °C 94/9/EC (ATEX Directive): II 1 G Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C II 1 D Ex ia IIIB T135 °C Da, Ta = -35 °C...+70 °C
Communication protocol	FDnet-Ex/C-NET-Ex
System compatibility	FDnet > FS20, AlgoRex, SIGMASYS C-NET > FS720
Dimensions (W x H x D)	134 x 134 x 43 mm
Ext. alarm indicator	Max. 1
Color	~RAL 3000 Flame red
Accessories	DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 x 1.5

Order No.

Product No.

S54329-F5-A1

FDM223-Ex

## Accessories

### Protective cover

DMZ1197-AC

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.



Data sheet	A6V10236643
Delivery unit	5 pieces

Order No.

Product No.

BPZ:5223550001

DMZ1197-AC

Special applications  
Explosion-hazard area products  
Addressable manual call points Ex

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A5Q00004478



Screwed cable gland M20 x 1.5

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

Delivery unit

10 pieces

Order No.

Product No.

A5Q00004478

A5Q00004478



### Alarm indicator - Surface for explosion-hazard areas

FDAI92-Ex

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.



Data sheet	A6V10276518
Protection category	IP40
Operating voltage	DC 4...5 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA (continuous)
Relative humidity	≤95 % rel.
Ex-classification	Ex ib IIC T6 (Ta ≤ 55 °C) 'simple apparatus' acc. to EN 50020 § 5.4: Ex ib IIC T5 (Ta ≤ 70 °C)
Terminals	Max. 1.5 mm <sup>2</sup>
Dimensions (W x H x D)	85 x 85 x 28 mm
Color	~RAL 9010, Pure white
Further accessories	DJZ1193 Housing (IP65)
Accessories	AI330 Adapter frame

Order No.

Product No.

S54370-F4-A1

FDAI92-Ex

### Adapter frame for alarm indicator

AI330

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.

Data sheet	007162, 007267, A6V10276522, A6V10229141, 001520, 001679, A6V10276520
Dimensions (W x H x D)	85 x 85 x 16 mm



Order No.

Product No.

BPZ:3169430001

AI330

Special applications  
**Explosion-hazard area products**  
**Alarm Indicators Ex**

**FDAI93-Ex**

**Alarm indicator - Flush**



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.

Data sheet	A6V10276518
Protection category	IP56 with DCA1191 IP65 with DJZ1193
Operating voltage	DC 1.5 V
Operating temperature	-25...+80 °C
Operating current	Max. 20...30 mA (continuous)
Ex-classification	Ex ib IIC T6 (Ta ≤ 55 °C) 'simple apparatus' acc. to EN 50020 § 5.4: Ex ib IIC T5 (Ta ≤70 °C)
Dimensions (Ø x D)	26 x 51 mm
Color	Transparent
Further accessories	DJZ1193 Alarm indicator housing incl. washer (IP65)
Accessories	DCA1191 Housing (IP56) BPZ:2473130001 Washer

Order No.	Product No.
S54370-F6-A1	<b>FDAI93-Ex</b>

**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
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Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>

**DJZ1193**

**Alarm indicator housing incl. washer**



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

Protection category	IP55
Dimensions (W x H x D)	87 x 87 x 64 mm
Color	~RAL 9010 Pure white

Order No.	Product No.
BPZ:5302950001	<b>DJZ1193</b>

**Mounting bracket**

**MVH1**

For mounting of the alarm indicator housing FDAI93 and detectors in hollow floors.



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

Order No.

Product No.

BPZ:3496190001

**MVH1**

Explosion-Hazard Area conventional Products  
Interface to C-NET

FDCI723

Zone module, external powered



- Zone module, external powered, C-NET.
- A detector line (collective or conventional 110 series, DS11, SynoLINE 300/600) can be connected to the C-NET
  - LED indicator for detector line status: fault, test, etc.
  - Two-wire installation for all cable types
  - DC 24 V power supply, external (detector lines electrically isolated)
  - Microprocessor-controlled signal processing
  - Communication via C-NET (addressed individually)
  - Can be used in dry, dusty, and humid areas
  - Different mounting options
  - Zone module incl. 1 Transzorb diode 20 V and 2 mounting feet for TS35 U-rail

Data sheet	A6V10402143
Operating temperature	-10...+50 °C
Standard	EN 54-17, EN 54-18
Protection category	IP30
	IP65: with FDCH221 additional housing
Relative humidity	≤95 % rel.
Operating voltage	DC 12...33 V
EOL resistor	20 V transzorb diode or EOL22(Ex)
Storage temperature	-30...+70 °C
Cable capacity	0.2...1.5 mm <sup>2</sup>
System compatibility	C-NET > FS720
Communication protocol	C-NET
Detector line	110 series / DS11, SynoLINE300/600
Dimensions (W x H x D)	95 x 71 x 23 mm
Color	Housing: ~RAL 9010 Pure white Cover: Transparent matt
Input voltage	DC 12...33 V
Accessories	FDCH221 Housing with cover, seal, and screws A5Q00004478 Screwed cable gland M20 x 1.5 A5Q00004479 M20 metal counter nut DBZ1190-AB 1.0...2.5 mm <sup>2</sup> connection terminal (3-pin) FDCM291 Mounting feet (25x)

Order No.	Product No.
S54322-F6-A1	<b>FDCI723</b>

## Input/output module 'Transponder'

FDCIO223

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 inputs/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.



Data sheet	009168
Operating temperature	-25...+60 °C
Standard	CEA GEI I-084, EN 54-13, EN 54-17, EN 54-18
Power supply	External input voltage DC 18...32 V
Protection category	IP30
	IP65 with aux. housing FDCH221
Relative humidity	≤85 % rel.
Operating voltage	FDnet/C-NET: DC 12...33 V
EOL resistor	3.3 kΩ/680 Ω, 2.7 kΩ/560 Ω, 3.3 kΩ
Storage temperature	-30...+65 °C
Cable capacity	0.2...1.5 mm <sup>2</sup> (2.5 mm <sup>2</sup> )
Control output	DC 24 V ± 5 % / 2x 1 A or 1x 1.5 A
System compatibility	FDnet -> FS20, AlgoRex, SIGMASYS C-NET -> FS720
Communication protocol	FDnet/C-NET
Detector line	Collective GMT Siemens/Cerberus, Synova conventional/SynoLINE300, collective/SynoLINE600 or similar
Dimensions (W x H x D)	132 x 90 x 24 mm
Color	~RAL 9010 Pure white / transparent matt
Accessories	TS35_122 U-rail TS35_288 U-rail FDCH221 Housing IP65

Order No.

Product No.

S24218-B102-A1

FDCIO223

## Accessories

### Housing for input/output modules

Housing with seal for the mounting of several devices for wet applications.  
The required screwed cable glands and back nuts M20 must be ordered separately.

Data sheet	A6V10202196
Protection category	IP65
Color	~RAL 9010 Pure white / transparent matt
Dimensions (W x H x D)	207 x 119 x 48 mm
Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20

FDCH221



Order No.

Product No.

S54312-F3-A1

FDCH221

Special applications  
**Explosion-Hazard Area conventional Products**  
**Interface to C-NET**

**DBZ1190-AB**



**Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4942340001	<b>DBZ1190-AB</b>

**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
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Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>

**A5Q00004479**



**Back nut M20**

Back nut to screwed cable gland M20 x 1.5.

Delivery unit	10 pieces
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Order No.	Product No.
A5Q00004479	<b>A5Q00004479</b>

**EOL22(Ex)**



**Line termination**

End-of-line unit for collective detection lines or as end-of-line unit within explosion-hazard areas of zones 1 and 2.

Order No.	Product No.
BPZ:5162220001	<b>EOL22(Ex)</b>

### Input/output module for galvanic isolation

DC1192-I\_\_

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.

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

#### Products to select from

DCA1191	Housing (empty)
DCA1192A	Electronic unit for DC1192
DCB1192A	Terminal base for DC1192

Order No.	Product No.
DC1192-I__	DC1192-I__

### Housing (empty)

DCA1191

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.



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

Order No.	Product No.
BPZ:4588560001	DCA1191

### Electronic unit for DC1192

DCA1192A

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



Detection line voltage	DC 18...22 V
Operating voltage	External DC 18...32 V
Detection line current	Max. 5 mA
Operating current	Control line max. 2 A, 60 W
Quiescent current	≤45 mA

Order No.	Product No.
BPZ:5081200001	DCA1192A

Special applications  
**Explosion-Hazard Area conventional Products**  
**Interface to collective**

**EOL22(Ex)**

**Line termination**



End-of-line unit for collective detection lines or as end-of-line unit within explosion-hazard areas of zones 1 and 2.

Order No.	Product No.
BPZ:5162220001	<b>EOL22(Ex)</b>

**Accessories**

**DBZ1190-AA**

**Micro terminal 0,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	0,28...0,5 mm <sup>2</sup>
Dimensions (W x H x D)	10 x 7 x 10 mm
Delivery unit	50 pieces

Order No.	Product No.
BPZ:4677080001	<b>DBZ1190-AA</b>

**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
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Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>



### Safety barrier

SB3

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.



Data sheet	001222
Standard	EN 50014 (IEC60079-0)/ EN 50020 (IEC60079-11)
Operating voltage	Max. DC 28 V
Operating current	Max. 100 mA

Order No.	Product No.
BPZ:4837400001	SB3

### Housing (empty)

DCA1191

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.



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

Order No.	Product No.
BPZ:4588560001	DCA1191

### Housing with cover deep, incl. support plate

DCA1191-AB

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.



Data sheet	001222
Protection category	IP56
Dimensions (W x H x D)	135 x 135 x 165 mm
Color	~RAL 9010, Pure white
Accessories	A5Q00004478 Screwed cable gland M20

Order No.	Product No.
BPZ:5463150001	DCA1191-AB

### Installation set

Z3I410

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



Order No.	Product No.
BPZ:4837660001	Z3I410

## Special applications

### Explosion-Hazard Area conventional Products

#### Ex-barrier

**DBZ1190-AA**



#### Micro terminal 0,5 mm<sup>2</sup>, 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.

Data sheet 001035, 007775

Cable capacity 0,28...0,5 mm<sup>2</sup>

Dimensions (W x H x D) 10 x 7 x 10 mm

Delivery unit 50 pieces

Order No.

Product No.

BPZ:4677080001

**DBZ1190-AA**

**A5Q00004478**



#### Screwed cable gland M20 x 1.5

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

Delivery unit 10 pieces

Order No.

Product No.

A5Q00004478

**A5Q00004478**

## Multi-sensor fire detector

OOH740-A9-EX

Multi sensor fire detector for potentially explosive areas.

- Signal processing with **ASA**technology
- Multiple protocol detector (collective / C-NET-Ex)
- Event-controlled detection behavior
- Early and reliable detection when fires occur
- Highly developed immunity to deceptive phenomena
- Redundant sensor system
- Suitable for wind speeds of 1 to 20 m/s
- Prepared for future requirements thanks to its programmability
- Communication via C-NET-Ex (addressed individually)
- Address automatically issued during commissioning



Data sheet	A6V10371417
Standard	EN 54-5, EN 54-7, IEC/EN 60079-0, IEC/EN 60079-11
Operating voltage	DC 13...28 V
Protection category	IP43 IP44 with sealing kit FDBZ295
Relative humidity	≤95 % rel. (short-term moisture condensation permitted)
Storage temperature	-30...+75 °C
Operating temperature	-25...+70 °C
Quiescent current	200...280 µA
Ex-classification	IECEX scheme: Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C 94/9/EC (ATEX Directive): II 1 G Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C
Communication protocol	C-NET-Ex or collective Ex
System compatibility	C-NET-Ex > FS720
Color	~RAL 9010, Pure white
Accessories	Sealing kit FDBZ295

Order No.

