

**SIEMENS**



# Cerberus FIT product catalog

Fire safety products and accessories



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# Reliable, intelligent and cost-efficient fire detection

Flexible panels, reliable detectors and a range of peripheral devices – Cerberus FIT comprises all you need for comprehensive fire detection.

## A smart solution for fire protection

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.

## Secure overall system

With approved system devices coming from one supplier you can be sure that everything has been designed to work perfectly together and when that supplier is Siemens you can feel confident that it will stay that way.

The flexibility of the panels allows the system operation to be optimized for each application. The complete range of detectors means that fast and reliable detection can be provided in every area.

## Easy control

The FC120 fire control panel lies at the heart of the Cerberus FIT conventional system. Intuitive operation buttons and

informative display indication ensure quick and easy operation. Furthermore, system testing can be performed with confidence using clear, concise controls and indicators.

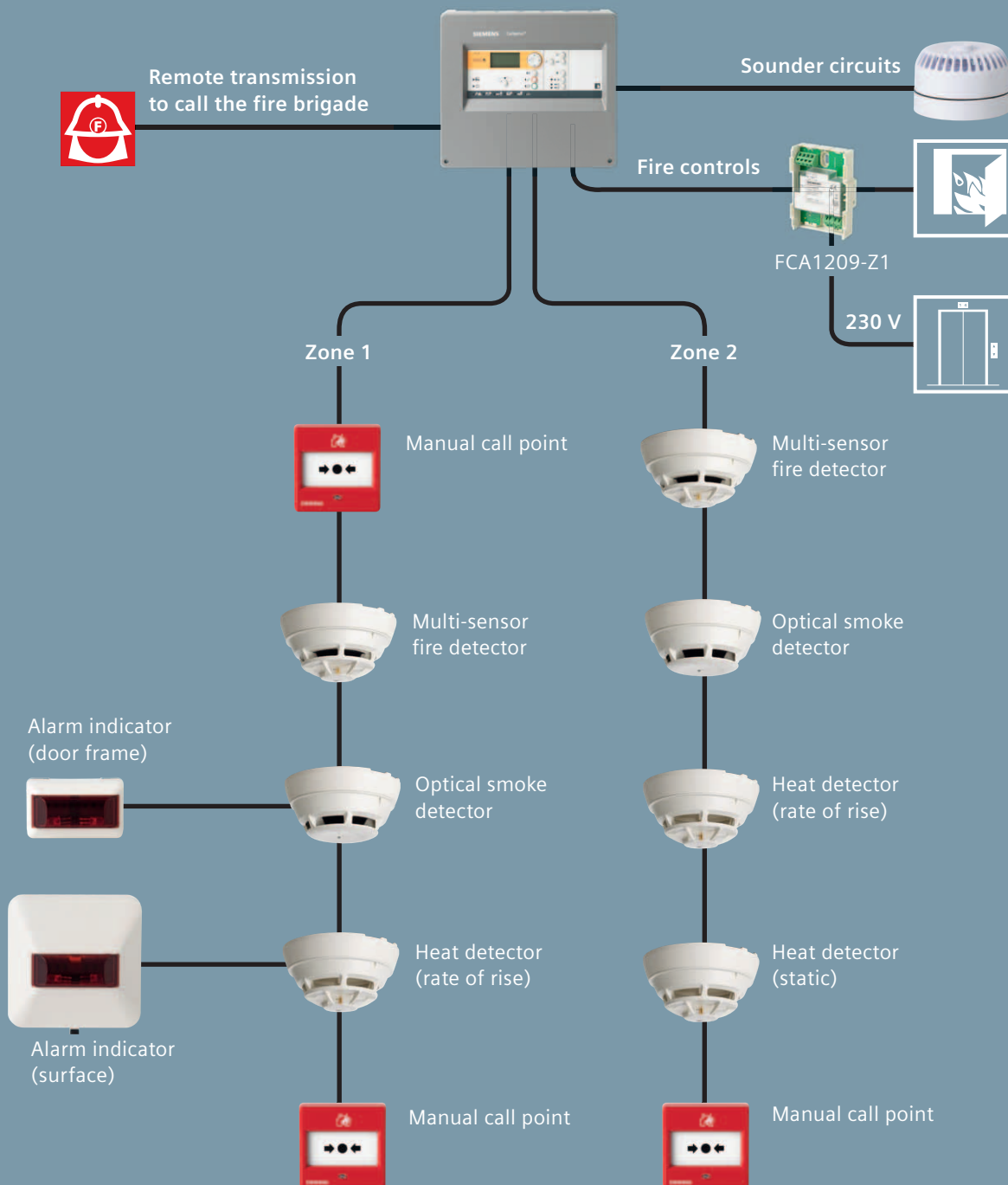
## Highest reliability and long life cycle

The Cerberus FIT conventional detectors utilize intelligent algorithm technology to quickly and accurately detect fires while minimizing false alarms. The patented labyrinth coupled with drift compensation extends the lifespan of the detectors by countering the buildup of dust and dirt.

When a detector reaches its compensation limits, a yellow LED indication tells the user it is time to exchange the device in order to avoid future instability. A green wiring check LED helps locate wiring faults and therefore significantly reduces fault finding costs and downtime. In short, Cerberus FIT provides safe, reliable and convenient detection with low lifetime costs.

# 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-zone panels**  
**FC120 series**



Type

Order no.

FC121-ZA

Fire control panel, 2 zones

S54400-C131-A1



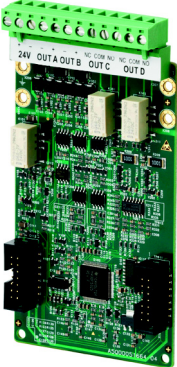
The FC121-ZA is a conventional fire control panel with an integrated operating unit for 2 zones. The control unit has been designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list. The FC121-ZA is ideally suited for small applications, e.g. in schools,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

Zones	2
Conventional devices per zone	Max. 32
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	2
Plug-in position	1
Mains voltage	AC 196...253 V
Power supply	25 W
Operating voltage	DC 21...28.6 V
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
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
Data sheet	A6V10371354
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)

## Conventional fire control panels

### 2-zone panels

#### Expansion FC121-ZA

Type	Order no.
<b>FCA1203-Z1</b>  The image shows a green printed circuit board (PCB) for the FCA1203-Z1 output card. It features a terminal block at the top with four terminals labeled '24V', 'OUT A', 'OUT B', and 'OUT D'. There are also two gold-colored screw terminals on the right side. The board is populated with various electronic components, including integrated circuits, resistors, and capacitors.	<b>S54400-B142-A1</b>
<b>Output card 2M 2R</b>	
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.	
Supervised output Relay output (NOC)	2x 24 V / 1 A 2x 30 V / 1 A
<b>FTO1201-H1</b>  The image shows a black rectangular module for the FTO1201-H1 EVAC function. It has a white label with the text 'Ontruimingsalarm' at the bottom. The label also features three buttons: a green button labeled '2x Start', a red button labeled '2x Stop', and a smaller black button labeled 'Storing'.	<b>S54400-B120-A1</b>
<b>EVAC module (NL 2&amp;4 zones)</b>	
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.	





# Conventional fire control panels

## 2-zone panels



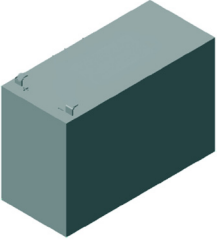
### Accessories FC121-ZA

Type		Order no.																				
FCA1206-Z1	<b>Key switch set (Nordic SE)</b> Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).	S54400-S125-A1																				
FCA1209-Z1	<b>Output module (230 V)</b> 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.	S54400-B124-A1																				
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FDCH221	<b>Housing for input/output modules</b> 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.	S54312-F3-A1																				
	<table border="0"> <tr><td>Dimensions (W x H x D)</td><td>207 x 119 x 48 mm</td></tr> <tr><td>Color</td><td>~RAL 9010, Pure white / transparent matt</td></tr> <tr><td>Protection category</td><td>IP65</td></tr> <tr><td>Accessories</td><td>A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20</td></tr> </table>	Dimensions (W x H x D)	207 x 119 x 48 mm	Color	~RAL 9010, Pure white / transparent matt	Protection category	IP65	Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20													
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A5Q00004478	<b>Screwed cable gland M20 x 1.5</b> The screwed cable gland is for M20 cable feed-through. It enables higher protection category.	A5Q00004478																				
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## Conventional fire control panels

### 2-zone panels

#### Accessories FC121-ZA

Type		Order no.
A5Q00004479	<b>Back nut M20</b> Back nut to screwed cable gland M20 x 1.5.  Delivery unit 10 pieces	A5Q00004479
		
AX1213	<b>Battery (12 V, 4.5 Ah)</b> 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	BPZ:4392990001
		
FA2003-A1	<b>Battery (12 V, 7 Ah, VDS)</b> 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	A5Q00019353
		



# Conventional fire control panels

## 4-zone panels

### FC120 series

Type

Order no.

