Cerberus PRO – C-NET devices

Planning Tool

Answers for infrastructure.

SIEMENS

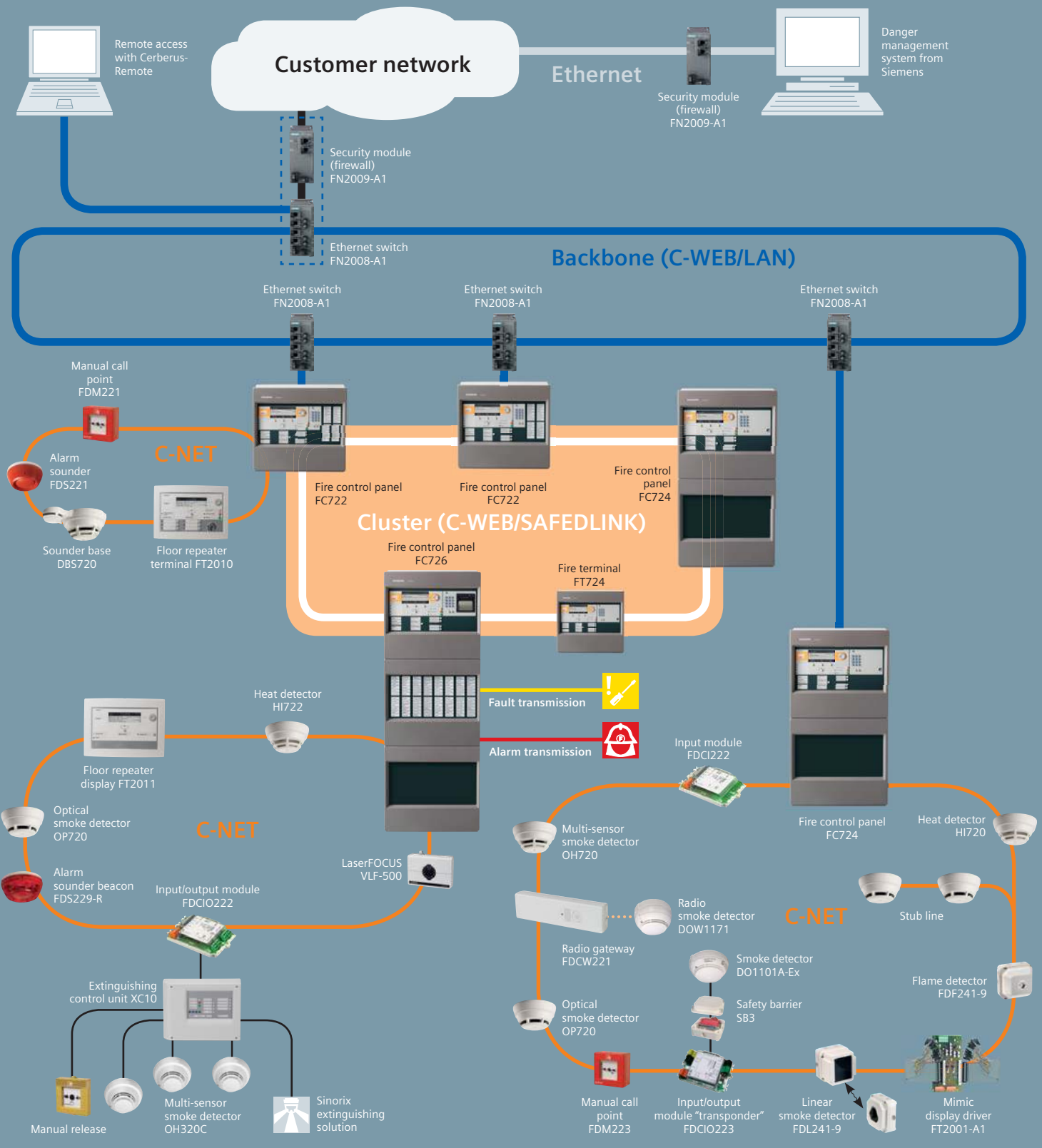
Panel overview

	FC721-ZZ/-YZ	FC722-ZZ/-YZ	FC722-ZA/-ZE	FC724-ZA/-ZE	FC726-ZA	FT724-ZZ
						
	Housing Eco	Housing Standard	Housing Comfort	Housing Comfort	Housing Large	Housing Eco
Mains voltage	AC 85... 265 V	AC 85... 265 V	AC 230 V	AC 230 V	AC 230 V	–
Power supply	70 W	70 W	150 W	150 W	150 W	option PSU 70 W
Operating voltage	DC 21... 28.6 V	DC 21... 28.6 V	DC 21... 28.4 V	DC 21... 28.4 V	DC 21... 28.4 V	DC 21... 28.4 V
Operating current	max. 2.5 A	max. 2.5 A	max. 5 A	max. 5 A	max. 5 A	125 mA
Battery capacity	2x12 V, 7 Ah	2x12 V, 7... 12 Ah	2x12 V, 26 Ah	2x12 V, 26 Ah	2x12 V, 45 Ah	option 2x12 V, 7 Ah
Emergency power supply	up to 72 h[1)]	up to 72 h[1)]	up to 72 h	up to 72 h	up to 72 h	up to 72 h
Connectable detector series	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	Cerberus PRO FD720 (C-NET)	–
Number of lines – Loops (with loop extension) – Stub lines – C-NET (4 per line card)	 1 2 –	 2 (4) 4 (8) –	 2 (4) 4 (8) –	 4 (8) 8 (16) –	 4 (8) 8 (16) max. 20	 – – –
Number of addresses	max.126	max. 252	max. 252	max. 504	max. 1,512	–
Networkable	–	✓	✓	✓	✓	✓