Product No.

S54329-F8-A1

**OOH740-A9-EX**

Special applications  
**Explosion-Hazard Area conventional Products**  
**Conventional fire detectors Ex**

**Accessories**

**FDB202**



**Detector base flat, collective**

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 'gray'. Space for auxiliary terminals as micro terminals 0,5 mm<sup>2</sup> or connection terminals 2,5 mm<sup>2</sup>. For fire detectors with collective signal processing. For recess supply wiring. Also available in different colors.

Data sheet	007775
Cable capacity	0.2...1.5 mm <sup>2</sup>
Color	~RAL 9010 Pure white
Dimensions (Ø x H)	100 x 22 mm
Accessories	FDBZ291 Designation plate DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> , 4-pole DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> , 3-pole

Order No.	Product No.
S54319-F3-A1	<b>FDB202</b>

**FDB201**



**Detector base collective**

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 'gray'. Space for auxiliary terminals as micro terminals 0,5 mm<sup>2</sup> or connection terminals 2,5 mm<sup>2</sup>. For fire detectors with collective signal processing. For recess supply wiring. For surface supply wiring, cable diameter up to 6 mm.

Data sheet	007775
Cable capacity	0,2...1,5 mm <sup>2</sup>
Color	~RAL 9010 Pure white
Dimensions (Ø x H)	100 x 22 mm
Accessories	FDBZ291 Designation plate FDBH291 Detector heating DBZ1190-AA Micro terminal 0.5 mm <sup>2</sup> DBZ1190-AB Connection terminal 2.5 mm <sup>2</sup> FDB291 Base attachment FDB295 Base attachment wet

Order No.	Product No.
A5Q00003814	<b>FDB201</b>

**FDB291**



**Base attachment**

For the supply of surface-mounted lines ≥Ø 6 mm. The detector base FDB2xx is fixed with a spring-loaded catch. Mounting slots 46...90 mm. Also available in different colors.

Color	~RAL 9010 Pure white
Dimensions (Ø x H)	120 x 25 mm
Accessories	FDBZ291 Designation plate

Order No.	Product No.
A5Q00001603	<b>FDB291</b>

### Base attachment wet

**FDB295**

Base attachment wet with an integrated additional rubber seal for applications in cold or wet environments, and when the detector heating element is used. Six breakout plugs for screwed cable gland M20.



Protection category	IP44: with the detectors FDO2x1, FDT2x1, FDOOT221, FDOOT241, FDOOTC241 IP54: with the alarm sounders FDS221-R & FDS221-W and the alarm sounders with supplementary optical indication FDS229-R & FDS229-W
Color	~RAL 9010 Pure white
Dimensions (W x H x D)	135 x 135 x 53 mm
Accessories	A5Q00004478 Screwed cable gland M20 DBZ1193A Detector designation plate DBZ1194 Protective cage FDBH291 Detector heating

	Order No.	Product No.
	S54319-F21-A1	FDB295

### Detector locking device

**FDBZ293**

Threaded pin M3 x 6 to protect detector against theft.

**Scope of delivery**  
2 hexagonal wrenches  
100 threaded pins



	Order No.	Product No.
	A5Q00005035	FDBZ293

### Designation plate

**FDBZ291**

To identify the location address for detector bases.

Data sheet	007775
Color	Transparent
Dimensions (W x H)	62 x 35 mm
Delivery unit	10 pieces



	Order No.	Product No.
	A5Q00002621	FDBZ291

## Special applications

### Explosion-Hazard Area conventional Products

#### Conventional fire detectors Ex

##### DBZ1190-AB



##### Connection terminal 2,5 mm<sup>2</sup>, 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.

Data sheet	001035, 007775
Cable capacity	1...2,5 mm <sup>2</sup>
Dimensions (W x H x D)	13,5 x 9,5 x 19,5 mm
Delivery unit	50 pieces

Order No. Product No.

BPZ:4942340001 **DBZ1190-AB**

##### 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
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Order No. Product No.

A5Q00004478 **A5Q00004478**

##### DBZ1193A



##### Detector designation plate

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

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

Order No. Product No.

BPZ:4864330001 **DBZ1193A**

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

DM1103(Ex)\_\_\_

For immediate manual actuation of an alarm. For indoor and outdoor applications, 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 pushbutton. To replace the glass plate, open the housing door with the key. The pushbutton must be reset before closing the door again. The housing DMA1192-AA and the switching unit DMA1103D must be ordered separately.



Data sheet	A6V10236643
Operating temperature	-25...+70 °C
Protection category	IP54 (IP65 with protection seal and screwed cable gland)
Standard	EN 54-11
Dimensions (W x H x D)	134 x 134 x 43 mm
Ex-classification	'simple apparatus' acc. to EN50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole)

**Products to select from**

DMA1103D	Switching unit collective (double action)
DMA1192-AA	Housing red, with glass and key

Order No.	Product No.
DM1103(Ex)___	DM1103(Ex)___

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

DM1104(Ex)\_\_\_

For immediate manual actuation of an alarm. For indoor and outdoor applications, 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.



Data sheet	A6V10236643
Operating temperature	-25...+70 °C
Protection category	IP54 (IP65 with protection seal and screwed cable gland)
Standard	EN 54-11
Dimensions (W x H x D)	134 x 134 x 43 mm
Ex-classification	'simple apparatus' acc. to EN 50020 § 5.4 Ex ib IIC T4 (Ta ≤70 °C)
Accessories	DMZ1197-AD Protection seal DMZ1197-AC Protective cover A5Q00004478 Screwed cable gland M20 A5Q00006735 Locking plug M20 (1 hole)

**Products to select from**

DMA1104D	Switching unit collective (single action)
DMA1192-AA	Housing red, with glass and key

Special applications

Explosion-Hazard Area conventional Products

Conventional manual call points Ex

Order No.	Product No.
DM1104(Ex)___	DM1104(Ex)___

**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 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	DC 16...26 V
Operating current	60...100 mA
Terminal block	Min. 0.28...1.5 mm <sup>2</sup>

Order No.	Product No.
A5Q00005925	DMA1104D

**DMA1192-AA**

**Housing red, with glass and key**



Manual call point housing for the switching units DMA110xD.

Data sheet	A6V10236643
Color	~RAL 3000, Flame red

Order No.	Product No.
BPZ:5222870001	DMA1192-AA



**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 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.

Data sheet	008246
Operating voltage	DC 16...26 V
Operating current	60...100 mA
Terminal block	Min. 0.28...1.5 mm <sup>2</sup>

Order No.	Product No.
A5Q00004470	DMA1103D



## Accessoires

### Protection seal

Protects the manual call point in wet applications.  
The seal improves the manual call point housing's protection category.

Delivery unit 5 pieces

**DMZ1197-AD**



Order No.	Product No.
BPZ:5470680001	<b>DMZ1197-AD</b>

### Protective cover

Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.

Data sheet A6V10236643

Delivery unit 5 pieces

**DMZ1197-AC**



Order No.	Product No.
BPZ:5223550001	<b>DMZ1197-AC</b>

### 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**



Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>

### 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.

Delivery unit 10 pieces  
Color ~RAL 3000, Flame red

**A5Q00006735**



Order No.	Product No.
A5Q00006735	<b>A5Q00006735</b>

## Special applications

### Explosion-Hazard Area conventional Products Infrared flame detector Ex

#### 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.

Data sheet	001744
Standard	EN 54-10 for flame detector EN 50014 (IEC 60079-0)/ EN 50020 (IEC 60079-11) for explosion-hazard areas
Protection category	IP67
Relative humidity	≤95 % rel.
Storage temperature	-40...+75 °C
Operating temperature	-35...+70 °C
Ex-classification	II 2 G Ex ib IIC T4 (-35 °C ≤ Ta ≤ 70 °C)
Dimensions (W x H x D)	135 x 135 x 77 mm
Color	~RAL 9010, Pure white

#### Products to select from

DF1101-Ex	Infrared flame detector unit collective 'Ex'
DFB1190	Base for infrared flame detectors DF119x

Order No.	Product No.
DF11Ex__	DF11Ex__

#### DF1101-Ex



#### Infrared flame detector unit collective 'Ex'

Flame detector DF1101-Ex intrinsically safe for Ex-protected areas. The infrared flame detector DF1101-Ex is designed to the explosion protection category 'Intrinsic safety' Ex i.

One sensor measures the hot carbon dioxide in a specific flame wavelength; the two other sensors simultaneously measure the interference radiation in other wavelengths. With intelligent signal processing through fuzzy algorithms and wavelet analysis, the DF1101-Ex achieves excellent detection reliability while maintaining the highest immunity to interference radiation and sunlight. In order to safeguard against a possible decision emergency, the detector contains an additional emergency activation channel.

It is suitable for chemical production plants, oil refineries, propane and butane filling installations, for all explosion-hazard areas in which flaming fires involving carbonaceous materials could be expected. The base DFB1190 must be ordered separately.

Operating voltage	DC 16...28 V
Quiescent current	0.5 mA
Ex-classification	II 2 G Ex ib IIC T4 (-35 °C ≤ Ta ≤ 70 °C)
Dimensions (W x H x D)	135 x 135 x 32 mm

Order No.	Product No.
BPZ:5166750001	DF1101-Ex

### Base for infrared flame detectors DF119x

**DFB1190**

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



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

Order No.	Product No.
BPZ:5165360001	<b>DFB1190</b>

### Accessories

#### 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
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Order No.	Product No.
A5Q00004478	<b>A5Q00004478</b>

#### Test lamp for flame detectors 'Ex'

**StabexHF**

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.



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

Order No.	Product No.
BPZ:4620910001	<b>StabexHF</b>

## Special applications

### Explosion-Hazard Area conventional Products

#### Alarm indicators Ex

##### 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.

Data sheet	A6V10276518
Protection category	IP40
Operating voltage	DC 4...5 V
Operating temperature	-25...+80 °C
Operating current	Max. 35 mA (continuous)
Relative humidity	≤95 % rel.
Ex-classification	Ex ib IIC T6 (Ta ≤ 55 °C) 'simple apparatus' acc. to EN 50020 § 5.4: Ex ib IIC T5 (Ta ≤70 °C)
Terminals	Max. 1.5 mm <sup>2</sup>
Dimensions (W x H x D)	85 x 85 x 28 mm
Color	~RAL 9010, Pure white
Further accessories	DJZ1193 Housing (IP65)
Accessories	AI330 Adapter frame

Order No.

Product No.

S54370-F4-A1

FDAI92-Ex

##### 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.

Data sheet	007162, 007267, A6V10276522, A6V10229141, 001520, 001679, A6V10276520
Dimensions (W x H x D)	85 x 85 x 16 mm

Order No.

Product No.

BPZ:3169430001

AI330

## Alarm indicator - Flush

FDAI93-Ex

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.



