Cerberus PRO Planning Tool – control panels and network

Answers for infrastructure.

SIEMENS

Danger Management System

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

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

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

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

Cerberus-Remote

Remote access

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

C-WEB/Ethernet

BACnet/IP

C-WEB/Ethernet

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

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

Restriction on the Ethernet
- Not EN 54-compliant
- Redundant networking not possible
- 4 stations can be networked via Ethernet (additional stations only networkable via C-WEB)

Fire control panel FC721-ZZ

consisting of:

Control unit
- Optional: key switch Kaba FTO2005-C1

Housing
- Eco: 398x430x80 mm (HxWxD)
- 70 W power supply
- Max. battery capacity: 2x7 Ah

Art. no.: S54400-C32-A2

Fire control panel FC721-YZ

consisting of:

Control unit
- 24 display groups each with one red and one yellow LED
- Optional: key switch Kaba FTO2005-C1

Housing
- Eco: 398x430x80 mm (HxWxD)
- 70 W power supply
- Max. battery capacity: 2x7 Ah

Art. no.: S54400-C32-A3

Fire control panel FC721 (1-loop)

Description

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

Technical data

C-NET detector lines
- Number of addresses: max. 126
- Number of integrated loops/stubs: 1/2

Inputs and outputs
- 1 relay output for RT alarm
- 1 relay output for RT fault
- 1 monitored alarm output
- 1 monitored fault output
- 1 monitored sounder output (1 A)
- 4 configurable inputs/outputs 24 VDC
- 1 Ethernet connection (RJ45)

Fire control panel FC722-ZZ

consisting of:

Control unit
- Optional:
  - Event printer FTO2001-A1
  - Key switch Kaba FTO2005-C1

Housing
- Standard: 398x430x160 mm (HxWxD)
- 70 W power supply
- Max. battery capacity: 2x12 Ah

Art. no.: S54400-C29-A5

Fire control panel FC722-YZ

consisting of:

Control unit
- 24 display groups each with one red and one yellow LED
- Optional: key switch Kaba FTO2005-C1

Housing
- Standard: 398x430x160 mm (HxWxD)
- 70 W power supply
- Max. battery capacity: 2x12 Ah

Art. no.: S54400-C29-A4

Repeater (SAFEDLINK) FN2002-A1

The repeater doubles the range between 2 C-WEB stations (from 1,000 m to 2,000 m). A separate power supply is needed.

Art. no.: S24236-B2502-A1

Fire control panel FC722 (2-loop)

Description

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

Technical data

C-NET detector lines
- Number of addresses: max. 252
- Number of loops/stubs: 2/4
- Optionally with loop extension: 4 loops/8 stubs

Inputs and outputs
- 1 relay output for RT alarm
- 1 relay output for RT fault
- 1 monitored alarm output
- 1 monitored fault output
- 1 monitored sounder output (1 A)
- 8 configurable inputs/outputs 24 VDC
- 1 Ethernet connection (RJ45)
- Optional: sounder module for splitting the sounder line output into 4 monitored outputs (2 A)

In the basic version each FC722 control panel contains:
- Alarm transmission
- Fault transmission
- Fire controls
- Monitoring of conventional sounder line

Fire control panel FC722-ZA

consisting of:

Control unit
- Optional:
  - Event printer FTO2001-A1
  - Key switch Kaba FTO2005-C1
  - Operating add-on, 48 display groups each with one red and one yellow LED FCM7211-Y3

Housing
- Comfort: 796x430x160 mm (HxWxD)
- 150 W power supply
- Max. battery capacity: 2x26 Ah

Art. no.: S54400-C29-A2

Fire control panel FC722-ZE

consisting of:

Control unit
- 48 display groups each with one red and one yellow LED
- Optional:
  - Event printer FTO2001-A1
  - Key switch Kaba FTO2005-C1

Housing
- Comfort: 796x430x160 mm (HxWxD)
- 150 W power supply
- Max. battery capacity: 2x26 Ah

Art. no.: S54400-C29-A1

Fire control panel FC724-ZA

consisting of:

Control unit
- Optional:
  - Event printer FTO2001-A1
  - Key switch Kaba FTO2005-C1
  - Operating add-on, 48 display groups each with one red and one yellow LED FCM7211-Y3

Housing
- Comfort: 796x430x160 mm (HxWxD)
- 150 W power supply
- Max. battery capacity: 2x26 Ah