FC122-ZA

Fire control panel, 4 zones

S54400-C130-A1



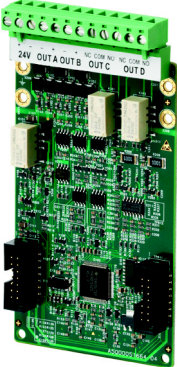
The FC122-ZA is a conventional fire control panel with an integrated operating unit for 4 zones. The control unit has been designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list. The FC122-ZA is ideally suited for small applications, e.g. in schools,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

Zones	4
Conventional devices per zone	Max. 32
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	2
Plug-in position	1
Mains voltage	AC 196...253 V
Power supply	25 W
Operating voltage	DC 21...28.6 V
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
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
Data sheet	A6V10371354
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)

## Conventional fire control panels

### 4-zone panels

#### Expansion FC122-ZA

Type	Order no.				
<b>FCA1203-Z1</b>  <p>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.</p> <table border="0"><tr><td>Supervised output</td><td>2x 24 V / 1 A</td></tr><tr><td>Relay output (NOC)</td><td>2x 30 V / 1 A</td></tr></table>	Supervised output	2x 24 V / 1 A	Relay output (NOC)	2x 30 V / 1 A	<b>S54400-B142-A1</b>
Supervised output	2x 24 V / 1 A				
Relay output (NOC)	2x 30 V / 1 A				
<b>FTO1201-H1</b>  <p>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.</p>	<b>S54400-B120-A1</b>				



# Conventional fire control panels

## 4-zone panels


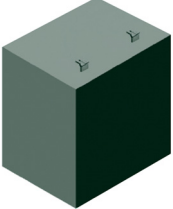
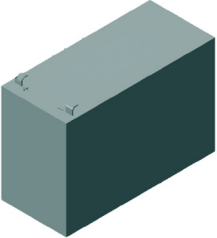
### Accessories FC122-ZA

Type		Order no.																				
FCA1206-Z1	<p><b>Key switch set (Nordic SE)</b></p> <p>Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).</p> 	S54400-S125-A1																				
FCA1209-Z1	<p><b>Output module (230 V)</b></p> <p>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.</p>  <table border="0"> <tr> <td>Operating voltage</td> <td>DC 14.5...30 V</td> </tr> <tr> <td>Operating current</td> <td>Max. 0.1 mA</td> </tr> <tr> <td>Communication protocol</td> <td>Monitored output line</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Operating temperature</td> <td>-25...+65 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-25...+65 °C</td> </tr> <tr> <td>Relay output (NO)</td> <td>AC 230 V, max. 5 A / DC 30 V, max. 5 A</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % rel.</td> </tr> <tr> <td>Color housing/cover</td> <td>~RAL 9010, Pure white / transparent matt</td> </tr> <tr> <td>Standard</td> <td>EN 54-18</td> </tr> </table>	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/cover	~RAL 9010, Pure white / transparent matt	Standard	EN 54-18	S54400-B124-A1
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FDCH221	<p><b>Housing for input/output modules</b></p> <p>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.</p>  <table border="0"> <tr> <td>Dimensions (W x H x D)</td> <td>207 x 119 x 48 mm</td> </tr> <tr> <td>Color</td> <td>~RAL 9010, Pure white / transparent matt</td> </tr> <tr> <td>Protection category</td> <td>IP65</td> </tr> <tr> <td>Accessories</td> <td>A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20</td> </tr> </table>	Dimensions (W x H x D)	207 x 119 x 48 mm	Color	~RAL 9010, Pure white / transparent matt	Protection category	IP65	Accessories	A5Q00004478 Screwed cable gland M20 A5Q00004479 Back nut M20	S54312-F3-A1												
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Delivery unit	10 pieces																					

## Conventional fire control panels

### 4-zone panels

#### Accessories FC122-ZA

Type		Order no.
A5Q00004479	<b>Back nut M20</b> Back nut to screwed cable gland M20 x 1.5.  Delivery unit 10 pieces	A5Q00004479
		
AX1213	<b>Battery (12 V, 4.5 Ah)</b> 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	BPZ:4392990001
		
FA2003-A1	<b>Battery (12 V, 7 Ah, VDS)</b> 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	A5Q00019353
		

Conventional fire control panels  
**8-zone panels**  
**FC120 series**



Type

Order no.

FC123-ZA



**Fire control panel, 8 zones**

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.


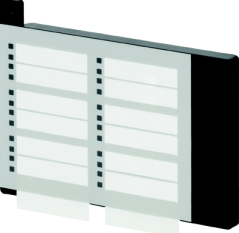
S54400-C129-A1

Zones	8
Conventional devices per zone	Max. 32
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	3
Plug-in position	2
Mains voltage	AC 97...127 V / AC 196...253 V
Power supply	70 W
Operating voltage	DC 21...28.6 V
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
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
Data sheet	A6V10371354
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)

## Conventional fire control panels

### 8-zone panels

#### Expansion FC123-ZA

Type	Order no.
<p><b>FTO1203-H1</b></p> <p><b>EVAC module (NL 8&amp;12 zones)</b></p> <p>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.</p>  The image shows a rectangular electronic module with a light grey faceplate and a black base. On the faceplate, there are three indicator lights: a green one labeled 'Zk Start', a yellow one labeled 'Zk Stop', and a red one labeled 'Storing'. Below the lights, the text 'Ontruimingsalarm' is printed.	S54400-B118-A1
<p><b>FTO1202-Z1</b></p> <p><b>Zone ind. field 12x2 LED</b></p> <p>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.</p>  The image shows a rectangular electronic module with a light grey faceplate and a black base. It features a grid of 24 small square LEDs arranged in two columns of 12. Below the grid, there are several horizontal white stripes for labeling.	S54400-B119-A1





# Conventional fire control panels

## 8-zone panels


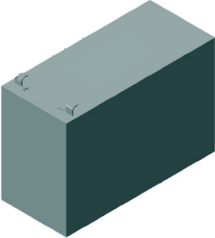
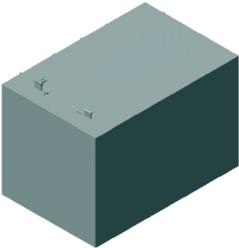
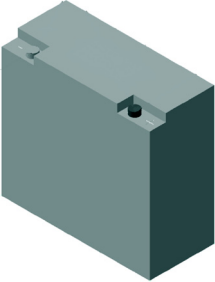
### Accessories FC123-ZA

Type		Order no.																				
FCA1206-Z1	<p><b>Key switch set (Nordic SE)</b></p> <p>Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).</p> 	S54400-S125-A1																				
FCA1209-Z1	<p><b>Output module (230 V)</b></p> <p>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.</p> <table border="0"> <tr> <td>Operating voltage</td> <td>DC 14.5...30 V</td> </tr> <tr> <td>Operating current</td> <td>Max. 0.1 mA</td> </tr> <tr> <td>Communication protocol</td> <td>Monitored output line</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Operating temperature</td> <td>-25...+65 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-25...+65 °C</td> </tr> <tr> <td>Relay output (NO)</td> <td>AC 230 V, max. 5 A / DC 30 V, max. 5 A</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % rel.</td> </tr> <tr> <td>Color housing/cover</td> <td>~RAL 9010, Pure white / transparent matt</td> </tr> <tr> <td>Standard</td> <td>EN 54-18</td> </tr> </table> 	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/cover	~RAL 9010, Pure white / transparent matt	Standard	EN 54-18	S54400-B124-A1
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## Conventional fire control panels

### 8-zone panels

#### Accessories FC123-ZA

Type		Order no.
A5Q00004479	<b>Back nut M20</b> Back nut to screwed cable gland M20 x 1.5.  Delivery unit 10 pieces	A5Q00004479
		
FA2003-A1	<b>Battery (12 V, 7 Ah, VDS)</b> 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	A5Q00019353
		
FA2004-A1	<b>Battery (12 V, 12 Ah, VDS)</b> 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	A5Q00019354
		
FA2005-A1	<b>Battery (12 V, 17 Ah, VDS)</b> 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	A5Q00019677
		

Conventional fire control panels  
**12-zone panels**  
**FC120 series**



Type

Order no.