Data sheet	A6V10276518
Protection category	IP56 with DCA1191 IP65 with DJZ1193
Operating voltage	DC 1.5 V
Operating temperature	-25...+80 °C
Operating current	Max. 20...30 mA (continuous)
Ex-classification	Ex ib IIC T6 (Ta ≤ 55 °C) 'simple apparatus' acc. to EN 50020 § 5.4: Ex ib IIC T5 (Ta ≤ 70 °C)
Dimensions (Ø x D)	26 x 51 mm
Color	Transparent
Further accessories	DJZ1193 Alarm indicator housing incl. washer (IP65)
Accessories	DCA1191 Housing (IP56) BPZ:2473130001 Washer

Order No.	Product No.
S54370-F6-A1	FDAI93-Ex

## Accessories

### 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
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Order No.	Product No.
A5Q00004478	A5Q00004478

### Alarm indicator housing incl. washer

DJZ1193

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



Protection category	IP55
Dimensions (W x H x D)	87 x 87 x 64 mm
Color	~RAL 9010 Pure white

Order No.	Product No.
BPZ:5302950001	DJZ1193

Special applications  
Explosion-Hazard Area conventional Products  
Alarm indicators Ex

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MVH1



**Mounting bracket**

For mounting of the alarm indicator housing FDAI93 and detectors in hollow floors.

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

Order No.

Product No.

BPZ:3496190001

**MVH1**

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

DB3

The flame-proof 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.



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

Order No.	Product No.
BPZ:5757970001	DB3

### Ex-flashing light

BEXBG05-E

Bright flashing light for Ex-zones. Built with seawater-resistant aluminum and stainless steel protection cage.

Gas zones: 1, 2

Dust zones: 21, 22



Standard	EN 60079-0:2006, EN 60079-1:2007, EN 61241-0:2006, EN 61241-1:2004
Protection category	IP67
Operating voltage	DC 18...30 V / AC 107...253 V
Operating temperature	-50 °C...+70 °C
Alarm current	300 mA/55 mA
Light intensity	5 J
Ex-classification	II 2G Ex d IIC T4 for Ta -50 °C...+70 °C II 2G Ex d IIC T5 for Ta -50 °C...+55 °C II 2G Ex d IIC T6 for Ta -50 °C...+40 °C II 2D Ex tD A21 IP67 T115 °C based on max. Ta of +70 °C
Terminals	1 x 4 mm <sup>2</sup> or 2 x 2,5 mm <sup>2</sup>
Dimensions (W x H x D)	165 x 226.5 x 145 mm
Color	~RAL 3000, Flame red

Order No.	Product No.
GBI:1053007	BEXBG05-E









## Cutting-edge technology – for all safety needs

Fire safety 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 over 160 years, we have been developing solutions for all types of problems, applications and needs, from fire detection through to alert and evacuation systems, consisting of everything from simple conventional systems to complex addressable networks. Over the years, our products and components have passed every test to which they have been subjected with flying colors.

Special equipment  
 Test equipment  
 Detector tester

DX791



Detector exchanger

Insertion and removal of all Cerberus PRO and Cerberus FIT (110-series) point detectors (OOH740 and OOHC740 require additional FDUD491 adapter). 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

Order No.	Product No.
S54319-F6-A1	DX791

Accessories

FDUD491



Adapter

Adapter to detector exchanger DX791 for removing and replacing OOH740 and OOHC740 detectors.

Data sheet	A6V10203222
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Order No.	Product No.
S54319-F18-A1	FDUD491

RE8ST



Testifire 1001-101 ST test kit

The test kit RE8ST (Testifire) can generate smoke and heat. A replaceable cartridge is used to generate smoke. The RE8ST is battery-powered and can be used to test smoke or heat detectors.  
**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.

Data sheet	A6V10397718
Operating temperature	5...+45 °C
Storage temperature	-10...+50 °C
Relative humidity	≤95 % rel.
Accessories	FDUM291 Telescope rod FDUM292 Telescope rod RE7T-A Solo719 Adapter for FDUM29x RE8-S Smoke capsules

Order No.	Product No.
S54370-S23-A1	RE8ST

### Testifire 2001-101 ST test kit

The test kit RE8STCO (Testifire) can generate smoke, heat and CO. Replaceable cartridges are used to generate smoke or CO. The RE8STCO is battery-powered and can be used to test smoke, heat and CO detectors.

**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.

#### RE8STCO



Data sheet	A6V10397718
Operating temperature	5...+45 °C
Storage temperature	-10...+50 °C
Relative humidity	≤95 % rel.
Accessories	FDUM291 Telescope rod FDUM292 Telescope rod RE7T-A Solo719 Adapter for FDUM29x RE8-S Smoke capsules RE8-CO CO capsules

Order No.	Product No.
S54370-S24-A1	RE8STCO

### TS3 smoke capsules

RE8-S is a smoke capsule developed as environment-friendly test gas for the testing of smoke detectors. It fulfills severe environmental regulations. RE8-S can be used in the temperature range of -20...+40 °C in dry or in humid environments.

Use only together with the test kit RE8ST.

#### RE8-S



Data sheet	A6V10397718
Delivery unit	6

Order No.	Product No.
S54370-N25-A1	RE8-S

### TC3 CO Capsules

RE8-CO is a CO capsule developed as environment-friendly test gas for the testing of smoke detectors. It fulfills severe environmental regulations. RE8-CO can be used in the temperature range of -20...+50 °C in dry or in humid environments.

Use only together with the test kit RE8STCO.

#### RE8-CO



Data sheet	A6V10397718
Delivery unit	6

Order No.	Product No.
S54370-N22-A1	RE8-CO

Special equipment  
 Test equipment  
 Detector tester

REF6



**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 simulates the presence of fire aerosols. The detector responds quickly and actuates an alarm. The test gas is free of halogenated chlorofluorocarbons (CFCs). 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
Further accessories	RG320 Bellow
Accessories	FDUM291 Telescope rod FDUM292 Telescope rod

Order No.	Product No.
BPZ:3680300001	<b>REF6</b>

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 °C in dry or in humid environments. Use only together with detector tester RE6.

Delivery unit	6 pieces
---------------	----------

Order No.	Product No.
A5Q00011687	<b>REF8</b>

REF8-S



**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
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Order No.	Product No.
A5Q00011688	<b>REF8-S</b>

REF8-C



**Test gas for CO detectors**

REF8-C has been developed as environment-friendly test gas for the testing of CO detectors. It fulfills severe environmental regulations. REF8-C can be used in the temperature range of -20...+50 °C in dry or in humid environments. Use only together with detector tester RE6.

Delivery unit	6 pieces
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Order No.	Product No.
S54370-N2-A1	<b>REF8-C</b>

10

### Bellow for RE6

RG320

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



Order No.

Product No.

BPZ:5166880001

RG320

### Bellow for RE6

DZZ1190

The bellow is fitted to the RE6 to fit all SynoLINE600 and AlgoRex point detectors in an ideal way.



Order No.

Product No.

BPZ:4478380001

DZZ1190

### Solo461 Heat detector tester kit

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

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

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

Data sheet

A6V10252901

Operating temperature

5...+45 °C

Storage temperature

-10...+50 °C

Relative humidity

≤95 % rel.

Accessories

RE7T-A Solo719 Adapter for FDUM29x

FDUM291 Telescope rod

FDUM292 Telescope rod



RE7T

Order No.

Product No.

S54370-S3-A1

RE7T

### Solo719 Adapter for FDUM29x

Adapter from the detector testers RE7T, RE8ST and RE8STCO to the telescope rods FDUM29x.

Data sheet

A6V10252901

RE7T-A



10

Order No.

Product No.

S54370-N4-A1

RE7T-A

Special equipment  
Test equipment  
Detector tester

**FDUM291**



**Telescope rod**

The three-part telescope with tri-oval tubes serves as an extension for the detector exchanger, detector testers and other applications up to 5 m.

Data sheet	A6V10203222
Color	Yellow, black
Length	1.6 m extendable to 4.2 m

Order No.	Product No.
A5Q00004996	<b>FDUM291</b>

**FDUM292**



**Telescope rod**

The stable, four-part telescope with round tubes serves as an extension for the detector exchanger, detector testers and other applications up to 8 m.

Data sheet	A6V10203222
Color	Yellow, black
Length	2.1 m extendable to 7.3 m

Order No.	Product No.
A5Q00004997	<b>FDUM292</b>

### SCORP 8000 Scorpion controller

SCORP 8000

Scorpion controller to trigger a test cycle. Up to 8 SCORP 2001 ASD head units can be connected to the Scorpion controller. To power the Scorpion controller, the Solo770 battery is needed. The Solo770 battery RE7T-B1 needs to be connected to the controller with the SCORP 60 battery cable.



Data sheet	A6V10448753
Dimensions (W x H x D)	150 x 155 x 37 mm
Operating temperature	+5...+45 °C
Relative humidity	≤85 % rel. (no condensation)
Protection category	IP40

Order No.	Product No.
S54333-C91-A1	SCORP 8000

### SCORP 2001 Scorpion ASD head unit

SCORP 2001

Scorpion head, positioned at the end of a pipe run and then wired to the Scorpion controller SCORP 8000.



Data sheet	A6V10448753
Dimensions (W x H x D)	155 x 54 x 34 mm
Operating temperature	0...+60 °C
Relative humidity	≤95 % rel. (no condensation)
Protection category	IP20

Order No.	Product No.
S54333-S90-A1	SCORP 2001

### SCORP 60 Scorpion battery cable

SCORP 60

Scorpion battery cable connecting the Solo770 battery RE7T-B1 with the Scorpion controller SCORP 8000.



Data sheet	A6V10448753
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Order No.	Product No.
S54333-N89-A1	SCORP 60

### Solo770 Battery for RE7T, RE8ST, RE8STCO, SCORP 8000

RE7T-B1

Use as spare part for the test devices RE7T, RE8ST, RE8STCO, SCORP 8000.



Order No.	Product No.
S54370-N7-A1	RE7T-B1

### Solo727 Charger for RE7T, RE8ST, RE8STCO, SCORP 8000

RE7T-C1

Use as spare part for charging of battery baton to the test devices RE7T, RE8ST, RE8STCO, SCORP 8000. The solo 727 charger is compatible with the Solo770 Battery (RE7T-B1). It is not compatible with the Solo760 battery (RE7T-B) or older.



Order No.	Product No.
S54370-N8-A1	RE7T-C1

New Product



Special equipment  
**Test equipment**  
**Detector tester for special detectors**

**LE3**



**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 dust. The battery FA2003-A1 must be ordered separately.

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

Order No.	Product No.
BPZ:3669510001	<b>LE3</b>

**StabexHF**



**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.

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

Order No.	Product No.
BPZ:4620910001	<b>StabexHF</b>

**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.

Order No.	Product No.
A5Q00004905	<b>FDLU291</b>

10



**Detector tester for linear smoke detectors**

**RE10**

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

Order No.	Product No.
BPZ:3685190001	<b>RE10</b>

**Accessories**

**Alarm test filter (absorption 77 %)**

**TF04**

Alarm test filter for detector tester RE10.