Art. no.: S54400-C30-A2

Fire control panel FC724-ZE

consisting of:

Control unit
- 48 display groups each with one red and one yellow LED
- Optional:
  - Event printer FTO2001-A1
  - Key switch Kaba FTO2005-C1

Housing
- Comfort: 796x430x160 mm (HxWxD)
- 150 W power supply
- Max. battery capacity: 2x26 Ah

Art. no.: S54400-C30-A3

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

Fire control panel FC724 (4-loop)

Description

The FC724 is a compact 4-loop fire control panel. It has the following features:
- 4 C-NET loops
- Integrated inputs/outputs for peripherals
- Integrated control unit
- Integrated power supply
- Automatic configuration
- Networkability via C-WEB/SAFEDLINK or Ethernet

Technical data

C-NET detector lines
- Number of addresses: max. 504
- Number of loops/stubs: 4/8
- Optionally with loop extension: 8 loops/16 stubs

Inputs and outputs
- 1 relay output for RT alarm
- 1 relay output for RT fault
- 1 monitored alarm output
- 1 monitored fault output
- 2 monitored sounder outputs (1 A each)
- 12 configurable inputs/outputs 24 VDC
- 1 Ethernet connection (RJ45)
- Optional: sounder module for splitting the sounder line output into 4 monitored outputs (2 A)

Fire terminal FT724

Description

The FT724 has the following features:
- Integrated control unit
- Separate 24 VDC supply input possible
- Redundant 24 VDC supply input
- Networkability via C-WEB/SAFEDLINK or Ethernet

Technical data

- 24 VDC system power supply
- Alarm current: 130 mA

C-WEB/SAFEDLINK

Fire terminal FT724-ZZ

consisting of:

Control unit
- Optional:
  - Event printer FTO2001-A1
  - Key switch Kaba FTO2005-C1

Housing
- Eco: 398x430x80 mm (HxWxD)
- Optional:
  - 70 W power supply
  - Max. battery capacity: 2x7 Ah
  - Housing (Eco) FH7201-Z3 and operating add-on (2xLED-ind.) FCM-711-Y3

Art. no.: S54400-C31-A2

Floor repeater terminal FT2010-A1

Used for the display and control of messages from the monitored area

Properties
- Backlit display with plain text display (6 lines of 40 characters each)
- Power supply and communication (individually addressed) via C-NET, additional 24 VDC supply possible
- 207x282x79 mm (HxWxD)
- Max. 8 FT2010/FT2011 per FC721/FC722
- Max. 16 FT2010/FT2011 per FC724

Art. no.: A5Q00014104

C-WEB/SAFEDLINK

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

Features of networking via the system bus
- Cabling via 2-wire cable
- Redundant transmission paths thanks to ring wiring
- Increased security through degraded mode capability via second networking module
- No additional degraded mode cabling required, even with more than 512 fire detectors in the system
- Configurable view of the individual stations

Characteristic data

Max. number of networkable stations:	16
Max. distance between the stations (copper) with repeater:	2,000 m
Max. distance between stations (fiber-optic: multi mode/single mode):	2,500 m/15,000 m
Max. "standard" data rate:	312 kbps
Max. "low" data rate:	96 kbps
Max. number of network elements:	8,064
Max. control panels with system-wide view:	5

The following guidelines must be observed:
- Fire control panels with more than 512 fire detectors must be equipped with 2 network modules (SAFEDLINK) (EN 54).
- In a system with a total of more than 512 fire detectors, fire control panels must be equipped with connected remote transmission devices with 2 network modules (SAFEDLINK) (EN 54).
- Networking via Ethernet does not conform to EN 54.
- Cables for the network and the DC power supply must be routed separately.

C-NET

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

Manual call point, red FDM221

Optical smoke detector OP720

Alarm sounder FDS221-R

Legend for the designation of fire detectors:

C-NET	Network for linking Cerberus® PRO devices
C-WEB/SAFEDLINK	Network for linking the stations
C-WEB/Ethernet	Networking of 4 stations (not EN 54-compliant)
BACnet/IP	Connection to management systems/building control systems
Serial interfaces	An optional RS232 and/or an RS485 interface (also freely combinable) per control panel or operator terminal

Expansion and networking options

Loop extension (C-NET) FCI2003-A1
The loop extension makes it possible to double the number of loops (e.g. from 2 loops to 4 loops or from 4 loops to 8 loops) while retaining a constant total number of addresses on the C-NET line card (e.g. 2 loops with 126 addresses each or 4 loops with 63 addresses each).