FC124-ZA



**Fire control panel, 12 zones**

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.


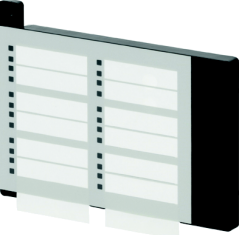
S54400-C128-A1

Zones	12
Conventional devices per zone	Max. 32
Relay outputs	1x dialer fault
Monitored output	1x sounder line 1x dialer fire
Programmable inputs	3
Plug-in position	3
Mains voltage	AC 97...127 V / AC 196...253 V
Power supply	70 W
Operating voltage	DC 21...28.6 V
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
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
Data sheet	A6V10371354
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)

## Conventional fire control panels

### 12-zone panels

#### Expansion FC124-ZA

Type	Order no.
<p><b>FTO1203-H1</b></p> <p><b>EVAC module (NL 8&amp;12 zones)</b></p> <p>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.</p>  The image shows a rectangular white EVAC module with a black top and bottom edge. It features a control panel with three buttons: a green 'Zk Start' button with a green arrow, a red 'Zk Stop' button, and a black 'Storing' button. The text 'Ontruimingsalarm' is printed at the bottom of the panel.	S54400-B118-A1
<p><b>FTO1202-Z1</b></p> <p><b>Zone ind. field 12x2 LED</b></p> <p>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.</p>  The image shows a rectangular white zone indication field with a black top and bottom edge. It consists of 12 horizontal rows, each containing two small square LEDs (one red, one yellow). The field is designed for individual customer descriptions using inscription stripes.	S54400-B119-A1



# Conventional fire control panels

## 12-zone panels


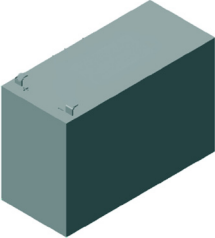
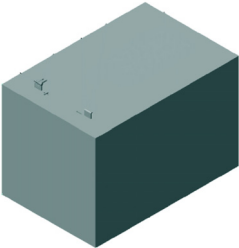
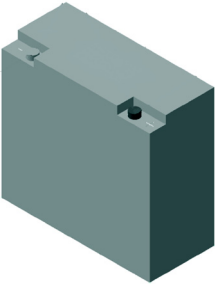
### Accessories FC124-ZA

Type		Order no.																				
FCA1206-Z1	<p><b>Key switch set (Nordic SE)</b></p> <p>Nordic key switch with mounting accessories and key (Nordic), as an option for operating access (level II).</p> 	S54400-S125-A1																				
FCA1209-Z1	<p><b>Output module (230 V)</b></p> <p>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.</p>  <table border="0"> <tr> <td>Operating voltage</td> <td>DC 14.5...30 V</td> </tr> <tr> <td>Operating current</td> <td>Max. 0.1 mA</td> </tr> <tr> <td>Communication protocol</td> <td>Monitored output line</td> </tr> <tr> <td>Protection category</td> <td>IP30</td> </tr> <tr> <td>Operating temperature</td> <td>-25...+65 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-25...+65 °C</td> </tr> <tr> <td>Relay output (NO)</td> <td>AC 230 V, max. 5 A / DC 30 V, max. 5 A</td> </tr> <tr> <td>Relative humidity</td> <td>≤95 % rel.</td> </tr> <tr> <td>Color housing/cover</td> <td>~RAL 9010, Pure white / transparent matt</td> </tr> <tr> <td>Standard</td> <td>EN 54-18</td> </tr> </table>	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/cover	~RAL 9010, Pure white / transparent matt	Standard	EN 54-18	S54400-B124-A1
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## Conventional fire control panels

### 12-zone panels

#### Accessories FC124-ZA

Type		Order no.
A5Q00004479	<b>Back nut M20</b> Back nut to screwed cable gland M20 x 1.5.  Delivery unit 10 pieces	A5Q00004479
		
FA2003-A1	<b>Battery (12 V, 7 Ah, VDS)</b> 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	A5Q00019353
		
FA2004-A1	<b>Battery (12 V, 12 Ah, VDS)</b> 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	A5Q00019354
		
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## Genesis series (1-zone panels)



# Safety for people and assets

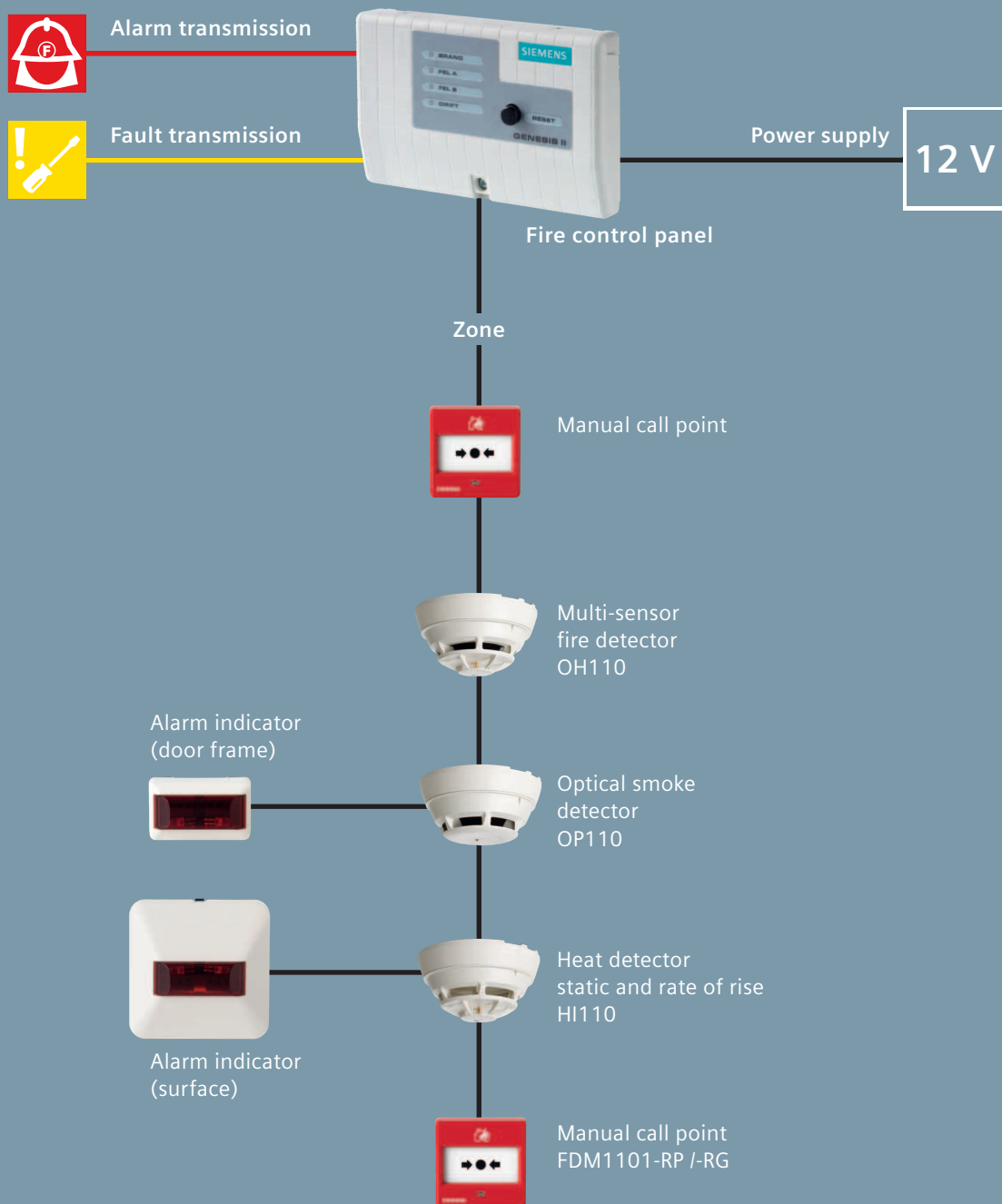
Our Genesis series stands for comprehensive safety. In combination with an intrusion control panel, it is the professional solution for reliable fire detection. As your existing network infrastructure can be used for installation, you will profit from low investment costs.