Order No.	Product No.
BPZ:4931090001	<b>TF04</b>

Special equipment  
**Test equipment**  
**Line tester**

**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.

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

Order No.	Product No.
A5Q00004397	<b>FDUL221</b>

**Accessories**

**A5Q00004142**



**Lithium battery 9 V / 1.2 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

Order No.	Product No.
A5Q00004142	<b>A5Q00004142</b>

10

**MCL-USB adapter (radio)**

**FDUZ227**

The MCL-USB adapter (radio) is an interface converter for USB to radio. 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).



Data sheet	A6V10355605
Power supply	Via USB
Operating temperature	-10...+55 °C
Interface	USB 2.0 Radio
Storage temperature	-20...+60 °C
Relative humidity	≤95 % rel.
Protection category	IP30
Dimensions (W x H x D)	100 x 30 x 54 mm

Order No.

Product No.

S54323-F106-A1

**FDUZ227**

# SIEMENS

*Ingenuity for life*



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

Reliable detection thanks to special **ASAtechnology™**

Fast and reliable fire detection is essential to protect people and assets. The Cerberus™ PRO detector range is the ideal solution – even if occasional deceptive phenomena occur. Because the detectors offer advanced signal processing and selectable parameter sets, they ensure very fast and highly reliable fire detection – even in the most demanding environments. For sophisticated applications, Cerberus PRO offers ASA neural fire detectors. For standard applications, the multi-sensor fire detector, the smoke detector and heat detector are the best choice. A broad spectrum of special detectors rounds off the clever Cerberus PRO offering.

[siemens.com/cerberus](https://www.siemens.com/cerberus)

**Battery (12 V, 4.5 Ah)****AX1213**

Rechargeable, sealed lead-acid battery for emergency power supply.  
2 batteries must be ordered (system voltage 24 V).

Dimensions (W x H x D)

Max. 91 x 109 x 71 mm



Order No.

Product No.

BPZ:4392990001

**AX1213****Battery (12 V, 7 Ah, VdS)****FA2003-A1**

Rechargeable, sealed lead-acid battery for emergency power supply.  
2 batteries must be ordered (system voltage 24 V).

Dimensions (W x H x D)

Max. 153 x 103 x 67 mm



Order No.

Product No.

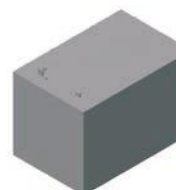
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**FA2003-A1****Battery (12 V, 12 Ah, VdS)****FA2004-A1**

Rechargeable, sealed lead-acid battery for emergency power supply.  
2 batteries must be ordered (system voltage 24 V).

Dimensions (W x H x D)

Max. 153 x 102 x 100 mm



Order No.

Product No.

A5Q00019354

**FA2004-A1****Battery (12 V, 17 Ah, VdS)****FA2005-A1**

Rechargeable, sealed lead-acid battery for emergency power supply.  
2 batteries must be ordered (system voltage 24 V).

Dimensions (W x H x D)

Max. 183 x 170 x 80 mm



Order No.

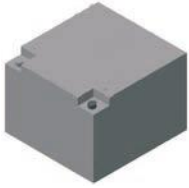
Product No.

A5Q00019677

**FA2005-A1**

## Batteries

### BAT12-25



#### Battery (12 V, 25 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)

Max. 177 x 127 x 168 mm

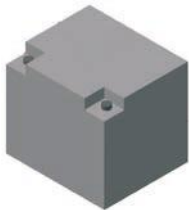
Order No.

Product No.

S54302-Z102-A1

BAT12-25

### FA2007-A1



#### Battery (12 V, 45 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)

Max. 200 x 176 x 170 mm

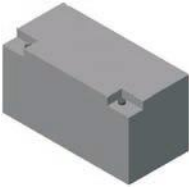
Order No.

Product No.

A5Q00022897

FA2007-A1

### 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)

Max. 355 x 185 x 170 mm

Order No.

Product No.

A5Q00019357

FA2008-A1

### 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)

Max. 333 x 222 x 175 mm

Order No.

Product No.

A5Q00023101

FA2009-A1

**FCA1215-Z1 Universal accessory kit**

**FCA1215-Z1**

The universal accessory kit includes:  
12 units EOL for the standard zone  
12 units EOL for the GB continuity zone  
2 units EOL for monitored outputs

Order No.

Product No.

S54400-S165-A1

FCA1215-Z1

**Power supply (70 W)**

**FP2015-A1**

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



Data sheet	A6V10367041
Mains voltage	AC 97...127 V / AC 196...253 V
Supply voltage	AC 97...127 V or AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2 x 12 V, 7 Ah / 12 Ah / 17 Ah
Dimensions (W x H x D)	95 x 170 x 54 mm

Order No.

Product No.

S54400-B121-A1

FP2015-A1

## Spare parts

### Addressable fire control panels FC361

#### FCM3601-Z1

#### Mainboard



The FCM3601-Z1 mainboard is a spare part for the FC361-xx fire control panels.

Order No.	Product No.
S54443-A115-A1	<b>FCM3601-Z1</b>

#### FHD3601-Z1

#### Door incl. PMI



The FHD3601-Z1 door incl. PMI is a spare part for the FC361-xx fire control panels.

Order No.	Product No.
S54443-B118-A1	<b>FHD3601-Z1</b>

#### FP2015-A1

#### Power supply (70 W)



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

Data sheet	A6V10367041
Mains voltage	AC 97...127 V / AC 196...253 V
Supply voltage	AC 97...127 V or AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2 x 12 V, 7 Ah / 12 Ah / 17 Ah
Dimensions (W x H x D)	95 x 170 x 54 mm

Order No.	Product No.
S54400-B121-A1	<b>FP2015-A1</b>



## Fire control panels FC72x and operating terminals FT724, printers

**Card cage (2 slots)**

Use only as a spare part.

**FCA2007-A1**

Order No.

Product No.

S54400-B38-A1

FCA2007-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.

**FCA2008-A1**

Order No.

Product No.

S54400-B28-A1

FCA2008-A1

**Connection module (card cage)**

The connection module is used as an internal interface between the operating unit and card cage. Use only as a spare part.

**FCA2006-A1**

Order No.

Product No.

A5Q00025980

FCA2006-A1

**Operating unit**

Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as a spare part.

Dimensions (W x H x D)

427 x 200 x 25 mm

**FCM7204-Z3**

Order No.

Product No.

S54400-F85-A1

FCM7204-Z3

**Operating unit 1 LED**

Complete operating unit (support base, keypad, PMI main board, CPU module) and 24 LED display groups, with one red/green and one yellow LED each without accessories. Use as spare part.

Dimensions (W x H x D)

427 x 200 x 25 mm

**FCM7215-Y3**

Order No.

Product No.

S54400-B151-A1

FCM7215-Y3

## Spare parts

### Fire control panels FC72x and operating terminals FT724, printers

#### FCM7206-H3



#### Operating unit (EVAC)

Complete operating unit (support base, keypad, PMI main board, CPU module) without accessories. Use as spare part.

Dimensions (W x H x D)

427 x 200 x 25 mm

Order No.

Product No.

S54400-F92-A1

**FCM7206-H3**

#### FTO2002-A1

#### LED indicator (internal)

Used only as spare part.  
24 LED display groups with one red and one yellow LED each.

Order No.

Product No.

S54400-N173-A1

**FTO2002-A1**

#### SV 24V-150W



#### Power supply (150 W)

Power supply (150 W) without accessories. Use only for replacement of SV 24V-150W with article number V242030....-A5. Use as spare part.

Order No.

Product No.

V24230-Z6-A5

**SV 24V-150W**

#### FHA7201-A3



#### Cover cap (Cerberus)

Cover with Cerberus label. Use as spare part only.

Order No.

Product No.

S54400-B77-A1

**FHA7201-A3**

#### FHA7202-A3



#### Cover cap (without print)

Cover without print. Use as spare part only.

Order No.

Product No.

S54400-B74-A1

**FHA7202-A3**

Spare parts

## Fire control panels FC72x and operating terminals FT724, printers

### Operating add-on

Operating add-on (complete base) without accessories.  
Use as spare part only.

**FCM7210-Z3**



Order No.

Product No.

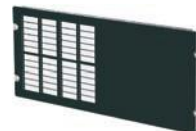
S54400-F76-A1

**FCM7210-Z3**

### Operating add-on (2xLED-ind.)

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

**FCM7213-Y3**



Dimensions (W x H x D)

427 x 200 x 25 mm

Order No.

Product No.

S54400-B149-A1

**FCM7213-Y3**

### Operating add-on (4xLED-ind.)

To update 96 LED display groups, with one red, green and one yellow LED each.  
Can be inserted in all empty housings.  
Inclusive cables and screws for installation.

**FCM7214-Y3**



Dimensions (W x H x D)

427 x 200 x 25 mm

Order No.

Product No.

S54400-B150-A1

**FCM7214-Y3**

### Thermo printer rolls for Custom Plus-S-0004

Replacement printer rolls (10 rolls) for event printer FTO2001-A1.  
Use as spare part.

**A5Q00017619**



Delivery unit

10 pieces

Order No.

Product No.

A5Q00017619

**A5Q00017619**

### Typewriter ribbon

Genuine Fujitsu CA02374-C104 black fabric impact printer ribbon designed for the Fujitsu DL3750+ matrix printer.

**A5Q00023963**



Color

black

Order No.

Product No.

A5Q00023963

**A5Q00023963**

## Spare parts

### Extinguishing control panels XC10

**XCM1002**

#### Main board

Main board for XC10, as spare part

Order No.

Product No.

S54390-A4-A1

**XCM1002**

**FCP1004-E**

#### Power supply 3.5 A

Power supply 3.5 A. Spare part for XC10.



Order No.

Product No.

A6E60500054

**FCP1004-E**

### Replacement glass

FDMG291

Replacement glass for manual call point housings FDMH291-x.



Delivery unit 10 pieces

Order No.	Product No.
A5Q00002122	FDMG291

### Cover with key

FDMK291

Spare key with call point front for manual call point housings FDMH291-x.



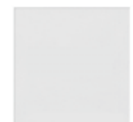
Delivery unit 10 pieces

Order No.	Product No.
A5Q00001643	FDMK291

### Spare glass neutral

DMZ1196-AC

Easy-to-replace spare glass for the manual call point housings DMA1192-x, FDMH29x-x, FDMH273-x, FDM223-Ex. The spare glass is neutral and has no marks.



Delivery unit 10 pieces

Order No.	Product No.
BPZ:4942050001	DMZ1196-AC

### Spare key

DMZ1195

The spare key is used for all manual call point housings DMA1192-xx, FDMH293-x, FDMH273-x, FDMH297-x.



Data sheet A6V10236643  
Delivery unit 10 pieces

Order No.	Product No.
BPZ:4851910001	DMZ1195

### Glass plate neutral

FDMG295

Glass plate for manual call points FDM225-RG, FDM226-RG, FDM1101-RG and FDM1101A-RG. Use as spare part.



Data sheet 009023  
Delivery unit 5 pieces

Order No.	Product No.
A5Q00013442	FDMG295

## Spare parts Manual call points

### FDMG295-F



#### Glass plate 'French'

Glass plate for manual call points FDM225/226.  
Use as spare part.

