SIEMENS

Cerberus PRO – C-NET devices

Planning Tool

Answers for infrastructure.

www.siemens.com/cerberus

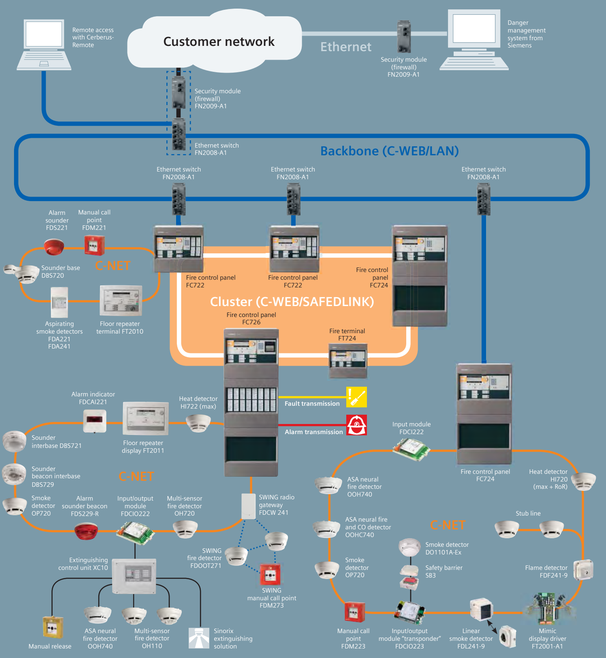
Panel overview

	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 Comfort	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 (72)[2]	 – – – – – –
Operating unit	integrated	integrated	integrated	integrated	integrated	integrated
Display groups integrated, each with one red and yellow LED	–/up to 24	–/up to 24	–/up to 48	–/up to 48	–	–
Display groups optional, each with one red and yellow LED	Up to 96[3]/–	Up to 96[3]/–	Up to 96/up to 96	Up to 96/up to 96	Up to 96	Up to 96[3]
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 – 126aw-(cl-2)	0786-CPD-20721 G209076 126aw-(cl-2)	0786-CPD-20721 G209076 126aw-(cl-2)	0786-CPD-20722 G209077 126aw-(cl-2)	0786-CPD-20983 G210084 126aw-(cl-2)	... G209078 126aw-(cl-2)

[1] with additional housing and power supply
[2] with additional input/output cards FCI2008-A1
[3] 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.



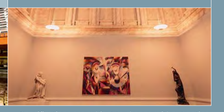
Alarm sounder tones

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	1 s / 1 s	96 87 79	100 91 81	"alert" BS 5839 Part 1 1988
3	Sweep-down	1200 Hz – 500 Hz	1 s	96 87 79	100 91 80	DIN-Tone DIN33404 Part 3
4	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz	3.5 s / 0.5 s	97 88 81	101 92 82	NEN2575 (Netherlands)
5	Pulse tone	500 Hz	0.15 s / 0.1 s	94 85 75	97 88 75	Swedish Standard SS 03 17 11, No. 1 "Imminent Danger"
6	Intermittent	500 Hz	0.15 s / 0.6 s	93 84 75	96 87 75	Swedish Standard SS 03 17 11, No. 6 "Local Warning"
7	Continuous	500 Hz	0.1 s	94 85 76	97 88 76	Swedish Standard SS 03 17 11, No. 4 "All clear"
8	Alternating	560 Hz 440 Hz	0.4 s	94 85 75	98 89 76	"French fire sound" NF S 32-001-1975
9	Intermittent	420 Hz	0.6 s / 0.65 s	94 85 76	98 89 77	Australia "Alert" AS 2220 -1978
10	Slow-whoop Sweep-up, linear	500 Hz – 1200 Hz	3.75 s / 0.25 s	96 89 81	100 93 82	Australia "Action" AS 2220 -1978
11	Intermittent	970 Hz	0.5 s / 0.5 s / 1.5 s	99 89 82	102 92 83	ISO 8201 US Temporal Tone LF

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

Samples for all alarm sounder tones are available on the Cerberus PRO Web site.

Robust or sensitive? The solution often lies somewhere in between.