Art. no.: A5Q00010136

Network module (SAFEDLINK) FN2001-A1
With this module the station can be networked via the C-WEB. For this purpose it is necessary to install a network module. In case of additional requirements in terms of the degraded mode function 2 network modules can be installed.

Art. no.: A5Q00012851

RS232 module (isolated) FCA2001-A1
This module is needed, for example, for operating an event printer. It is plugged into the PMI mainboard. The RS232 module is not contained in the set for the event printer.

Art. no.: A5Q00005327

RS485 module (isolated) FCA2002-A1
This is needed, for example, for operating the following modules:
- Fire department display panel with integrated fire department operating panel (FAT and FBF) [DE & CZ]
- EVAC module [NL]

The RS485 module (isolated) is plugged into the PMI mainboard.

Art. no.: A5Q00009923

Sounder module FCA2005-A1
The sounder module has connections for 4 conventional sounder lines (primary lines; 4x up to 1 A, max. 2 A total). The sounder module is screwed to the assembly plate FHA2007-A1.

Art. no.: A5Q00014866

License key L1 FCA2012-A1
Activates the Cerberus-Remote function. For operating Cerberus-Remote, only the station which is to act as the CAP needs to have an L1 installed.

Art. no.: A5Q00018856

License key L2 FCA2013-A1
Activates the Cerberus-Remote and BACnet function. Every station that needs to be accessed by a management system must have L2 installed.

Art. no.: A5Q00018857

Housings

Housing (Eco) FH7201-Z3
- Max. battery capacity: 2x7 Ah
- 398x430x80 mm (HxWxD)
- Optional:
  - Power supply kit (70 W) FP2003-A1
  - Event printer FTO2001-A1
  - Operating add-on (2xLED-ind.) FCM7211-Y3

Art. no.: S54400-B72-A1

Housing (Standard) FH7202-Z3
- Max. battery capacity: 2x26 Ah
- 398x430x160 mm (HxWxD)
- Optional:
  - Power supply kit (70 W) FP2003-A1
  - Power supply kit (150 W) FP2004-A1
  - Power supply kit (150 W) FP2005-A1
  - Event printer FTO2001-A1
  - Operating add-on (2xLED-ind.) FCM7211-Y3

Art. no.: S54400-B70-A1

Housing (Comfort) FH7203-Z3
- Max. battery capacity: 2x26 Ah
- 796x430x160 mm (HxWxD)
- Optional:
  - Power supply kit (70 W) FP2003-A1
  - Power supply kit (150 W) FP2004-A1
  - Power supply kit (150 W) FP2005-A1
  - Event printer FTO2001-A1
  - Operating add-on (2xLED-ind.) FCM7211-Y3

Art. no.: S54400-B71-A1

19" mounting kit FHA2016-A1
Enables all fire control panels and fire terminals to be mounted in a 19" frame; 100x430x324 mm (HxWxD)

Art. no.: A5Q00020179

Operating add-ons

Operating add-on (2xLED-ind.) FCM7211-Y3
This contains 48 display groups each with one red and one yellow LED. Any events can be allocated to the LEDs; 200x427x25 (HxWxD)
Optional: event printer FTO2001-A1

Art. no.: S54400-F75-A1

Key switch Kaba FTO2005-C1
Kaba lock cylinder with installation accessories and keys (Kaba 8 #100). Usable optionally for enabling operation.

Art. no.: A5Q00010113

Event printer FTO2001-A1
The event printer FTO2001-A1 is installed directly in the control panel or in the terminal. It is a thermal printer which logs all events. An RS232 module (isolated) FCA2001-A1 is required for operating the event printer. This is not contained in the printer set and must be ordered separately.

Art. no.: A5Q00010126

Event printer DL3750+
Monitored external event printer for serial connection or via Ethernet. Optional: RS232 module (isolated) FCA2001-A1

Art. no.: A5Q00023962

Power supply

Power supply kit (70 W) FP2003-A1
For the independent power supply of fire terminals such as FT724-ZZ

Art. no.: A5Q00016005

Power supply kit (150 W) FP2004-A1
Power supply for installation in empty housings. Optional: power supply kit with FP2005-A1 is possible.

Art. no.: A5Q00020825

Power supply kit (150 W) FP2005-A1
Power supply kit can be connected in the housing directly after FP2004-A1.