Delivery unit 5 pieces

Order No.	Product No.
A5Q00013443	FDMG295-F

### 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

Order No.	Product No.
A5Q00013445	FDMP295

### FDMP295-F



#### Plastic element 'French'

Plastic element for manual call points FDM225/226.  
Use as spare part.

Delivery unit 5 pieces

Order No.	Product No.
A5Q00013446	FDMP295-F

### FDMK295



#### Spare key

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

Data sheet A6V10206486, 009023  
Delivery unit 10 pieces

Order No.	Product No.
A5Q00013448	FDMK295

### FDMK231



#### Key

Key for manual operation call point FDM231-x

Delivery unit 10 pieces

Order No.	Product No.
S54311-B10-A1	FDMK231

**Spare glass plate**

**FDMG298**

Glass plate for manual call point FDM243H.  
Use as spare part.



Delivery unit 10 pieces

Order No.	Product No.
S54311-B8-A1	<b>FDMG298</b>

## Spare parts

### Input modules, input/output modules, alarm indicator

FDCM291



#### Mounting feet for in-/output modules

Installation in range of the in-/output modules with mounting feet onto top U-rail TS35.  
Use as spare part.

Delivery unit

25 pieces

Order No.

Product No.

A5Q00003855

**FDCM291**



### Adjustment device for FDLU291

Adjustment device use only as spare part.

**FDLU291**



Order No.

Product No.

A5Q00006540

**FDLU291**

### Adapter cable

MC link cable from detector exchanger and tester to the in-/output modules, to the linear smoke detector and other devices (audio stereo cable 1.5 m with direct and bent stereo jack 3.5 mm).  
Use as spare part for FDUD292, FDUD293, FDUZ221 and FDUZ227.

**FDUD292-A**



Order No.

Product No.

A5Q00004990

**FDUD292-A**

### Adapter with lever, screw and nut incl. attachment and bushing screw

Use as spare part to the telescope rods FDUM291 and FDUM292.

**A5Q00009786**



Order No.

Product No.

A5Q00009786

**A5Q00009786**

### Lever with screw and nut

Use as spare part to the telescope rods FDUM291 and FDUM292.

**A5Q00009787**



Order No.

Product No.

A5Q00009787

**A5Q00009787**

### Small flap with screw and nut

Use as spare part to the telescope rod FDUM291.

**A5Q00009788**



Order No.

Product No.

A5Q00009788

**A5Q00009788**

### Large flap with screw and nut

Use as spare part to the telescope rod FDUM291.

**A5Q00009789**



Order No.

Product No.

A5Q00009789

**A5Q00009789**

## Spare parts Test equipment

FDUL221-A



### Line connection set

Use as spare part for line tester FDUL221.

Order No.

Product No.

A5Q00008436

**FDUL221-A**

FDUL221-B



### Mains adapter set

Use as spare part for line tester FDUL221.

Order No.

Product No.

A5Q00008437

**FDUL221-B**

FDUL221-C



### PC cable (RS232)

Use as spare part for line tester FDUL221.

Order No.

Product No.

A5Q00008438

**FDUL221-C**

BPZ:3679630001



### Halogen lamp 12 V / 50 W

Use as spare part for LE3.

Order No.

Product No.

BPZ:3679630001

**BPZ:3679630001**

**Periphery board (1-loop)**

Periphery board (1-loop) without accessories.  
 Use as repair part only.

**FCI2010-A1**



	Order No.	Product No.
	A5Q00031729-R	FCI2010-A1

**Periphery board (2-loop)**

Periphery board (2-loop) without accessories.  
 Use as repair part only.

**FCI2002-A1**



	Order No.	Product No.
	A5Q00005545-R	FCI2002-A1

**Periphery board (4-loop)**

Periphery board (4-loop) without accessories.  
 Use as repair part only.

**FCI2004-A1**



	Order No.	Product No.
	A5Q00009953-R	FCI2004-A1

**Fire terminal board**

Fire terminal board without accessories.  
 Use as repair part only.

**FTI2001-A1**



	Order No.	Product No.
	A5Q00013279-R	FTI2001-A1

**Power supply (150 W)**

Power supply (150 W) without accessories. In cascading mode only compatible with power supply (150 W) V24230...-A4. Use as repair part only.

**SV 24V-150W**

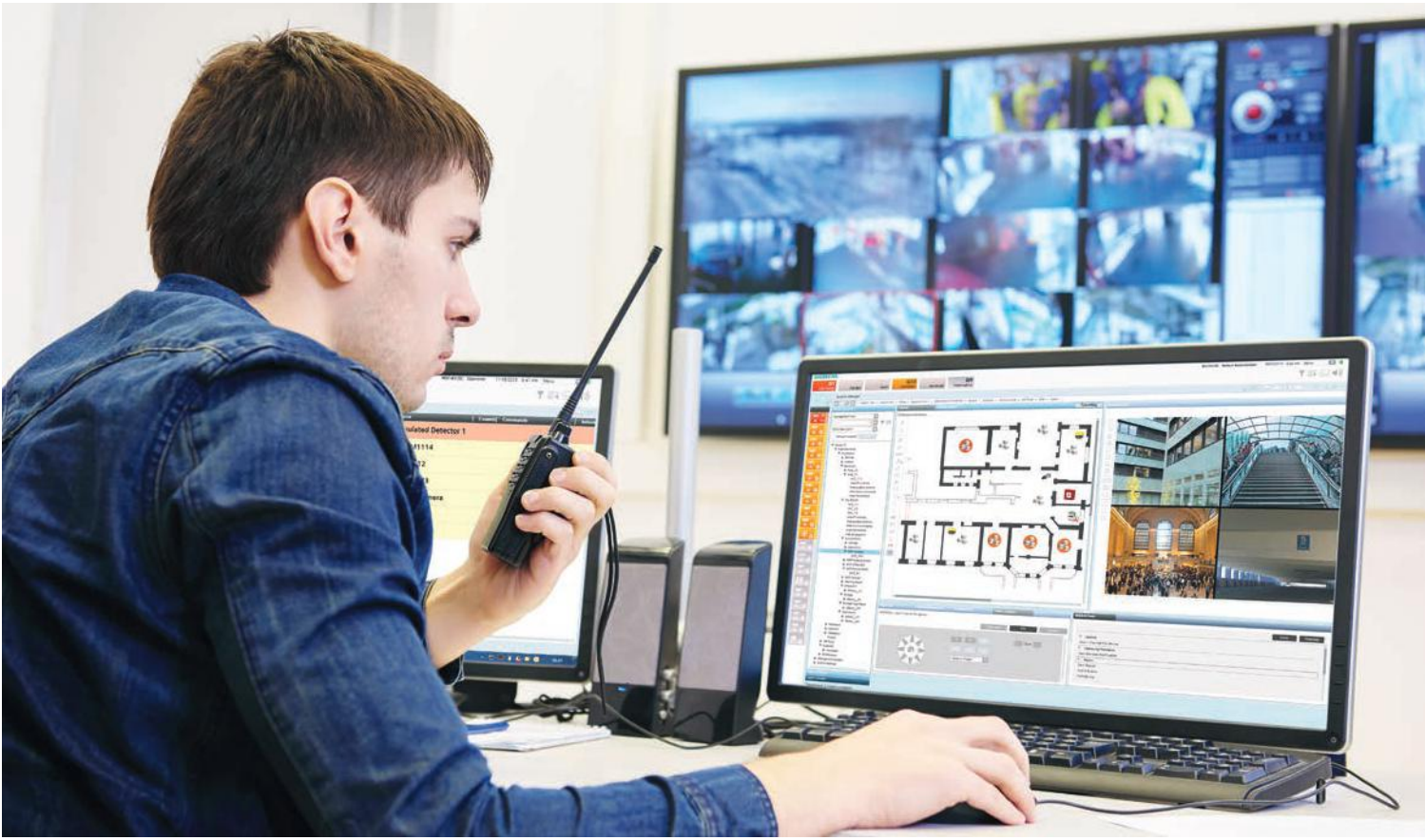


	Order No.	Product No.
	V24230-R6-A4	SV 24V-150W





# Danger management system



## Danger management stations for Cerberus PRO

A danger management station adds additional value to the Cerberus™ PRO fire detection system. It enables centralized alarm management and supervision of fire safety and security systems. All are displayed in a uniform and clearly structured manner. Alarms and messages are listed according to life safety-relevant priorities, so operators have all relevant information at a glance. And in case of an event, the user is guided step by step through predefined procedures. Moreover, all our management stations are highly adaptable and can be altered to changing requirements at any time.

### ■ Danger management stations from Siemens:

- Cerberus DMS the next-generation management station covering the Siemens standard systems for fire safety, intrusion detection and video surveillance for alarm verification
- MM8000 the well-established management station covering a broad range of disciplines and subsystem types
- MM8000 Express the management station designed for fire applications with up to four Cerberus PRO panels and 2,000 detectors

### ■ Connecting Cerberus PRO to a danger management station offers many benefits, among them are:

- Central control and operation
- Interaction with other fire safety and security subsystems
- Easy navigation and quick alarm localization
- Guided event treatment
- History database

# Danger management system

## Cerberus DMS

### Cerberus DMS



### Danger management station

Cerberus DMS is the next-generation management station. It is flexible and customizable to give you the power to respond to life safety events faster and with more information than other platforms. Cerberus DMS is an integrated management platform covering Siemens standard systems for fire safety, intrusion detection and video surveillance.

#### Features and benefits

**Easy to operate:** Save operation costs and increase reliability by enabling faster and more accurate decisions in an emergency situation thanks to the comprehensive user interface.

- Workflow-driven user interface for any discipline and any type of user, that dynamically “anticipates” the next steps
- Workflow-driven user interface for any discipline and any type of user that dynamically “anticipates” next steps
- Assisted and investigative event management for fast response to critical events
- Web client and regular installed client with identical functionality allow access from anywhere at any time
- Customized reporting capabilities
- App for smartphones and tablets to let an operator view and handle the alarms and objects of the danger management station. Search for “Cerberus DMS” at the Google Play™ Store and the Apple® App Store<sup>SM</sup>.
- Built-in e-mail for remote notification

**Easy and fast engineering:** Reducing engineering costs and time thanks to remote and online engineering in real time!

- Online engineering to speed up project commissioning time and to reduce system downtime
- Local and remote (Web) engineering with full capabilities
- Comprehensive libraries
- Powerful multi-layered graphics supporting animated symbols, import of AutoCAD plans
- Built-in profiles for fire safety and security users

**Openness and integration:** Adapt to changing customer needs with multi-discipline design and intelligent interactions.

- Open interfaces via BACnet, SNMP, OPC, Modbus and RESTful Web Services
- Standard interface support for IT systems
- Normalization and management of data from multiple sources
- Able to grow with the facility's needs
- Scalable to support small and large facilities

Data sheet

A6V10427860

Ordering Information

Contact your local sales distribution center for detailed information

Order No.

Product No.

CerberusDMS

**Cerberus DMS**

## Cerberus DMS app

Cerberus DMS app lets an operator view and handle the alarms and objects of the danger management station Cerberus DMS.