Integrated inputs/outputs – Relay outputs • RT alarm • RT fault – Monitored outputs • Alarm • Fault • Horn – Freely programmable inputs/outputs	 1 1 1 1 1 4	 1 1 1 1 1 8	 1 1 1 1 1 8	 1 1 1 1 2 12	 1 1 1 1 2 12	 – – – – – –
Operating unit	integrated	integrated	integrated	integrated	integrated	integrated
Display groups integrated, each with one red & yellow LED	–/up to 24	–/up to 24	–/up to 48	–/up to 48	–	–
Display groups optional, each with one red & yellow LED	Up to 96[2)]/–	Up to 96[2)]/–	Up to 96/up to 96	Up to 96/up to 96	Up to 96	Up to 96[2)]
Plug-in position for RS232, RS485 serial ports	1	2	2	2	2	2
Ethernet connection RJ45	1	1	1	1	1	1
Dimensions (WxHxD)	430x398x80 mm	430x398x160 mm	430x796x160 mm	430x796x160 mm	430x796x260 mm	430x398x80 mm
Approvals – CPD – VdS – LPCB	0786-CPD-20767 – pending	0786-CPD-20721 G209076 pending	0786-CPD-20721 G209076 pending	0786-CPD-20722 G209077 pending	pending pending pending	... G209078 pending

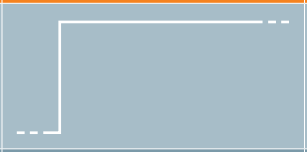
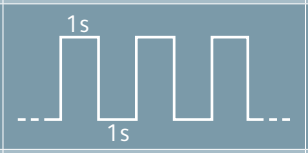
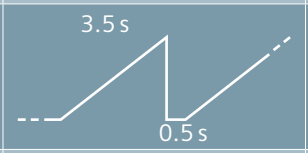
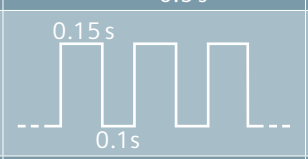
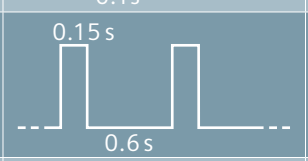
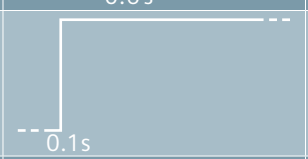
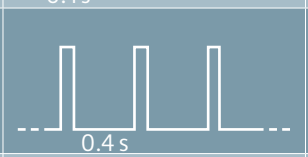
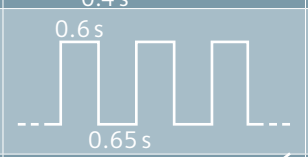
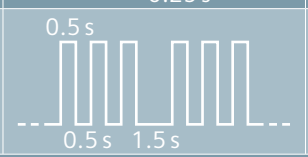
[1)] with additional housing and power supply
[2)] with extra housing