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

- One conventional line with a maximum of 32 detectors
- Compatible with conventional 110-series detectors
- Universal usage thanks to easy connectivity to all DC 12 V systems
- Reliable alarming via existing network
- Easy installation due to free contacts for fire and fault alarm

# Genesis series – conventional fire control panels (1-zone panels)

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








# Single-zone conventional controllers 12 V

## 1-zone panels

### Genesis series

Type	Order no.														
<p><b>GEN2..</b></p>  <p><b>Fire control panel for connection to DC 12 V supply</b></p> <p>The Genesis 2 makes it possible to install a single fire detection zone when connected to intrusion control panel, controlling and supervising a 2-wire line, equipped with up to 32 conventional and collective detectors at DC 24 V.</p> <p>The Genesis 2 is supplied with DC 13.8 V from the intrusion control panel and by means of an internal converter, is able to provide the DC 24 V supply required by the detectors and/or call points. This eliminates the need for an external DC 24 V power supply and battery backup, as in the case of mains failure or disconnection, the intrusion control panel backup powers the system.</p> <table border="0"> <tr> <td>Alarm relay output (NO/NC)</td> <td>DC 30 V / 1 A</td> </tr> <tr> <td>Fault relay output (NO/NC)</td> <td>DC 30 V / 1 A</td> </tr> <tr> <td>Power supply</td> <td>DC 11...14 V / &lt;200 mA</td> </tr> <tr> <td>Output line voltage (stand-by)</td> <td>DC 17.5...24 V</td> </tr> <tr> <td>Stand-by current</td> <td>35...45 mA</td> </tr> <tr> <td>Dimensions (W x H x D)</td> <td>134 x 85 x 27 mm</td> </tr> <tr> <td>Data sheet</td> <td>009159</td> </tr> </table>	Alarm relay output (NO/NC)	DC 30 V / 1 A	Fault relay output (NO/NC)	DC 30 V / 1 A	Power supply	DC 11...14 V / <200 mA	Output line voltage (stand-by)	DC 17.5...24 V	Stand-by current	35...45 mA	Dimensions (W x H x D)	134 x 85 x 27 mm	Data sheet	009159	<p><b>GEN2..</b></p>
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<p><b>GEN2-ES</b></p> <p><b>Fire control panel for connection to DC 12 V supply</b></p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>Spanish language printed on the product.</p>	<p><b>BPZ:9300100001</b></p>														
<p><b>GEN2-EN</b></p> <p><b>Fire control panel for connection to DC 12 V supply</b></p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>English language printed on the product.</p>	<p><b>BPZ:9300110001</b></p>														
<p><b>GEN2-IT</b></p> <p><b>Fire control panel for connection to DC 12 V supply</b></p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>Italian language printed on the product.</p>	<p><b>BPZ:9300120001</b></p>														
<p><b>GEN2-SE</b></p> <p><b>Fire control panel for connection to DC 12 V supply</b></p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>Swedish language printed on the product.</p>	<p><b>BPZ:9300130001</b></p>														
<p><b>GEN2-DE</b></p> <p><b>Fire control panel for connection to DC 12 V supply</b></p> <p>See GEN2.. for technical overview and note the additional / other specifications:</p> <p>German language printed on the product.</p>	<p><b>BPZ:9300150001</b></p>														



## Fire detection – conventional and collective peripherals



## Conventional fire detection – efficiency meets effectiveness

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

- Attractive, environmentally 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 / Collective fire detectors – point detectors



# Fire detection – conventional and collective peripherals

## 110-series detectors



Type

Order no.

OH110

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

S54372-F11-A1



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.

Communication protocol	Collective / Conventional
Operating voltage	DC 16...28 V
Operating temperature	-10...+50 °C
Storage temperature	-30...+70 °C
Relative humidity	≤96 % rel.
Quiescent current	Max. 100 µA
Protection category	IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721
Standard	EN 54-7
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 62 mm (incl. base)
Data sheet	A6V10301051
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

## Fire detection – conventional and collective peripherals

### 110-series detectors

Type	Order no.																								
<p><b>OP110</b></p> 	<p><b>S54372-F4-A1</b></p>																								
<p><b>Optical smoke detector (collective)</b></p> <p>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).</p> <p><b>Scope of delivery</b> Detector and dust cap.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>Collective / Conventional</td> </tr> <tr> <td>Operating voltage</td> <td>DC 16...28 V</td> </tr> <tr> <td>Operating temperature</td> <td>-10...+55 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30...+70 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤96 % rel.</td> </tr> <tr> <td>Quiescent current</td> <td>Max. 100 µA</td> </tr> <tr> <td>Protection category</td> <td>IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721</td> </tr> <tr> <td>Standard</td> <td>EN 54-7</td> </tr> <tr> <td>Color</td> <td>~RAL 9010, Pure white</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 56 mm (incl. base)</td> </tr> <tr> <td>Data sheet</td> <td>A6V10301051</td> </tr> <tr> <td>Accessories</td> <td>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</td> </tr> </table>	Communication protocol	Collective / Conventional	Operating voltage	DC 16...28 V	Operating temperature	-10...+55 °C	Storage temperature	-30...+70 °C	Relative humidity	≤96 % rel.	Quiescent current	Max. 100 µA	Protection category	IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721	Standard	EN 54-7	Color	~RAL 9010, Pure white	Dimensions (Ø x H)	117 x 56 mm (incl. base)	Data sheet	A6V10301051	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	
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<p><b>HI110</b></p> 	<p><b>S54372-F9-A1</b></p>																								
<p><b>Heat detector (collective, differential)</b></p> <p>For areas having high levels of dust, dirt or moisture that may lead to false activating with smoke detectors. Parameter set A1R.</p> <table border="0"> <tr> <td>Communication protocol</td> <td>Collective / Conventional</td> </tr> <tr> <td>Operating voltage</td> <td>DC 16...28 V</td> </tr> <tr> <td>Operating temperature</td> <td>-10...+50 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-30...+70 °C</td> </tr> <tr> <td>Relative humidity</td> <td>≤96 % rel.</td> </tr> <tr> <td>Quiescent current</td> <td>Max. 100 µA</td> </tr> <tr> <td>Protection category</td> <td>IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721</td> </tr> <tr> <td>Standard</td> <td>EN 54-7</td> </tr> <tr> <td>Color</td> <td>~RAL 9010, Pure white</td> </tr> <tr> <td>Dimensions (Ø x H)</td> <td>117 x 62 mm (incl. base)</td> </tr> <tr> <td>Data sheet</td> <td>A6V10301051</td> </tr> <tr> <td>Accessories</td> <td>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</td> </tr> </table>	Communication protocol	Collective / Conventional	Operating voltage	DC 16...28 V	Operating temperature	-10...+50 °C	Storage temperature	-30...+70 °C	Relative humidity	≤96 % rel.	Quiescent current	Max. 100 µA	Protection category	IP40 IP42 with detector base seal RS720 IP44 with base attachment wet BA721	Standard	EN 54-7	Color	~RAL 9010, Pure white	Dimensions (Ø x H)	117 x 62 mm (incl. base)	Data sheet	A6V10301051	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	
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## Fire detection – conventional and collective peripherals 110-series detectors



### Type

### Order no.

HI112

#### Heat detector (collective, static)

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).