### Features and functions:

- Access to Cerberus DMS alarms based on security privileges
- Filtering of the alarms based on category, discipline, status and time
- Controlling of alarms (acknowledge, reset, silence, un-silence)
- Alarm notification using category filters
- PIN code configuration to heighten protection
- Support of HTTPS connection
- Sharing of alarm information via SMS and e-mails
- Access to views to display the current status of configured objects with control based on security privileges

### Security requirements:

Cerberus DMS app establishes an IP connection to the Web service interface of Cerberus DMS management station. If the connection is made across public networks, one of the following guidelines must be observed to ensure secure communication based on HTTPS:

- A VPN tunnel has to be established between the host device of the App and Cerberus DMS Web service interface.
- The Web server hosting the Cerberus DMS Web service interface must be set up in a DMZ (demilitarized zone).

### Compatibility:

The App is compatible with the Cerberus DMS management station V2.1 (or higher) installed under a valid license to enable the Web service connectivity.

### Availability:

Available via Google Play™ Store and the Apple® App Store<sup>SM</sup> for smartphone and tablet.

## Cerberus DMS App



Order No.

Cerberus DMS App

Product No.

Cerberus DMS  
App

# Danger management system

## MM8000 management station

### MM8000



### Danger management station

The MM8000 danger management station provides a powerful solution for the centralized alarm management, supervision and control of a wide range of safety and security systems. It supports specifically fire safety, intrusion detection, access control, video surveillance and building automation installations. Third-party systems can be connected via standard interfaces (e.g. OPC or Modbus).

#### Benefits

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

**Security:** The operator will have access to exactly what was defined. Not less, not more.

**Flexibility:** The system can be built and configured to best fit an actual situation: MM8000 can be used with brand new installations, as well as to enhance or extend existing systems.

**Reliability:** The MM8000 is based on the concept of autonomous subsystems and distributed control. Furthermore, redundant configurations can be implemented.

**Scalability:** MM8000 will easily grow with company needs if support for more subsystems, more disciplines and more stations is needed.

**Openness:** Third-party subsystem integration using OPC and Modbus (via NK).

**Optional OPC DA Server (MK8000) and RESTful Web services** as interfaces to third-party systems.

**Mobile device support: MM8000 Alarms** app for smartphones and tablets (Android and iOS) that lets an operator view and handle events of a connected MM8000 management station. Search for MM8000 Alarms available at the Google Play™ Store and the Apple® App Store<sup>SM</sup>.

#### Features

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 for, and support of the operator in case of an alarm.

Logging of all activities and powerful reporting possibilities.

Comfortable navigation through the system via graphical maps or object trees.

Advanced graphics including AutoCAD.

Automatic and/or manual alarm dispatching via e-mail, SMS and pagers.

Scheduler application for time-based actions.

Configurable interactions between different subsystems.

System security based on Microsoft Windows (combined login).

VMware® / Windows Hyper-V virtual machine support.

Data sheet

A6V10062415

Ordering Information

Contact your local sales distribution center for detailed information

Order No.

Product No.

MM8000xxx

MM8000



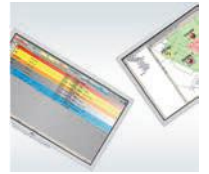
## MM8000 Express

MM8000 Express is a danger management system, designed for fire detection applications requiring graphic support and simple operation. MM8000 Express is built for fire detection applications with up to four control panels and 2000 detectors. The Express version can easily be upgraded to MM8000 danger management station if more panels and more subsystems are added to the existing configuration.

### Features:

Clearly structured and intuitive user interface which provides a quick overview.  
Comfortable navigation through the system via graphical maps or object trees.  
Advanced graphics including AutoCAD.  
Logging of all activities.  
System security integrated with Windows (combined login).  
VMware® / Windows Hyper-V virtual machine support.  
Upgrade to MM8000 possible at any time.

## MM8000 Express



Data sheet

A6V10371208

Ordering Information

Contact your local sales distribution center for detailed information

Order No.

Product No.

MM8000 Express

**MM8000 Express**



A young child with red hair, wearing a colorful plaid shirt and blue jeans, stands on a silver step ladder. The child is using white chalk to draw a large rocket ship on a grey, textured concrete wall. The rocket has a pointed nose, a circular window, and a tail section. A black dog is sitting on the ground to the right of the ladder, looking up at the child. In the bottom left corner, there are some scattered chalk pieces and a small blue container.

**SIEMENS**

*Ingenuity for life*

## Stay safe today and tomorrow

Modernize your fire protection system  
with Cerberus PRO.

Older systems often no longer meet the safety requirements currently prescribed for new installations. False alarms can occur, disturbing your business processes. Older systems may also require increasingly intensive maintenance. With Cerberus™ PRO, you can easily modernize and expand your existing fire protection system and benefit from the latest technology. What's more, you can modernize your system in several steps – according to your needs and budget. Keeping fire safety up to date.

[siemens.com/cerberus-modernization](https://www.siemens.com/cerberus-modernization)





## 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 standalone 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 sounders with supplementary optical indication and many more
- Cost efficiency – thanks to smart products and remote access
- Integration into the danger management system from Siemens – interoperability with other subsystems such as access control, intrusion detection, video surveillance and others
- Control panels and fire terminals can serve as a standby operating unit for increased safety
- Extended network possibilities for widely distributed or complex buildings

# Cerberus PRO Planning Tool

## Panels, network and accessories

To enable remote operation with Cerberus-Remote, the PC has to be connected to an Ethernet switch of the backbone. Access to a particular panel in a cluster will be granted by installing an S1 license key into this panel.

### Backbone (C-WEB/LAN)

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

#### Characteristics of networking via backbone

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

#### Key data

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

#### \* and more with relevant system topology

#### The following guidelines must be observed

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

### Cluster (C-WEB/SAFEDLINK)

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

#### Characteristics of networking via the system bus

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

#### Configurable view of individual panels

#### Key data

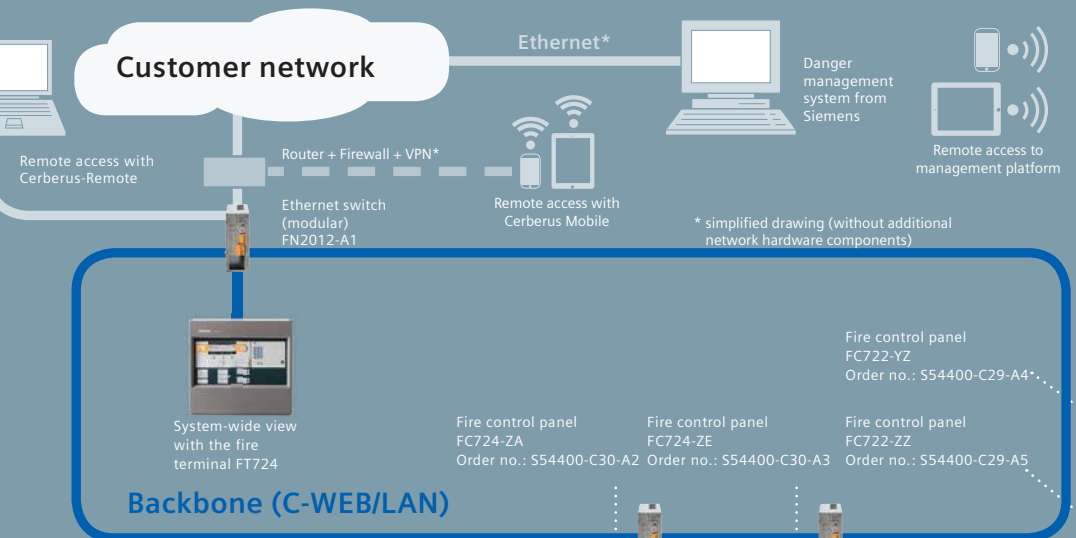
- Max. number of networkable panels: 32
- Max. number of networkable panels if connected to a danger management system: 16
- Max. distance between panels with copper cable
  - without repeater: 1,000 m
  - with repeater: 2,000 m
- Max. distance between panels with fiber-optic cable
  - multi mode: 2,500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

### C-NET

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

#### Characteristics of networking via the detector bus

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



\* simplified drawing (without additional network hardware components)

### Fire control panel modular FC726 / FC723

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

FC723 is a modular fire control panel. It has the following features:

- 2 C-NET loops
- 2 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 FC726-ZA  
Order no.: S54400-C87-A1

Fire control panel FC723-ZA  
Order no.: S54400-C14 3-A1

### Fire control panel FC724 (4-loop)

The FC724 is a compact 4-loop fire control panel. It has the following features:

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

### Fire terminal FT724

The FT724 has the following features:

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

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






### Legend for the interfaces and networks:

- Serial interfaces**
- Backbone (C-WEB/LAN)** (Blue line)
- Cluster (C-WEB/SAFEDLINK)** (White line)
- C-NET** (Orange line)



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

## Network components

### Backbone

-  Ethernet switch (modular) FN2012-A1  
Order no.: S54400-B152-A1
-  Ethernet Module (electric/CAT5) VN2001-A1  
Order no.: S54400-A42-A1
-  Connection module (MoNet) FCA2031-A1  
Order no.: S54400-A153-A1
-  Ethernet Module (MM) VN2002-A1  
Order no.: S54400-A43-A1
-  Ethernet Module (SM) VN2003-A1  
Order no.: S54400-A44-A1

### Cluster

-  Network module (SAFEDLINK) FN2001-A1  
Order no.: A5Q00012851
-  Optical fiber networking modules FN2006-A1 (SM) and FN2007-A1 (MM)  
Order no.: S54400-A109-A1

## Housings

-  Housing variants FH720X
-  Flush mounting bezel one or two HU FHA201X
-  Mounting kit (marine) FHA2035-A1  
Order no.: S54400-S111-A1
-  19" mounting kit FHA2016-A1  
Order no.: A5Q00020179

## Expansion options

-  Loop extension (C-NET) FCI2003-A1  
Order no.: A5Q00010136
-  RS232 module (isolated) FCA2001-A1  
Order no.: A5Q00005327
-  RS485 module (isolated) FCA2002-A1  
Order no.: A5Q00009923
-  Sounder module FCA2005-A1  
Order no.: A5Q00014866
-  Output module (230 V) FCA1209-Z1  
Order no.: S54400-B124-A1

License key	Without license key	S1 (FCA2033-A1) Order no.: S54400-P154-A1	S2 (FCA2034-A1) Order no.: S54400-P155-A1	S3 (FCA2035-A1) Order no.: S54400-P156-A1
Cerberus-Remote		✓	✓	✓
BACnet		-	✓	✓
Cerberus Mobile		-	-	✓
Cerberus DMS	✓			



## 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



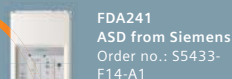
Fire control panel FC722-ZA  
Order no.: S54400-C29-A2

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



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

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



FDA241 ASD from Siemens  
Order no.: S5433-F14-A1



FP120-Z1 Power supply kit A (70 W)  
Order no.: S54400-S122-A1

## Power supply

-  Power supply kit A (70 W) FP120-Z1  
Order no.: S54400-S122-A1
-  Power supply (70 W) FP2015-A1  
Order no.: S54400-B121-A1
-  Power supply kit (150 W) FP2004-A1  
Order no.: A5Q00020825
-  Power supply kit (150 W) FP2005-A1  
Order no.: A5Q00018779