Cerberus PRO – enjoy protecting

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



Alarm sounder tones

No.	Tonality	Frequency pattern Sweep from – to	Pulse pattern	Adjustable FDS221 and FDS229 sound intensity level (typ. values in [dBA/1m]*)		Norm
				at 12 V	at 32 V	
1	Continuous	970 Hz		98 88 81	101 92 82	"evacuate" BS 5839 Part 1 1988
2	Intermittent	950 Hz		96 87 79	100 91 81	"alert" BS 5839 Part 1 1988
3	Sweep-down	1200 Hz – 500 Hz		96 87 79	100 91 80	DIN-Tone DIN33404 Part 3
4	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz		97 88 81	101 92 82	NEN2575 (Netherlands)
5	Pulse tone	500 Hz		94 85 75	97 88 75	Swedish Standard SS 03 17 11, No. 1 "Imminent Danger"
6	Intermittent	500 Hz		93 84 75	96 87 75	Swedish Standard SS 03 17 11, No. 6 "Local Warning"
7	Continuous	500 Hz		94 85 76	97 88 76	Swedish Standard SS 03 17 11, No. 4 "All clear"
8	Alternating	560 Hz 440 Hz		94 85 75	98 89 76	"French fire sound" NF S 32-001-1975
9	Intermittent	420 Hz		94 85 76	98 89 77	Australia "Alert" AS 2220 -1978
10	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz		96 89 81	100 93 82	Australia "Action" AS 2220 -1978
11	Intermittent	970 Hz		99 89 82	102 92 83	ISO 8201 US Temporal Tone LF

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

Point detectors overview

Multi-sensor smoke detector	Optical smoke detector	Heat detectors
		
OH720 Detects all types of fires early, whether they generate light, dark, or no smoke at all. – The optoelectronic sampling chamber keeps out extraneous light, resulting in reliable detection of both dark and light smoke particles – A thermal sensor enables fire detection in cases where no smoke has been generated – Combination of optical and thermal sensors optimizes detection reliability – Offers two parameter sets • Robust – for areas with deceptive phenomena • Sensitive – for areas with few misleading sources	**OP720** Detects slow burning fires that generate smoke. – The optoelectronic sampling chamber keeps out extraneous light, resulting in reliable detection of smoke particles – It has a sensor for optical forward scattering – Smoke particles are optimally recognized – Offers two parameter sets • Standard – for standard applications such as living rooms or offices • Sensitive – for areas with few misleading sources requiring fast detection	**HI720 & HI722** Respond when temperature exceeds a preset threshold value. In addition, the HI720 also responds if temperature increases rapidly. – Thermal sensor measures both ambient temperature as well as the temperature in the detector housing – HI720 offers two parameter sets • A2S – detects if threshold value has been exceeded • A2R – detects rapid increase in temperature – HI722 offers one parameter set: A2S

Special detectors overview

Aspirating smoke detection	Linear smoke detector	Radio fire detection
		
LaserFOCUS VLF-250/VLF-500 – Addressable – Easily mountable on any duct with a diameter of up to 280 cm – Air samples are continuously taken at danger spots and carried to ASD device – For highly ventilated rooms or in case of smoke dilution due to high air speed (e.g. ISO class 1 – 6 rooms)	**FDL241-9** – Addressable or collective – Distance metering unit ensures detection of barriers interrupting light beam – Flexible monitoring distance 5 – 100 m – For areas with limited access or large, high-ceilinged buildings	**FDCW221/DOW1171/DBW1171/ DOW1171** – Addressable – High-quality optoelectronic sensor system – Dynamic analysis of sensor signaling within detector – Can be combined with wired detectors in one system – Used for applications where only restricted use of cable or conduit is permitted

Special detectors overview

Ex detectors

DT1101A-Ex

– Collective
– For explosion-hazard area of zones 1 and 2 where rapid increase in temperature can be expected
– Measures ambient temperature with one NTC thermistor and detector housing temperature with another NTC thermistor

DO1101A-Ex

– Collective
– For early warning of smoke-forming flaming fires and smoldering fires in explosion-hazard area of zones 1 and 2
– High performance optoelectronic sensor system
– Penetrating smoke scatters light of infrared beam in detector