Communication protocol	Collective / Conventional
Operating voltage	DC 16...28 V
Operating temperature	-10...+50 °C
Storage temperature	-30...+70 °C
Relative humidity	≤96 % rel.
Quiescent current	Max. 100 µA
Protection category	IP40 IP42 with detector base seal RS720 IP44 when used with BA721
Standard	EN 54-7
Color	~RAL 9010, Pure white
Dimensions (Ø x H)	117 x 62 mm (incl. base)
Data sheet	A6V10301051
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

S54372-F10-A1

3

## Fire detection – conventional and collective peripherals

### 110-series bases

Type	Order no.
<b>DB110</b> 	<b>S54372-F5-A1</b>
<p><b>Detector base (parameter set 1)</b></p> <p>Standard conventional / collective detector base for all 110-series point detectors. Selects parameter set 1 within detectors. For recess supply wiring or for surface supply wiring, cable diameter up to 8 mm.</p> <p>Cable capacity                      0.2...1.6 mm<sup>2</sup>            Color                                      ~RAL 9010, Pure white            Dimensions (Ø x H)                      117 x 23 mm</p>	
<b>DB110D</b> 	<b>S54372-F6-A1</b>
<p><b>Detector base (parameter set 1)</b></p> <p>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.</p> <p>Cable capacity                      0.2...1.6 mm<sup>2</sup>            Color                                      ~RAL 9010, Pure white            Dimensions (Ø x H)                      117 x 23 mm</p>	
<b>DB110R</b> 	<b>S54372-F7-A1</b>
<p><b>Detector base (parameter set 2)</b></p> <p>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.</p> <p>Cable capacity                      0.2...1.6 mm<sup>2</sup>            Color                                      ~RAL 9010, Pure white            Dimensions (Ø x H)                      117 x 23 mm</p>	
<b>DB110RD</b> 	<b>S54372-F8-A1</b>
<p><b>Detector base (parameter set 2)</b></p> <p>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.</p> <p>Cable capacity                      0.2...1.6 mm<sup>2</sup>            Color                                      ~RAL 9010, Pure white            Dimensions (Ø x H)                      117 x 23 mm</p>	








## Fire detection – conventional and collective peripherals

### 110-series bases

#### Base accessories

Type		Order no.
FDBZ291	<b>Designation plate</b> To identify the location address for detector bases.   Color: Transparent Delivery unit: 10 pieces Dimensions (W x H): 62 x 35 mm	A5Q00002621
DBZ1190-AA	<b>Micro terminal 0.5 mm<sup>2</sup>, 4-pole</b> As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.   Cable capacity: 0.28...0.5 mm <sup>2</sup> Delivery unit: 50 pieces Dimensions (W x H x D): 10 x 7 x 10 mm	BPZ:4677080001
DBZ1190-AB	<b>Connection terminal 2.5 mm<sup>2</sup>, 3-pole</b> As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.   Cable capacity: 1...2.5 mm <sup>2</sup> Delivery unit: 50 pieces Dimensions (W x H x D): 13.5 x 9.5 x 19.5 mm	BPZ:4942340001



Type

Order no.

FDAI91

**Alarm indicator - Door frame**

S54370-F9-A1



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

Operating voltage	DC 5...8 V
Operating current	Max. 35 mA
Cable capacity	Max. 1.5 mm <sup>2</sup>
Operating temperature	-25...+80 °C
Relative humidity	≤95 % rel.
Color	~RAL 9010, Pure white
Protection category	IP40
Dimensions (W x H x D)	62 x 37 x 24 mm
Data sheet	A6V10276520

FDAI92

**Alarm indicator - Surface**

S54370-F3-A1



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

Operating voltage	DC 5...8 V
Operating current	Max. 35 mA
Cable capacity	Max. 1.5 mm <sup>2</sup>
Operating temperature	-25...+80 °C
Relative humidity	≤95 % rel.
Color	~RAL 9010, Pure white
Protection category	IP40
Dimensions (W x H x D)	85 x 85 x 28 mm
Data sheet	A6V10276520
Accessories	AI330 Adapter frame

FDAI93

**Alarm indicator - Flush**

S54370-F5-A1




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.

Operating voltage	DC 6...8 V
Operating current	Max. 35 mA
Cable capacity	Max. 1.5 mm <sup>2</sup>
Operating temperature	-25...+80 °C
Relative humidity	≤95 % rel.
Color	Transparent
Dimensions (Ø x D)	22 x 51 mm
Data sheet	A6V10276520

## Fire detection – conventional and collective peripherals

### Alarm indicators

#### Alarm indicator accessory

Type	Order no.
<b>AI330</b>	<b>BPZ:3169430001</b>
	
<b>Adapter frame for alarm indicator</b>	
By means of the additional frame, the alarm indicator can also be used for surface laid conduits or ducts, to increase the loop space and as an adapter for different makes of the box.	
Dimensions (W x H x D)	85 x 85 x 16 mm



## Fire detection – conventional and collective peripherals

### Collective manual call points

#### MCP with direct operation

Type

Order no.

FDM1101-RG

#### Manual call point with glass plate

S54371-F6-A1



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

For surface mounting the back box FDMH295-x must be ordered separately.

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

FDM1101-RP

#### Manual call point with resettable plastic element

S54371-F6-A2



For immediate manual actuation of a fire alarm. For indoor and outdoor 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.


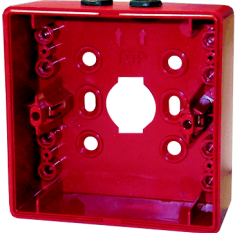



For surface mounting the back box FDMH295-x must be ordered separately.

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

## Fire detection – conventional and collective peripherals

### Collective manual call points

#### MCP with direct operation


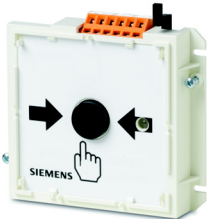



Type	Order no.
<p><b>FDMH295-R</b></p>  <p><b>Accessories</b></p> <p><b>Back box</b> Housing base for manual call points for surface mounting.</p> <p>Color ~RAL 3000, Flame red            Dimensions (W x H x D) 87 x 87 x 33 mm            Delivery unit 10 pieces            Accessories A5Q00004478 Screwed cable gland M20            A5Q00004479 Back nut M20            DBZ1190-AB Connection terminal 2.5 mm<sup>2</sup>, 3-pole</p>	A5Q00013437
<p><b>FDMH295-S</b></p>  <p><b>Back box with 2 entries</b> Housing base for manual call points with 2 holes on top fitted with grommet for cable Ø 5 mm for surface mounting.</p> <p>Color ~RAL 3000, Flame red            Dimensions (W x H x D) 87 x 87 x 33 mm            Delivery unit 10 pieces            Accessories DBZ1190-AB Connection terminal 2.5 mm<sup>2</sup>, 3-pole</p>	A5Q00013438
<p><b>FDMC295</b></p>  <p><b>Protective cover</b> The protective cover protects the manual call points from unintentional glass break.</p> <p>Color Transparent            Delivery unit 10 pieces</p>	A5Q00013440
<p><b>A5Q00004478</b></p>  <p><b>Screwed cable gland M20 x 1.5</b> The screwed cable gland is for M20 cable feed-through. It enables higher protection category.</p> <p>Delivery unit 10 pieces</p>	A5Q00004478
<p><b>A5Q00004479</b></p>  <p><b>Back nut M20</b> Back nut to screwed cable gland M20 x 1.5.</p> <p>Delivery unit 10 pieces</p>	A5Q00004479



## Fire detection – conventional and collective peripherals

### Collective manual call points

#### MCP with indirect operation

Type		Order no.
<b>DMA1192-AA</b>	<b>Housing red, with glass and key</b> Manual call point housing for the switching units DMA110xD.  Color ~RAL 3000, Flame red Data sheet A6V10236643	<b>BPZ:5222870001</b>
		
<b>DMA1103D</b>	<b>Switching unit collective (double action)</b> 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.  Operating voltage DC 16...26 V Operating current 60...100 mA Terminal block Min. 0.28...1.5 mm <sup>2</sup>	<b>A5Q00004470</b>
		
<b>DMZ1197-AC</b>	<b>Protective cover</b> Protects the manual call point from unintentional glass break. Protective cover can be easily fitted directly in the housing cover.  Delivery unit 5 pieces	<b>BPZ:5223550001</b>
		
<b>DMZ1197-AD</b>	<b>Protection seal</b> Protects the manual call point in wet applications. The seal improves the manual call point housing's protection category.  Delivery unit 5 pieces	<b>BPZ:5470680001</b>
		
<b>A5Q00004478</b>	<b>Screwed cable gland M20 x 1.5</b> The screwed cable gland is for M20 cable feed-through. It enables higher protection category.  Delivery unit 10 pieces	<b>A5Q00004478</b>
		