## Operating add-ons

-  Operating add-on (2xLED-ind.) FCM7213-Y3  
Order no.: S54400-B149-A1
-  Operating add-on (4xLED-ind.) FCM7214-Y3  
Order no.: S54400-B150-A1
-  Key switch Kaba FTO2005-C1  
Order no.: A5Q00010113
-  Key switch Nordic FTO2006-B1  
Order no.: A5Q00010129
-  Event printer FTO2001-A1  
Order no.: A5Q00010126
-  Event printer DL3750+  
Order no.: A5Q00023962

## Module bus cards for FC723 / FC726

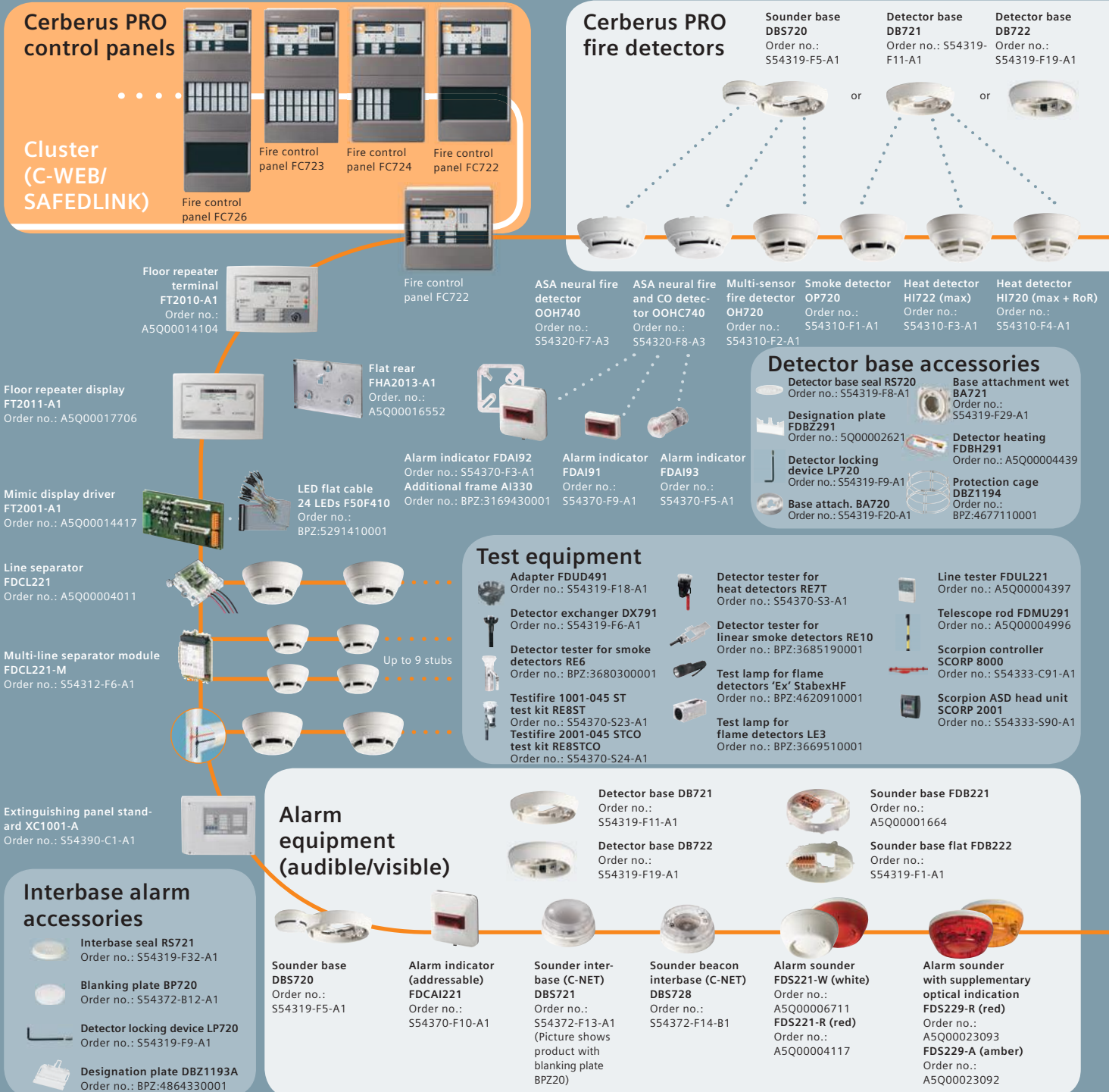
-  Line card (C-NET) FCL2001-A1  
Order no.: A5Q00009875
-  Line card (SynoLOOP) FCL7201-Z3  
Order no.: S54400-H116-A1
-  I/O card (RT) FCI2007-A1  
Order no.: S54400-A20-A1
-  I/O card (programmable) FCI2008-A1  
Order no.: S54400-A6-A1
-  I/O card (horn/monitored) FCI2009-A1  
Order no.: S54400-A21-A1

-  Manual call point, red FDM221
-  ASA neural fire detector OOH740
-  Alarm sounder FDS221-R



# Cerberus PRO Planning Tool

## C-NET devices



### C-NET

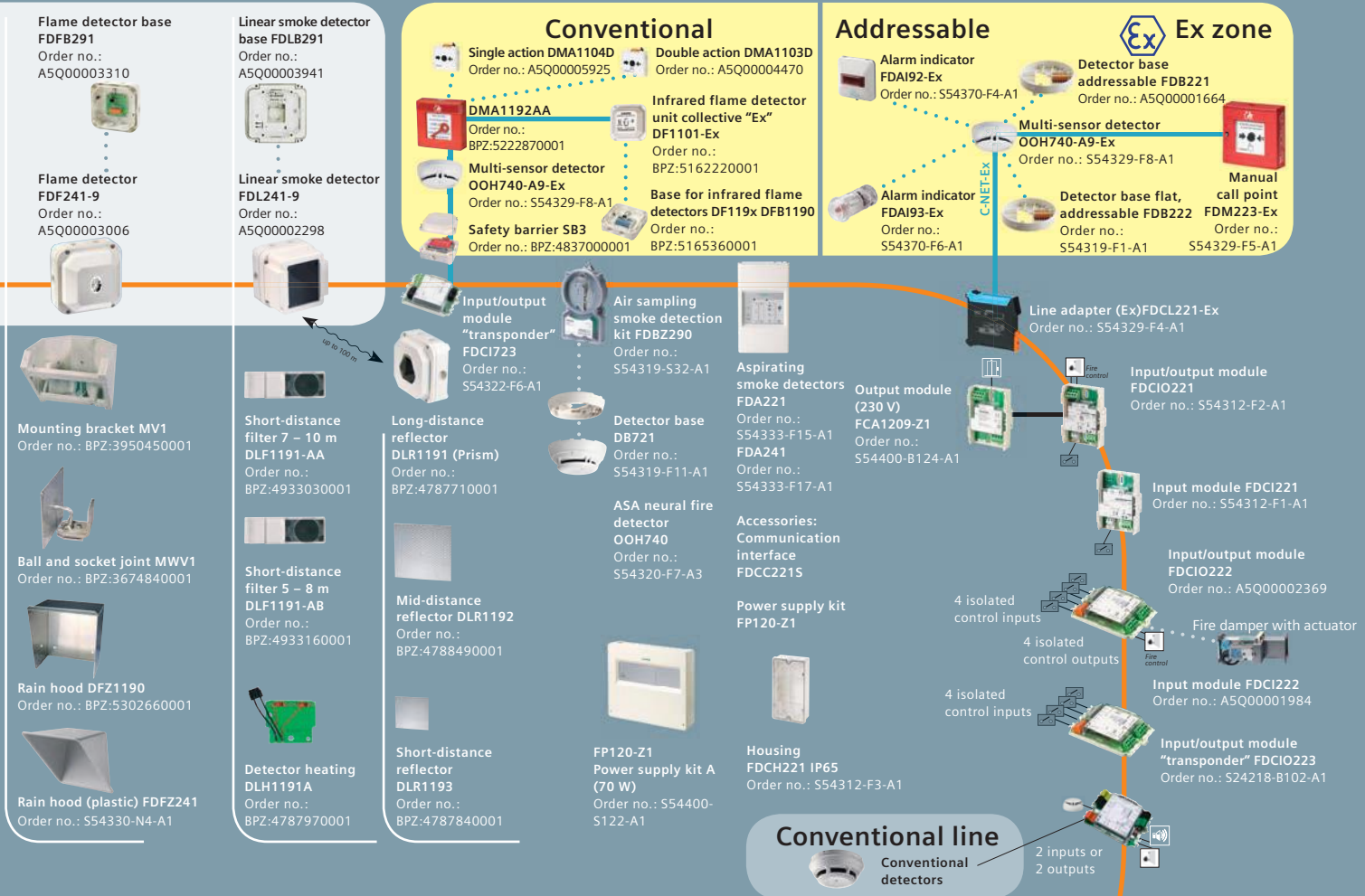
The C-NET is a modern, multi-purpose bus system. It allows rapid, fail-safe communication between the Cerberus PRO bus elements and the fire control panel.

### Legend for the designation of fire detectors:

- Cluster (C-WEB/SAFEDLINK) Network for connecting panels
- C-NET Network for connecting Cerberus PRO addressable devices
- C-NET-Ex Network for connecting Cerberus PRO addressable Ex devices

### Alarm sounder accessories

- Sealing element FDBZ295 (only together with base FDB221) Order no.: S54319-F10-A1
- Designation plate FDBZ291 Order no.: A5Q00002621
- Base attachment FDBZ291 Order no.: A5Q00001603
- Base attachment wet FDB295 Order no.: S54319-F2-A1
- Designation plate DBZ1193A Order no.: BPZ:4864330001
- Detector locking device FDBZ293 Order no.: A5Q00005035