DF1101-Ex

– Collective
– Suitable for detecting smokeless liquid and gas fires as well as smoke-generating open fires of carbon-based materials
– One sensor measures hot carbon dioxide, two sensors simultaneously measure interference radiation

Flame detectors

FDF241-9

– Addressable or collective
– For most demanding applications
– Suitable for detecting smokeless liquid and gas fires as well as smoke-generating open fires of carbon-based materials
– One sensor measures hot carbon dioxide, two sensors simultaneously measure interference radiation

FDF221-9

– Addressable or collective
– For inside applications
– One infrared sensor with detection algorithms
– Used for simple applications
– Detection of smokeless combustible liquid and gas fires as well as smoke-forming open fire involving carbonaceous materials

Peripheral devices overview

Floor repeater terminal

FT2010

– Gives quick overview at floor level
– Displays relevant information in plain text on a backlit display (8 lines of 40 characters each)
– Alarm display with red LED
– Accessible via password or optional key switch
– Offers same main operating functions as control panel

Floor repeater display

FT2011

– Gives quick overview at floor level
– Displays relevant information in plain text on a backlit display (8 lines of 40 characters each)
– Alarm display with red LED

Manual call points

FDM221

– Standard MCP
– For surface- and recess-mounted feed lines
– Direct alarm actuation by pushing in glass plate

Peripheral devices overview

Manual call points

FDM223/FDM223H

- **FDM223:** Double-action MCP, VdS-conform, IP44 or IP64
- Suited for humid and dusty areas
- For surface- and recess-mounted feed lines
- **FDM223H:** Heavy-duty MCP, IP64
- Extremely robust housing
- Suited for humid and dusty areas
- For surface-mounted feed lines

FDM224/FDM224H

- **FDM224:** Suited for humid and dusty areas
- For surface- and recess-mounted feed lines
- **FDM224H:** Heavy-duty MCP, IP64
- Extremely robust housing
- Suited for humid and dusty areas
- For surface-mounted feed lines

FDM225

- Resettable MCP
- For indoor and outdoor application
- For surface- and recess-mounted feed lines
- With break glass or resettable plastic element
- Can be used for flush mounting

FDM226

- Resettable MCP, IP66
- For surface-mounted feed lines
- With break glass or resettable plastic element
- For indoor and outdoor applications

I/O modules

FDCI221

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

FDCI222

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

FDCIO221

- For the connection of 1 circuit of potential-free make-or-break contacts to allow indication of technical states (e.g. door or ventilation control) or alarm actuation (e.g. sprinkler alarm)
- For decentralized control of fire doors, ventilation, air conditioning, etc. Can be clean contact or by monitored circuit.
- Status indication by LED
- 1 input/1 output

FDCIO222

- For the connection of 4 independent, potential-free make-or-break contacts for message of technical states (e.g. door or ventilation control) or alarm actuation (e.g. sprinkler alarm)
- For decentralized control of fire doors, ventilation, air conditioning, etc.
- Status indication by LED
- 4 inputs/4 outputs

I/O modules

FDCIO223

- 2 selectable monitored inputs for connection of collective fire detectors
- For monitored controls of e.g. smoke dampers, alarm devices, door magnets, and extinguishing activation devices (adhere to country-specific instructions)
- Requires DC 24 V external PSU
- Status indication by LED

Sounders

FDS221

- For acoustic alarm signaling of up to 99 dBA
- Different volume and tone possible for preliminary and main alarm
- 11 different tones can be set (including “evacuation” according to DIN 33404-3)
- Only applicable with addressable detector base

FDS229

- For acoustic and optic alarm signaling
- 11 different tones can be set
- Acoustic alarm signaling of up to 99 dBA
- Light intensity up to 3.2 cd
- Has a fixed flashing sequence, flash mode adjustable

DBS720

- Detection and acoustic alarm signaling in one
- Independent of alarm signal from its associated detector
- Max. volume 88 dBA
- 11 selectable tones
- Compatible with all point detectors of Cerberus PRO

Cerberus PRO Planning Tool – C-NET devices

Answers for infrastructure.