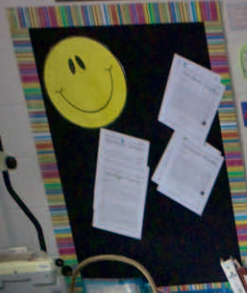
### 10.8 Volumes of Pyramids and Cones

**SUMMARY: Surface Area and Volumes of Solids**

<b>Prism</b>	Surface Area $S = 2B + Ph$	<b>Cylinder</b>	Surface Area $S = 2\pi r^2 + 2\pi rh$
	Volume $V = Bh$		Volume $V = \pi r^2 h$
<b>Pyramid</b>	Surface Area $S = B + \frac{1}{2}Pl$		
	Volume $V = \frac{1}{3}Bh$		

Handwritten notes on the whiteboard:

- 1) 500 - 500 = 0
- 2) 1/3 \* 3 \* 6 = 6
- 3) only pyramids
- SA of a cylinder:  $SA = 2\pi r^2 + 2\pi rh$
- Area of a circle:  $A = \pi r^2$



**NO TRAITING PHONES**

The school district policy on cell phones is as follows: Cell phones are not to be used during class time. If you are caught using a cell phone during class time, you will receive a warning. If you are caught again, you will receive a suspension. If you are caught a third time, you will receive a suspension and your phone will be confiscated. If you are caught a fourth time, you will receive a suspension and your phone will be confiscated. If you are caught a fifth time, you will receive a suspension and your phone will be confiscated.







## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

#### Sounders

Type

Order no.

ROLP/R/S

**Roshni Sounder red**

GBI:1082507



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

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
Standard	EN 54-3
Color	Red
Dimensions (Ø x H)	93 x 63 mm; 93 x 93 mm with adapter base
Data sheet	A6V10423405

ROLP-W

**Roshni Sounder white**

S54370-N44-A1



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

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
Standard	EN 54-3
Color	White
Dimensions (Ø x H)	93 x 63 mm; 93 x 93 mm with adapter base
Data sheet	A6V10423405

DAB-R

**Deep adapter base - red**

S54370-N27-A1





Deep base for surface wiring. Red ABS plastic housing.

Color	Red
Dimensions (Ø x H)	93 x 50 mm

## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

#### Sounders



Type		Order no.
DAB-W	<b>Deep adapter base - white</b> Deep base for surface wiring. White ABS plastic housing.  Color White Dimensions (Ø x H) 93 x 50 mm	S54370-N27-A2
AGT24.1	<b>Alarm device</b> Ultra slim profile sounder for ceiling mounting for small to medium-sized rooms with a low background noise level. Detectors can be fitted to the unit providing a neat, unobtrusive installation. Choice of 4 different tones with two sound intensities, remote-controlled change of tone for two-stage alarm.  Operating voltage DC 9...30 V Alarm current 3...15 mA Operating temperature -25...+85 °C Number of sounds 4 Frequency range 510...970 Hz Volume at 24 V and 1 m 86...97 dB Cable capacity 0.28...1.5 mm <sup>2</sup> Protection category IP42 Standard EN 54-3 Dimensions (Ø x D) 110 x 35 mm Color ~RAL 9003, Signal white Data sheet 001790	BPZ:5371040001



## Fire detection – conventional and collective peripherals

### Conventional alarm equipment



#### Visual alarming devices

Type		Order no.																
<b>SOL-LX-C-WW</b>	<b>Beacon with white housing and white flash light for ceiling mounting</b>	<b>S54370-N29-A1</b>																
	<p>Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.</p> <ul style="list-style-type: none"><li>- White ABS plastic housing for surface mounting</li><li>- For ceiling mounting</li><li>- White flash color</li><li>- Ultra low current consumption</li><li>- Up to 7.5 m diameter coverage (C-3-7.5)</li><li>- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption</li><li>- Selectable range reduction to 3 m reduces the power consumption up to 50 %</li></ul>																	
	<table><tr><td>Protection category</td><td>IP33C (IP65 with DAB)</td></tr><tr><td>Operating voltage</td><td>DC 9...60 V</td></tr><tr><td>Operating temperature</td><td>-25...+70 °C</td></tr><tr><td>Operating current</td><td>10...25 mA</td></tr><tr><td>Standard</td><td>EN 54-23</td></tr><tr><td>Color</td><td>White / white</td></tr><tr><td>Dimensions (Ø x H)</td><td>93 x 37 mm; 93 x 65 mm with adapter base</td></tr><tr><td>Data sheet</td><td>A6V10423405</td></tr></table>	Protection category	IP33C (IP65 with DAB)	Operating voltage	DC 9...60 V	Operating temperature	-25...+70 °C	Operating current	10...25 mA	Standard	EN 54-23	Color	White / white	Dimensions (Ø x H)	93 x 37 mm; 93 x 65 mm with adapter base	Data sheet	A6V10423405	
Protection category	IP33C (IP65 with DAB)																	
Operating voltage	DC 9...60 V																	
Operating temperature	-25...+70 °C																	
Operating current	10...25 mA																	
Standard	EN 54-23																	
Color	White / white																	
Dimensions (Ø x H)	93 x 37 mm; 93 x 65 mm with adapter base																	
Data sheet	A6V10423405																	
<b>SOL-LX-C-WR</b>	<b>Beacon with white housing and red flash color for ceiling mounting</b>	<b>S54370-N29-A2</b>																
	<p>Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.</p> <ul style="list-style-type: none"><li>- White ABS plastic housing for surface mounting</li><li>- For ceiling mounting</li><li>- Red flash color</li><li>- Ultra low current consumption</li><li>- Up to 7.5 m diameter coverage (C-3-7.5)</li><li>- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption</li><li>- Selectable range reduction to 3 m reduces the power consumption up to 50 %</li></ul>																	
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Protection category	IP33C (IP65 with DAB)																	
Operating voltage	DC 9...60 V																	
Operating temperature	-25...+70 °C																	
Operating current	10...25 mA																	
Standard	EN 54-23																	
Color	White / red																	
Dimensions (Ø x H)	93 x 37 mm; 93 x 65 mm with adapter base																	
Data sheet	A6V10423405																	

## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

#### Visual alarming devices

Type		Order no.																
<b>SOL-LX-W-WW</b>	<b>Beacon with white housing and white flash color for wall mounting</b>	<b>S54370-N30-A2</b>																
	<p>Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.</p> <ul style="list-style-type: none"><li>- White ABS plastic housing for surface mounting</li><li>- For wall mounting</li><li>- White or white flash color</li><li>- Ultra low current consumption</li><li>- Up to 7.5 m room coverage (W-2.4-7.5)</li><li>- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption</li><li>- Selectable range reduction to 2.5 m reduces the power consumption up to 50 %</li></ul>																	
	<table><tr><td>Protection category</td><td>IP33C (IP65 with DAB)</td></tr><tr><td>Operating voltage</td><td>DC 9...60 V</td></tr><tr><td>Operating temperature</td><td>-25...+70 °C</td></tr><tr><td>Operating current</td><td>10...25 mA</td></tr><tr><td>Standard</td><td>EN 54-23</td></tr><tr><td>Color</td><td>White / white</td></tr><tr><td>Dimensions (Ø x H)</td><td>93 x 38 mm; 93 x 66 mm with adapter base</td></tr><tr><td>Data sheet</td><td>A6V10423405</td></tr></table>	Protection category	IP33C (IP65 with DAB)	Operating voltage	DC 9...60 V	Operating temperature	-25...+70 °C	Operating current	10...25 mA	Standard	EN 54-23	Color	White / white	Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base	Data sheet	A6V10423405	
Protection category	IP33C (IP65 with DAB)																	
Operating voltage	DC 9...60 V																	
Operating temperature	-25...+70 °C																	
Operating current	10...25 mA																	
Standard	EN 54-23																	
Color	White / white																	
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base																	
Data sheet	A6V10423405																	
<b>SOL-LX-W-RR</b>	<b>Beacon with red housing and red flash color for wall mounting</b>	<b>S54370-N30-A3</b>																
	<p>Beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.</p> <ul style="list-style-type: none"><li>- Red ABS plastic housing for surface mounting</li><li>- For wall mounting</li><li>- Red flash color</li><li>- Ultra low current consumption</li><li>- Up to 7.5 m room coverage (W-2.4-7.5)</li><li>- Selectable flash rate from 0.5 Hz to 1 Hz to reduce the current consumption</li><li>- Selectable range reduction to 2.5 m reduces the power consumption up to 50 %</li></ul>																	
	<table><tr><td>Protection category</td><td>IP33C (IP65 with DAB)</td></tr><tr><td>Operating voltage</td><td>DC 9...60 V</td></tr><tr><td>Operating temperature</td><td>-25...+70 °C</td></tr><tr><td>Operating current</td><td>10...25 mA</td></tr><tr><td>Standard</td><td>EN 54-23</td></tr><tr><td>Color</td><td>Red / white</td></tr><tr><td>Dimensions (Ø x H)</td><td>93 x 38 mm; 93 x 66 mm with adapter base</td></tr><tr><td>Data sheet</td><td>A6V10423405</td></tr></table>	Protection category	IP33C (IP65 with DAB)	Operating voltage	DC 9...60 V	Operating temperature	-25...+70 °C	Operating current	10...25 mA	Standard	EN 54-23	Color	Red / white	Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base	Data sheet	A6V10423405	
Protection category	IP33C (IP65 with DAB)																	
Operating voltage	DC 9...60 V																	
Operating temperature	-25...+70 °C																	
Operating current	10...25 mA																	
Standard	EN 54-23																	
Color	Red / white																	
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base																	
Data sheet	A6V10423405																	



## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

#### Visual alarming devices

#### Type

#### Order no.

##### SOL-LX-W-WR

##### Beacon with white housing and red flash color for wall mounting

S54370-N30-A4



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 or 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 %

Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Standard	EN 54-23
Color	White / red
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base
Data sheet	A6V10423405

##### SOL-LX-W-RW

##### Beacon with red housing and white flash color for wall mounting

S54370-N30-A1



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 or 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 %

Protection category	IP33C (IP65 with DAB)
Operating voltage	DC 9...60 V
Operating temperature	-25...+70 °C
Operating current	10...25 mA
Standard	EN 54-23
Color	Red / white
Dimensions (Ø x H)	93 x 38 mm; 93 x 66 mm with adapter base
Data sheet	A6V10423405

##### DAB-R

##### Deep adapter base - red


S54370-N27-A1



Deep base for surface wiring. Red ABS plastic housing.

Color	Red
Dimensions (Ø x H)	93 x 50 mm

Fire detection – conventional and collective peripherals  
Conventional alarm equipment  
Visual alarming devices

Type	Order no.				
<p data-bbox="103 331 183 358"><b>DAB-W</b></p>  <p data-bbox="391 331 662 358"><b>Deep adapter base - white</b></p> <p data-bbox="391 369 925 398">Deep base for surface wiring. White ABS plastic housing.</p> <table data-bbox="391 436 837 504"><tr><td data-bbox="391 436 710 465">Color</td><td data-bbox="710 436 837 465">White</td></tr><tr><td data-bbox="391 465 710 495">Dimensions (Ø x H)</td><td data-bbox="710 465 837 495">93 x 50 mm</td></tr></table>	Color	White	Dimensions (Ø x H)	93 x 50 mm	<p data-bbox="1066 331 1236 358"><b>S54370-N27-A2</b></p>
Color	White				
Dimensions (Ø x H)	93 x 50 mm				



## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

#### Optical signaling equipment

Type

Order no.

ALB24.1OR

#### Flashing signal lamp - orange



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

Operating voltage	DC 20...30 V
Alarm current	155 mA (3.7 W)
Operating temperature	-20...+55 °C
Frequency range	Ca. 1 Hz (60/min.)
Flash energy	2 Joule
Cable capacity	1.5 mm <sup>2</sup>
Protection category	IP54
Dimensions (Ø x D)	93 x 75 mm
Data sheet	001570
Accessories	DAB-W deep adapter base for IP65

BPZ:5154140001

DAB-W

#### Deep adapter base - white



Deep base for surface wiring. White ABS plastic housing.

Color	White
Dimensions (Ø x H)	93 x 50 mm

S54370-N27-A2

3

## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

#### Combined sounder and visual alarming devices

Type		Order no.																		
RoLP-LX-RW	<b>Sounder beacon with red housing and white flash color</b>  <p>Sounder beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.</p> <ul style="list-style-type: none"><li>- Red ABS plastic housing for surface mounting</li><li>- For wall mounting</li><li>- White flash color</li><li>- Ultra low current consumption</li><li>- Up to 7.5 m (switchable to 2.5 m) room coverage volume (W-2.4-7.5)</li><li>- Switch flash rate to 0.5 Hz to reduce the current consumption</li><li>- Reduces power consumption by up to 50 %</li></ul> <table><tr><td>Protection category</td><td>IP65</td></tr><tr><td>Operating voltage</td><td>DC 18...28 V</td></tr><tr><td>Operating temperature</td><td>-25...+70 °C</td></tr><tr><td>Operating current</td><td>22...37 mA</td></tr><tr><td>Volume at 24 V and 1 m</td><td>102 db</td></tr><tr><td>Standard</td><td>EN 54-3, EN 54-23</td></tr><tr><td>Color</td><td>Red / white</td></tr><tr><td>Dimensions (W x H x D)</td><td>95 x 135 x 95 mm</td></tr><tr><td>Data sheet</td><td>A6V10423405</td></tr></table>	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	Standard	EN 54-3, EN 54-23	Color	Red / white	Dimensions (W x H x D)	95 x 135 x 95 mm	Data sheet	A6V10423405	S54370-N28-A1
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																			
Standard	EN 54-3, EN 54-23																			
Color	Red / white																			
Dimensions (W x H x D)	95 x 135 x 95 mm																			
Data sheet	A6V10423405																			
RoLP-LX-WW	<b>Sounder beacon with white housing and white flash color</b>  <p>Sounder beacon for use where low current consumption is a key consideration. Ideal for bedrooms, bathrooms and toilets.</p> <ul style="list-style-type: none"><li>- White ABS plastic housing for surface mounting</li><li>- For wall mounting</li><li>- White flash color</li><li>- Ultra low current consumption</li><li>- Up to 7.5 m (switchable to 2.5 m) room coverage volume (W-2.4-7.5)</li><li>- Switch flash rate to 0.5 Hz to reduce the current consumption</li><li>- Reduces power consumption by up to 50 %</li></ul> <table><tr><td>Protection category</td><td>IP65</td></tr><tr><td>Operating voltage</td><td>DC 18...28 V</td></tr><tr><td>Operating temperature</td><td>-25...+70 °C</td></tr><tr><td>Operating current</td><td>22...37 mA</td></tr><tr><td>Volume at 24 V and 1 m</td><td>102 db</td></tr><tr><td>Standard</td><td>EN 54-3, EN 54-23</td></tr><tr><td>Color</td><td>White / white</td></tr><tr><td>Dimensions (W x H x D)</td><td>95 x 135 x 95 mm</td></tr><tr><td>Data sheet</td><td>A6V10423405</td></tr></table>	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	Standard	EN 54-3, EN 54-23	Color	White / white	Dimensions (W x H x D)	95 x 135 x 95 mm	Data sheet	A6V10423405	S54370-N28-A2
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																			
Standard	EN 54-3, EN 54-23																			
Color	White / white																			
Dimensions (W x H x D)	95 x 135 x 95 mm																			
Data sheet	A6V10423405																			





## Fire detection – conventional and collective peripherals

### Conventional alarm equipment

### Combined sounder and visual alarming devices

#### Type

#### Order no.

##### RoLP-LX-RR

##### Sounder beacon with red housing and red flash color

S54370-N28-A4



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 %

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
Standard	EN 54-3, EN 54-23
Color	Red / red
Dimensions (W x H x D)	95 x 135 x 95 mm
Data sheet	A6V10423405

##### RoLP-LX-WR

##### Sounder beacon with white housing and red flash color

S54370-N28-A3



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 %

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
Standard	EN 54-3, EN 54-23
Color	White / red
Dimensions (W x H x D)	95 x 135 x 95 mm
Data sheet	A6V10423405



# Power supply

## Standalone power supply 70 W



### Type

### Order no.

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.