Art. no.: A5Q00018779

Cerberus PRO Planning Tool – C-NET devices

Answers for infrastructure.

SIEMENS

Cerberus® PRO control panels

Fire control panel FC724

Fire control panel FC722

C-WEB

Fire control panel FC722

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

Shared properties FT2010 and FT2011:
– Backlit display with plain text (6 lines of 40 characters each)
– Power supply and communication (individual addressed) via C-NET, additional 24 VDC feed possible
– 207x282x79 mm (HxWxD)
– Max. 8 FT2010/FT2011 per FC721/FC722
– Max. 16 FT2010/FT2011 per FC724

Floor repeater display FT2011-A1
Art. no.: A5Q00017706

Flat rear FHA2013-A1
Art. no.: A5Q00016552

Mimic display driver FT2001-A1
Art. no.: A5Q00014417

LED flat cable 24 LEDs
Art. no.: BPZ:5291410001

Line separator FDCL221
Only required to separate 2 adjacent stubs
Art. no.: A5Q00004011

Input/output module FDCIO222
Art. no.: A5Q00002369

Extinguishing control unit XC10
The XC10 combined extinguishing and detection panel can be fully integrated into all FS720 systems via the FDCIO222 as an independent unit. All relevant incidents are forwarded to the connected control panels. The extinguishing control unit XC10 and the connected extinguishing valves must have a separate power supply.
Art. no.: A6E050060

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:
– Use of all cable types (shielded or unshielded)
– Integration of star-shaped cable networks without modifications to cable network
– Acoustic and visual signaling on the loop
– Up to 60 T-taps
– Up to 126 bus elements on one loop
– Cable lengths up to 3.3 km with 126 bus elements
– 2-wire loop
– Power supply to all bus elements via the C-NET (except transponder FDCIO223, LaserFOCUS, extinguishing control unit XC10)
– Integrated isolator in every loop participant

Cerberus PRO fire detectors

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

or

Detector base DB720
Art. no.: S54319-F4-A1

Multi-sensor smoke detector OH720
Combined optical and thermal sensors, two parameter sets
Art. no.: S54310-F2-A1

Optical smoke detector OP720
Two parameter sets
Art. no.: S54310-F1-A1

Heat detector HI722
One parameter set (static)
Art. no.: S54310-F3-A1

Heat detector HI720
Two parameter sets (rate of rise and static)
Art. no.: S54310-F4-A1

Alarm indicator DJ1191
Art. no.: BPZ:4783280001

Alarm indicator DJ1192
Art. no.: BPZ:4783310001
Additional frame AI330
Art. no.: BPZ:3169430001

Detector base accessories

Detector base seal RS720
Art. no.: S54319-F8-A1

Designation plate FDBZ291
Art. no.: A5Q00002621

Detector locking device LP720
Art. no.: S54319-F9-A1

Flame detector base FDFB291
Art. no.: A5Q00003310

Flame detector FDF241-9
– For inside and outside applications
– Three infrared sensors
Art. no.: A5Q00003006

DA flame detector FDF221-9
– For inside applications
– One infrared sensor
Art. no.: A5Q00003902

Linear smoke detector base FDLB291
Art. no.: A5Q00003941

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

Mounting bracket MV1
Art. no.: BPZ:3950450001

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

Rain hood DFZ1190
Art. no.: BPZ:5302660001

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

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

Detector heating DLH1191A
Art. no.: BPZ:4787970001

up to 100 m

Long-distance reflector DLR1191 (Prism)
For distances between 20 and 100 meters.
Art. no.: BPZ:4787710001

Mid-distance reflector DLR1192
For distances between 30 and 65 meters.
Art. no.: BPZ:4788490001

Short-distance reflector DLR1193
For distances between 10 and 30 meters.
Art. no.: BPZ:4787840001

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

Heat detector DT1102A-Ex
Ex class: Ex ia IIC T4
Art. no.: BPZ:4852270001

Alarm indicator AJUT24-Ex
Art. no.: BPZ:2785440001

Alarm indicator DJ1191-Ex
Art. no.: BPZ:4783440001

Alarm indicator DJ1192-Ex
Art. no.: BPZ:4783570001

Detector base DB1101A
Art. no.: BPZ:4863650001

Heat detector DT1101A-Ex
Ex class: Ex ia IIC T4
Art. no.: BPZ:4852140001

Smoke detector DO1101A-Ex
Ex class: Ex ib IIC T4
Art. no.: BPZ:5008010001

Flame detector DF1101-Ex
(3-channel detector incl. base)
Ex class: Ex ib IIC T4
Art. no.: BPZ:5166750001