## Manual call points and accessories

<p><b>Manual call point FDM221</b> Standard, available in different colors.</p> <p><b>Electronic switching unit FDM221</b> Order no.: A5Q00002451</p> <p>Housings: Red with key FDMH291-R Order no.: A5Q00002217 Yellow with key FDMH291-Y Order no.: A5Q00004979 Green with key FDMH291-G Order no.: A5Q00004981 Blue with key FDMH291-B Order no.: A5Q00004980</p> <p>Accessories: Protective cover FDMC291 Order no.: A5Q00001644</p>	<p><b>Manual call point FDM225</b> Resettable, available in red and can be used for flush mounting.</p> <p><b>Manual call point with resettable plastic element FDM225-RP</b> Order no.: A5Q00012020</p> <p><b>Manual call point with glass plate FDM225-RG</b> Order no.: A5Q00013434</p> <p>Accessories: Back box FDMH295-R Order no.: A5Q00013437 Back box with holes and grommet FDMH295-S Order no.: A5Q00013438 Protective cover FDMC295 Order no.: A5Q00013440</p>	<p><b>Manual call point FDM226</b> Resettable and IP66, available in red.</p> <p><b>Manual call point with resettable plastic element incl. back box FDM226-RP</b> Order no.: A5Q00013436</p> <p><b>Manual call point with glass plate incl. back box FDM226-RG</b> Order no.: A5Q00013435</p> <p>Accessories: Protective cover FDMC295 Order no.: A5Q00013440</p>	<p><b>Manual call point FDM231</b> Standard, available in red.</p> <p><b>Manual call point complete FDM231-RP</b> Order no.: S54311-F11-A1</p> <p><b>Electronic switching unit incl. key FDMK231 FDM231</b> Order no.: S54311-B14-A1</p> <p>Accessories: Back box red FDMH231-S-R Order no.: S54311-B12-A1 Screwed cable gland M20 x 1.5 Order no.: A5Q00004478 Back nut M20 Order no.: A5Q00004479</p>	<p><b>Manual call point FDM224</b> IP44 or IP64, with direct operation available in different colors.</p> <p><b>Electronic switching unit FDM224</b> Order no.: A5Q00009392</p> <p>Housings with glass and key (FDM224 and FDM223): Red FDMH293-R Order no.: A5Q00004023 Yellow FDMH293-Y Order no.: A5Q00004908 Green FDMH293-G Order no.: A5Q00004911 Blue FDMH293-B Order no.: A5Q00004909 Orange FDMH293-O Order no.: S54311-F2-A1 Red FDMH297-R Order no.: S54311-B7-A1</p> <p>Accessories (for FDM224 and FDM223): Protection seal DMZ1197-AD Order no.: BPZ:5470680001 Protective cover DMZ1197-AC Order no.: BPZ:5223550001 Locking plug M20 (1 hole) Order no.: A5Q00006735</p>	<p><b>Manual call point FDM223</b> IP44 or IP64, with indirect alarm actuation, available in different colors.</p> <p><b>Electronic switching unit FDM223</b> Order no.: A5Q00003087</p>	<p><b>Manual call point FDM224H</b> Heavy Duty, IP44 or IP64, with direct alarm actuation.</p> <p><b>Electronic switching unit FDM224</b> Order no.: A5Q00009392</p> <p>Housing: Red FDMH292-R Order no.: A5Q00005525</p> <p>Accessories: Protection seal DMZ1197-AD Order no.: BPZ:5470680001 Protective cover DMZ1197-AC Order no.: BPZ:5223550001 Screwed cable gland M20 x 1.5 Order no.: A5Q00004478</p>	<p><b>Manual call point FDM223H</b> Heavy Duty, IP44 or IP64, with indirect alarm actuation.</p> <p><b>Electronic switching unit FDM223</b> Order no.: A5Q00003087</p> <p>Housing: Red FDMH292-R Order no.: A5Q00005525</p> <p>Accessories: Protection seal DMZ1197-AD Order no.: BPZ:5470680001 Protective cover DMZ1197-AC Order no.: BPZ:5223550001 Screwed cable gland M20 x 1.5 Order no.: A5Q00004478</p>	<p><b>Manual call point FDM243H</b> Heavy Duty, with direct alarm actuation.</p> <p><b>Manual call point complete</b> Order no.: S54311-F8-A1</p>
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## SWING radio fire detection

**Radio gateway FDCW241**  
Order no.: S54370-F11-A1

**Base FDB271**  
Order no.: S54319-F12-A1

**Neural radio fire detector FDOOT271**  
Order no.: S54313-F1-A1

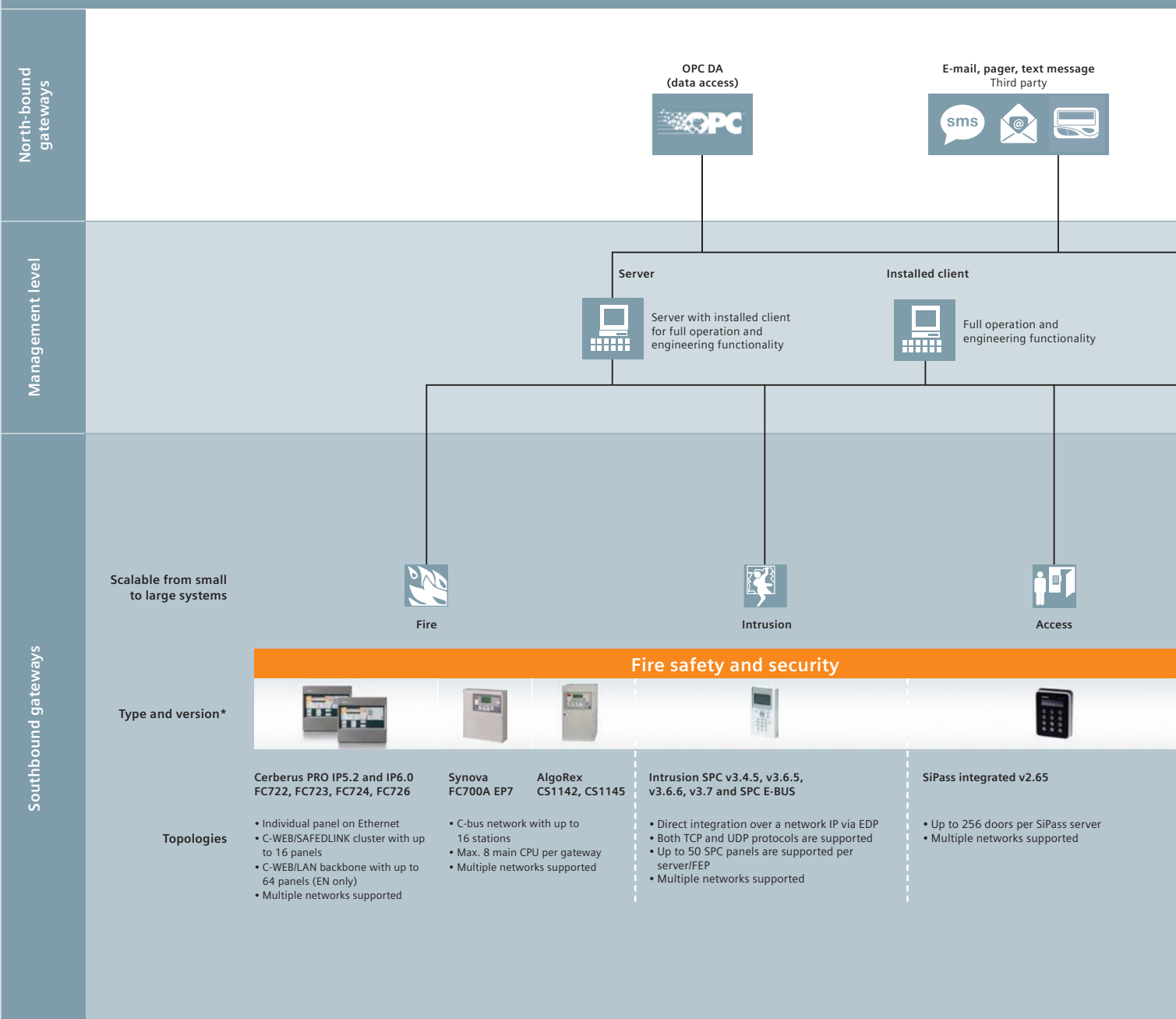
**Radio manual call point FDM273**

**Radio manual call point FDM275**  
Order no.: S54323-F105-A1

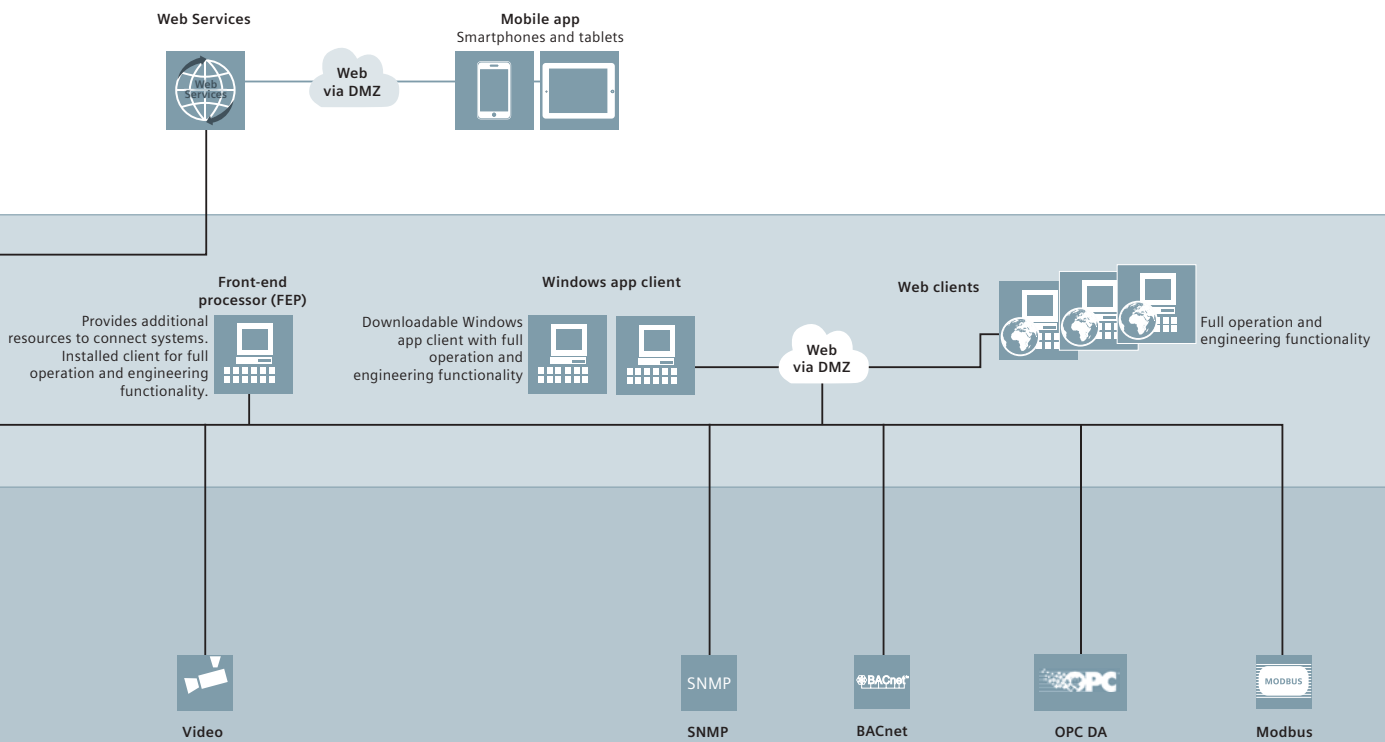
**Battery BAT3.6-10**  
Order no.: S54370-Z11-A1

# Cerberus DMS Planning Tool

## Cerberus DMS architecture







## Third-party integration

Agents monitoring v1.0 and v2.0

B-AWS Rev. 1.13 (2012 standards)

DA 3.0 server  
DA 2.05a server

Modbus IP



- Siveillance VMS 200 embedded 7.0c and 7.0d
- External VMS
- Siveillance VMS 7.0c, 7.0d and 2016 R2 (10.1a)
- Milestone XProtect Expert 7.0c, 7.0d and 2016 R2
- Milestone XProtect Corporate 7.0c, 7.0d and 2016 R2

- The video system limits are:
- Tested up to 512 cameras
  - Tested up to 50 clients using 32 independent video streams each
  - One directly connected VMS
  - Interconnected VMS
  - External or embedded VMS



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**Published by**  
**Siemens Switzerland Ltd 2018**

Building Technologies Division  
International Headquarters  
Gubelstrasse 22  
6301 Zug  
Switzerland  
Tel +41 41 724 24 24

Article no. 0-92350-en (Status 07/2017)

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