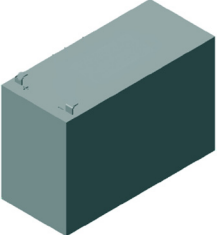
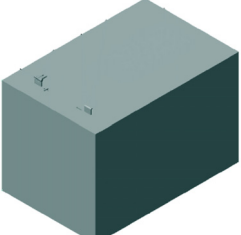
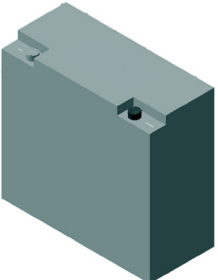


Mains voltage	AC 98...127 V / AC 196...253 V
Power supply	70 W
Operating current	Max. 2.5 A
Battery capacity	2x 12 V, 7 Ah or 12 Ah or 17 Ah
System voltage output	2x 24 V / 1 A or 1x 24 V / 2 A
Relative humidity	≤95 % rel. (no condensation)
Storage temperature	-20...+60 °C
Protection category	IP30
Color housing/cover	~RAL 9010, Pure white
Dimensions (W x H x D)	430 x 399 x 124 mm
Data sheet	A6V10416448

S54400-S122-A1

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## Power supply Batteries

Type	Order no.
<p><b>FA2003-A1</b></p>  <p><b>Battery (12 V, 7 Ah, VDS)</b></p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D)                      Max. 153 x 103 x 67 mm</p>	A5Q00019353
<p><b>FA2004-A1</b></p>  <p><b>Battery (12 V, 12 Ah, VDS)</b></p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D)                      Max. 153 x 102 x 100 mm</p>	A5Q00019354
<p><b>FA2005-A1</b></p>  <p><b>Battery (12 V, 17 Ah, VDS)</b></p> <p>Rechargeable, sealed lead-acid battery for emergency power supply. 2 batteries must be ordered (system voltage 24 V).</p> <p>Dimensions (W x H x D)                      Max. 183 x 170 x 80 mm</p>	A5Q00019677






## Special equipment

### Test equipment

#### Detector tester

Type		Order no.
DX791	<p><b>Detector exchanger</b></p> <p>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.</p> <p>Data sheet A6V10203222 Accessories FDUD491 Adapter for detector exchanger FDUM291 Telescope rod FDUM292 Telescope rod</p>	S54319-F6-A1
RE8ST	<p><b>Testifire 1001-101 ST test kit</b></p> <p>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. <b>Forbidden in electrical switching stations or areas where there is a danger of explosion!</b> The adapter RE7T-A and the extension rod FDUM291/292 must be ordered separately.</p> <p>Operating temperature 5...+45 °C Storage temperature -10...+50 °C Relative humidity ≤95 % rel. Data sheet A6V10397718 Accessories FDUM291 Telescope rod FDUM292 Telescope rod RE7T-A Solo719 Adapter for FDUM29x RE8-S Smoke capsules</p>	S54370-S23-A1
RE8-S	<p><b>TS3 smoke capsules</b></p> <p>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.</p> <p>Delivery unit 6 Data sheet A6V10397718</p>	S54370-N25-A1

Special equipment  
 Test equipment  
 Detector tester

Type	Order no.
<p><b>RE7T-A</b></p>  <p><b>Accessories</b></p> <p><b>Solo719 Adapter for FDUM29x</b></p> <p>Adapter from the detector testers RE7T, RE8ST and RE8STCO to the telescope rods FDUM29x.</p> <p>Data sheet                      A6V10252901</p>	S54370-N4-A1
<p><b>RE7T-B</b></p>  <p><b>Solo760 Battery for RE7T, RE8ST, RE8STCO, SCORP 8000</b></p> <p>Use as spare part for the test devices RE7T, RE8ST, RE8STCO, SCORP 8000.</p> <p>Data sheet                      A6V10252901</p>	S54370-N5-A1
<p><b>RE7T-C</b></p>  <p><b>Solo726 Charger for RE7T, RE8ST, RE8STCO, SCORP 8000</b></p> <p>Use as spare part for charging of battery baton to the test devices RE7T, RE8ST, RE8STCO, SCORP 8000.</p> <p>Data sheet                      A6V10252901</p>	S54370-N6-A1

Special equipment  
Test equipment  
Detector tester



Type

Order no.

FDUM291

Telescope rod

A5Q00004996



The three-part telescope with tri-oval tubes serves as an extension for the detector exchanger, detector testers and other applications up to 5 m.

Length 1.6 m extendable to 4.2 m  
Color Yellow, black

FDUM292

Telescope rod

A5Q00004997



The stable, four-part telescope with round tubes serves as an extension for the detector exchanger, detector testers and other applications up to 8 m.

Length 2.1 m extendable to 7.3 m  
Color Yellow, black


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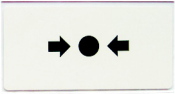

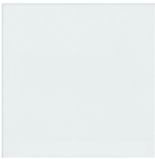





## Spare parts Conventional fire control panel FC120

Type		Order no.										
FP2015-A1	 <p><b>Power supply (70 W)</b></p> <p>Auxiliary power supply to all stations (control panels and terminals). Converts mains voltage to system voltage. Monitors mains voltage and batteries.</p> <table><tr><td>Mains voltage</td><td>AC 97...127 V / AC 196...253 V</td></tr><tr><td>Power supply</td><td>70 W</td></tr><tr><td>Operating current</td><td>Max. 2.5 A</td></tr><tr><td>Battery capacity</td><td>2 x 12 V, 7 Ah / 12 Ah / 17 Ah</td></tr><tr><td>Dimensions (W x H x D)</td><td>95 x 170 x 54 mm</td></tr></table>	Mains voltage	AC 97...127 V / 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	S54400-B121-A1
Mains voltage	AC 97...127 V / 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											
FCA1215-Z1	<p><b>FCA1215-Z1 Universal accessory kit</b></p> <p>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</p>	S54400-S165-A1										

## Spare parts

### Collective manual call points

Type		Order no.
FDMG295	<p><b>Glass plate neutral</b></p> <p>Glass plate for manual call points FDM225-RG, FDM226-RG, FDM1101-RG and FDM1101A-RG. Use as spare part.</p>  <p>Delivery unit 5 pieces</p>	A5Q00013442
FDMP295	<p><b>Plastic element neutral</b></p> <p>Plastic element for manual call points FDM225-RP, FM226-RP, FDM1101-RP and FDM1101A-RP. Use as spare part.</p>  <p>Delivery unit 5 pieces</p>	A5Q00013445
DMZ1196-AC	<p><b>Spare glass neutral</b></p> <p>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.</p>  <p>Delivery unit 10 pieces</p>	BPZ:4942050001
FDMK295	<p><b>Spare key</b></p> <p>Key for manual call points FDM225, FDM226, FDM1101 and FDM1101A. Use as spare part.</p>  <p>Delivery unit 10 pieces</p>	A5Q00013448
DMZ1195	<p><b>Spare key</b></p> <p>The spare key is used for all manual call point housings DMA1192-xx, FDMH293-x, FDMH273-x, FDMH297-x.</p>  <p>Delivery unit 10 pieces</p>	BPZ:4851910001
DBZ1190-AB	<p><b>Connection terminal 2.5 mm<sup>2</sup>, 3-pole</b></p> <p>As cross-connection in bases for external alarm indicators (AI), cable shielding, for the connection of a power supply unit or other components. Can easily be inserted.</p>  <p>Cable capacity 1...2.5 mm<sup>2</sup> Dimensions (W x H x D) 95 x 170 x 54 mm Delivery unit 50 pieces</p>	BPZ:4942340001

## Notes

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## Notes

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ALB24.10R	Flashing signal lamp - orange	BPZ:5154140001	3-21
AX1213	Battery (12 V, 4.5 Ah)	BPZ:4392990001	1-6, 1- 10
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BA721	Base attachment wet	S54319-F29-A1	3-7
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DB110D	Detector base (parameter set 1)	S54372-F6-A1	3-6
DB110R	Detector base (parameter set 2)	S54372-F7-A1	3-6
DB110RD	Detector base (parameter set 2)	S54372-F8-A1	3-6
DBZ1190-AA	Micro terminal 0.5 mm <sup>2</sup> , 4-pole	BPZ:4677080001	3-8
DBZ1190-AB	Connection terminal 2.5 mm <sup>2</sup> , 3-pole	BPZ:4942340001	3-8, 6-2
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BPZ:4942340001	Connection terminal 2.5 mm <sup>2</sup> , 3-pole	DBZ1190-AB	3-8, 6-2
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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract. The document contains a general product overview. Availability can vary by country. For detailed product information, please contact the company office or authorized partners.

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