SIEMENS

Cerberus PRO control panels

Fire control panel FC726

Fire control panel FC724

Fire control panel FC722

Cluster (C-WEB/SAFEDLINK)

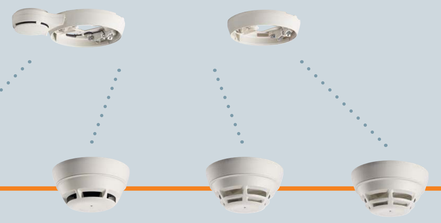
Fire control panel FC722

Cerberus PRO fire detectors

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

or

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

Flame detector base FDFB291
Art. no.: A5Q00003310

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

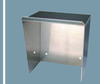
DA flame detector FDF221-9
– For inside applications
– One infrared sensor
Art. no.: A5Q00003902

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

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

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

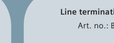
Detector tester RE7T for heat detectors
Art. no.: S54370-S3-A1

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:3669510001

Ex zone



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

Detector base DB1101A
Art. no.: BPZ:4863650001

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

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

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

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

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

Housing DCA1191
Art. no.: BPZ:4588560001

Installation set Z3I410
Art. no.: BPZ:4837660001

Shunt Zener diode barrier SB3
Art. no.: BPZ:4837400001

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

Conventional line

Conventional detectors
– Siemens standard collective SynoLINE600
– Conventional line SynoLINE300

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

Collective interface

+DC 24 V

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

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

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

Input/output module FDCIO221
– 1 monitored input
Relay outputs:
– 1 output
– Relay output DC 30 V/2 A rated
– Can be configured as monitored, but a separate DC 24 V power supply is required
Contact loading:
– AC 30 V/2 A
– DC 30 V/2 A
Art. no.: S54312-F2-A1

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

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

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

4 isolated control inputs

4 isolated control outputs

4 isolated control inputs

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

Alarm indicator (addressable) FDCAI221
Art. no.: S54370-F10-A1

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 IP66, 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
Accessories:
Protective cover FDMC295
Art. no.: A5Q00013440

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

Electronic switching unit FDME224
Art. no.: A5Q00009392
Housing with glass and key:
Housing red FDMH293-R
Art. no.: A5Q00004023
Housing yellow FDMH293-Y
Art. no.: A5Q00004908
Housing green FDMH293-G
Art. no.: A5Q00004911
Housing blue FDMH293-B
Art. no.: A5Q00004909
Housing orange FDMH293-O
Art. no.: S54311-F2-A1
Accessories:
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 hole)
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 with glass and key:
Housing red FDMH293-R
Art. no.: A5Q00004023
Housing yellow FDMH293-Y
Art. no.: A5Q00004908
Housing green FDMH293-G
Art. no.: A5Q00004911
Housing blue FDMH293-B
Art. no.: A5Q00004909
Housing orange FDMH293-O
Art. no.: S54311-F2-A1
Accessories:
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

Radio fire detection

Radio gateway FDCW221
The radio gateway FDCW221 enables to bidirectionally connect up to 30 battery-powered radio fire detectors to the C-NET. An SRD band is used and one frequency range exclusively for the security technology (868 – 870 MHz).
Art. no.: A5Q00020241

Radio network in SRD band

Base and smoke detector DOW1171
Incl. 2 lithium batteries 9 V
Art. no.: S24218-F62-A5

Lithium battery 3.6 V
Art. no.: V24069-Z112-A1

MCP base SMF6120
Art. no.: S24218-F72-A1

Manual call point SMF121
Art. no.: V24217-C1218-W200

Key
Art. no.: S24217-G34-A1

C-NET

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

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

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 DC 24 V feed possible
– 207x282x79 mm (HxWxD)
– Max. 8 FT2010/FT2011 per FC721/FC722
– Max. 16 FT2010/FT2011 per FC724

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

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

Multi-line separator module FDCL221-M
The multi-line separator has altogether nine integrated line separators with one individual addressing each and one LED indicator per separator. It can be connected to two separate C-NET loops.
Art. no.: S54312-F6-A1

Input/output module FDCIO222
Art. no.: A5Q00002369

Extinguishing panel standard XC1001-A
The XC10 combined extinguishing and detection panel can be fully integrated into all Cerberus PRO 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. For XC10 variants please see separate XC10 planning poster.
Art. no.: S54390-C1-A1

Legend for the designation of fire detectors:

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

Answers for infrastructure.

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– optimum comfort and highest energy efficiency in buildings,
– safety and security for people, processes, and assets,
– increased business productivity.

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