Base DFB1190
Art. no.: BPZ:5165360001

Ex zone

Manual call point DM1103 (Ex)
red with indirect alarm actuation
Electronic DMA1103D
Art. no.: A5Q00004470
Housing:
Housing red with key DMA1192-AA
Art. no.: BPZ:5222870001
Label "avoid electrostatic charging!"
Art. no.: BPZ:5358470001

Manual call point DM1104 (Ex)
red
Electronic DMA1104D
Art. no.: A5Q00005925
Housing:
Housing red with key DMA1192-AA
Art. no.: BPZ:5222870001
Label "avoid electrostatic charging!"
Art. no.: BPZ:5358470001

Housing DCA1191
Art. no.: BPZ:4588560001
Installation set Z3I410
Art. no.: BPZ:4837660001
Shunt Zener diode barrier SB3
Art. no.: BPZ:4837400001

Input/output module "Transponder" FDCIO223
Art. no.: S24218-B102-A1

Collective interface

+24 VDC

Aspirating smoke detection
LaserFOCUS VLF-250
Art. no.: VLF-250-SIE
LaserFOCUS VLF-500
Art. no.: VLF-500-SIE

Input/output module "Transponder" FDCIO223
The module has two inputs/outputs and is used for
– connecting conventional detectors
– connecting detectors by means of safety barriers in explosion-protected areas
– controlling alarm devices (flashing lights, sirens)
– for monitored control (e.g. fire dampers)
Art. no.: S24218-B102-A1

+24 VDC

Air sampling chamber ASD Duct
Basic set FDBZ292
(without air flow pipe)
Art. no.: A5Q00021362
Air flow pipe FDBZ292-AA
length 0.6 m
Art. no.: A5Q00021363
Air flow pipe FDBZ292-AB
length 1.5 m
Art. no.: A5Q00021364
Air flow pipe FDBZ292-AC
length 2.8 m
Art. no.: A5Q00021366
Optical smoke detector DO1104A
Art. no.: BPZ:5090640001
Detector base DB1101A
Art. no.: BPZ:4863650001

Housing FDCH221
IP65
Art. no.: S54312-F3-A1

Input module FDCI221
– 1 monitored input
Art. no.: S54312-F1-A1

Input/output module FDCIO221
– 1 monitored input
– 1 output
– Relay output 30 VDC/2 A rated
– Output can be configured as monitored but a separate 24 VDC power supply is required
Art. no.: S54312-F2-A1

4 isolated control inputs

4 isolated control outputs

Input/output module FDCIO222
– 4 monitored inputs
Relay outputs:
– 4 potential-free working/rest contacts
Contact loading:
– 250 VAC/4 A
– 30 VDC/4 A
Art. no.: A5Q00002369

4 isolated control inputs

Input module FDCI222
– 4 monitored inputs
Art. no.: A5Q00001984

Conventional line

Conventional detectors
– Siemens standard collective SynoLINE600
– Conventional line SynoLINE300

Alarm equipment (audible/visible)

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

Alarm sounder FDS221-W
Sound level: 99 dBA/1 m
Art. no.: A5Q00006711

Sounder base FDB221
Art. no.: A5Q00001664

or

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

Alarm sounder FDS221-R
Sound level: 99 dBA/1 m
Art. no.: A5Q00004117

Alarm sounder beacon FDS229-R
Sound level: 99 dBA/1 m
Strobe frequency: 0.5 ... 2 Hz
Strobe intensity: max. 3.2 cd
Art. no.: A5Q00023093

Alarm sounder beacon FDS229-A
Sound level: 99 dBA/1 m
Strobe frequency: 0.5 ... 2 Hz
Strobe intensity: max. 2.8 cd
Art. no.: A5Q00023092

Shared characteristics
– 11 different tones, incl. "evacuate" as specified in DIN 33404-3
– Different volume and sound programmable for pre-alarm and main alarm
– Loop-powered

Sounder accessories

Sealing element FDBZ295
(only together with base FDB221)
Art. no.: S54319-F10-A1

Designation plate FDBZ291
Art. no.: A5Q00002621

Base attachment FDB291
Art. no.: A5Q00001603

Base attachment wet FDB293
Art. no.: A5Q00003945

Designation plate DBZ1193A
Art. no.: BPZ:4864330001

Detector locking device FDBZ293
Art. no.: A5Q00005035

Manual call points and accessories

Manual call point FDM221
Standard, available in different colors

Electronic switching unit FDME221
Art. no.: A5Q00002451

Housing:
Housing red with key FDMH291-R
Art. no.: A5Q00002217
Housing yellow with key FDMH291-Y
Art. no.: A5Q00004979
Housing green with key FDMH291-G
Art. no.: A5Q00004981
Housing blue with key FDMH291-B
Art. no.: A5Q00004980

Accessories:
Protective cover FDMC291
Art. no.: A5Q00001644

Manual call point FDM225
Resettable, available in red and can be used for flush mounting

Manual call point with resettable plastic element FDM225-RP
Art. no.: A5Q00012020
Manual call point with glass plate FDM225-RG
Art. no.: A5Q00013434

Accessories:
Back box FDMH295-R
Art. no.: A5Q00013437
Back box with holes and grommet FDMH295-S
Art. no.: A5Q00013438
Protective cover FDMC295
Art. no.: A5Q00013440

Manual call point FDM226
Resettable and IP65, available in red

Manual call point with resettable plastic element incl. back box FDM226-RP
Art. no.: A5Q00013436
Manual call point with glass plate incl. back box FDM226-RG
Art. no.: A5Q00013435

Manual call point FDM224
IP44 or IP64, available in different colors

Electronic switching unit FDME224
Art. no.: A5Q00009392

Housing:
Housing red with glass and key FDMH293-R
Art. no.: A5Q00004023
Housing yellow with glass and key FDMH293-Y
Art. no.: A5Q00004908
Housing green with glass and key FDMH293-G
Art. no.: A5Q00004911
Housing blue with glass and key FDMH293-B
Art. no.: A5Q00004909

Accessories:
Protection seal DMZ1197-AD
Art. no.: BPZ:5470680001
Protective cover DMZ1197-AC
Art. no.: BPZ:5223550001
Locking plug M20 (1 hole)
Art. no.: A5Q00006735
Locking plug M20 (2 holes)
Art. no.: A5Q00010055

Manual call point FDM224H
Heavy Duty, IP44 or IP64, available in red

Electronic switching unit FDME224
Art. no.: A5Q00009392

Housing:
Housing red FDMH292-R
Art. no.: A5Q00005525

Accessories:
Protection seal DMZ1197-AD
Art. no.: BPZ:5470680001
Protective cover DMZ1197-AC
Art. no.: BPZ:5223550001
V-Plug
Art. no.: A5Q00008131

Manual call point FDM223
IP44 or IP64, with indirect alarm actuation, available in different colors

Electronic switching unit FDME223
Art. no.: A5Q00003087

Housing:
Housing red with glass and key FDMH293-R
Art. no.: A5Q00004023
Housing yellow with glass and key FDMH293-Y
Art. no.: A5Q00004908
Housing green with glass and key FDMH293-G
Art. no.: A5Q00004911
Housing blue with glass and key FDMH293-B
Art. no.: A5Q00004909

Accessories:
Protection seal DMZ1197-AD
Art. no.: BPZ:5470680001
Protective cover DMZ1197-AC
Art. no.: BPZ:5223550001

Manual call point FDM223H
Heavy Duty, IP44 or IP64, with indirect alarm actuation, available in red

Electronic switching unit FDME223
Art. no.: A5Q00003087

Housing:
Housing red FDMH292-R
Art. no.: A5Q00005525

Accessories:
Protection seal DMZ1197-AD
Art. no.: BPZ:5470680001
Protective cover DMZ1197-AC
Art. no.: BPZ:5223550001
V-Plug
Art. no.: A5Q00008131

Test equipment

Line tester FDUL221
Art. no.: A5Q00004397

Detector exchanger DX791
Art. no.: S54319-F6-A1

Detector tester RE6 for smoke detectors
Art. no.: BPZ:3680300001

Detector tester RE7T for heat detectors
Art. no.: S54370-S3-A1

Detector tester RE10 for linear smoke detectors
Art. no.: BPZ:3685190001

Test lamp StapexHF for flame detectors 'Ex'
Art. no.: BPZ:4620910001

Test lamp LE3 for flame detectors
Art. no.: BPZ:3695100001

Legend for the designation of fire detectors:

C-WEB	Network for linking the stations
C-NET	Network for linking Cerberus PRO devices
...xxx-9	connection to collective and conventional technology possible