High Suppression (PS8)	Suppression (PS5)	Suppression CO (PS12)	High Compensation (PS7)	Robust (PS2)	Balanced (PS4)	Balanced CO (PS10)	Fast Response (PS6)	High Sensitive Fast (PS9)
Sensitive – PS8 – Robust	Sensitive – PS5 – Robust	Sensitive – PS12 – Robust	Sensitive – PS7 – Robust	Sensitive – PS2 – Robust	Sensitive – PS4 – Robust	Sensitive – PS10 – Robust	Sensitive – PS6 – Robust	Sensitive – PS9 – Robust
Application area For operating conditions susceptible to heavy optical deceptive phenomena. Examples include dance floors in discotheques (deceptive phenomena: dry ice) or churches during special services (deceptive phenomena: frankincense). **Description** In this parameter set, the signal from the smoke sensor will not be allowed to create a fire alarm signal until a simultaneous increase in the thermal signal is also detected. In the event of dry ice, there is no temperature increase and the detector will not create an unwanted alarm. With a rise in temperature of only 8K (open fire), the optical sensors will be further analyzed and if the signal corresponds to a fire, an alarm will be triggered. In addition, the detector will also trigger an alarm as a rate of rise heat detector or if its static temperature limit is exceeded. **Expert advice** "High Suppression" has clear advantages over traditional concepts where smoke detection is turned off completely and replaced by thermal detection during events where dry ice is used. This parameter set allows much faster detection than switching to purely thermal detection. This enhances safety at critical times where visibility is reduced and large numbers of people are in attendance. Further options include the ability to switch between parameter sets so that a more sensitive detection mode can be used when no dry ice is likely. The detector complies with the norm EN 54-5 and in some jurisdictions heat detector spacing may be applicable.	**Application area** Difficult environments subject to heavy deceptive phenomena. Application examples include canteen kitchens or manufacturing areas with operational-related deceptive aerosols. **Description** Highly robust behavior, therefore very suitable for applications with deceptive phenomena such as steam, heavy cigarette smoke or exhaust gases. At the same time, the detector reacts with the ASA parameter set quickly and reliably in case of a real fire due to the dynamic influencing of the parameters.	**Application area** Difficult environments subject to heavy deceptive phenomena. Application examples include manufacturing areas with operational-related aerosols. Additional separate CO toxic gas detection and environmental monitoring. **Description** Highly robust behavior, therefore very suitable for applications with deceptive phenomena such as steam, cigarette smoke, etc. At the same time, the detector reacts with the ASA parameter set quickly and reliably in case of a real fire due to the dynamic influencing of the parameters. Sensitivity is also influenced by the CO concentration. Separate CO alarming and control for the detection of unhealthy or dangerous carbon monoxide buildup. Separate signaling of environmental thermal thresholds.	**Application area** Applications with deposits resulting from excessive dust or dirt over a long-time period. Here, optical detectors usually reach their limit quickly, resulting in a reduced operational lifetime. **Description** This parameter set is identical to the Robust setting except that the drift compensation is extended. This parameter set is therefore especially suited for rooms in which a lot of dust and other deposits can be expected to build up over a period of time. The detector maintains the set detector sensitivity and resistance to deceptive phenomena. The detector reacts quickly and reliably in case of a real fire.	**Application area** Difficult environmental conditions. Examples are event locations or underground garages with moderate deceptive phenomena and risks to individuals. **Description** Designed for robust behavior. This ASA parameter set is particularly suitable for applications with deceptive phenomena such as cigarette smoke, dust and exhaust gases. At the same time, the detector reacts very quickly and reliably in case of a real fire. Compared to the 'Suppression (PS5)' parameter set, the 'Robust (PS2)' parameter set may be used to improve detection speed on higher ceilings while still retaining sufficient resistance to false alarms.	**Application area** Standard applications. Rooms with moderate deceptive phenomena. **Description** For use in normal environments. This parameter set has a balanced response characteristic; sensitive in case of a fire but still tolerant of transient deceptive phenomena. Due to its distinct dynamic, the detector reacts quickly to open fires as well as smoldering fires. This ASA parameter set reacts robustly to deceptive phenomena such as cigarette smoke or small amounts of steam. **Additional information** This parameter set is often used when the system is set in unmanned mode (e.g. at night).	**Application area** Rooms where an increased CO concentration in the event of a fire is possible. Moderate deceptive phenomena. **Description** Using the three criteria: smoke, heat and CO the device is more sensitive to fires creating CO than the parameter set 'Balanced (PS4)' without the CO signal. The device is robust with deceptive phenomena such as cigarette smoke or a small amount of steam. This parameter also offers early alarming in the event of fires generating a large amount of CO, e.g. mattress fires.	**Application area** Rooms in which sensitive and quick detection is essential such as rooms with high ceilings, warehouses with flammable material (increased risk of fire) and application areas where the detectors trigger an extinguishing system. **Description** This parameter set reacts in a fast and highly sensitive manner. It is thus especially suited for rooms without deceptive phenomena, where the priority is on detecting fires as early as possible. **Expert advice** The high thermal influence from open fires transports the dark smoke particles that are typical for this kind of fire quickly to the ceiling. Due to the backward scattering and the 'Fast Response' setting, the detector is highly sensitive. This makes the detector a perfect replacement in situations where ionization detectors would normally have been considered optimal.	**Application area** Rooms in which an especially high sensitivity to smoldering and open fires is required. Examples include museums with high ceilings, clean production halls or applications where adequate life protection can only be ensured by the fastest possible detection. Due to special thermal algorithms, usage at low temperatures is also possible. **Description** This parameter set allows for the fastest possible detection for both open and smoldering fires. It is therefore intended for use in clean environments with no deceptive phenomena.
Complies with the norm EN 54-5	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7	Complies with the norm EN 54-5, EN 54-7
Application examples Multi-purpose halls, theater stages, churches, dance floors in discotheques	**Application examples** Canteen kitchens, production areas with operational-related deceptive phenomena	**Application examples** Production areas with operational-related deceptive phenomena	**Application examples** Paper mills, carpenters workshops, textile production, recycling plants	**Application examples** Event locations, conference rooms, smoking rooms, gastronomy, industry, production, underground garages	**Application examples** Offices, open-plan offices, hallways, hotel rooms, out of hours use in harsh environment areas	**Application examples** Same as for 'Balanced (PS4)', but with higher robustness against deceptive phenomena	**Application examples** High-ceilinged rooms, storage rooms/warehouses with flammable material, IT rooms and control of extinguishing systems	**Application examples** Hospital rooms, museums, operating rooms, cold storage, high-ceilinged rooms, when highly sensitive detection is of great importance
								

Specifications are subject to change without notice.

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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.

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Answers for infrastructure.

"We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure."

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the true answers.

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Cerberus PRO Planning Tool – C-NET devices

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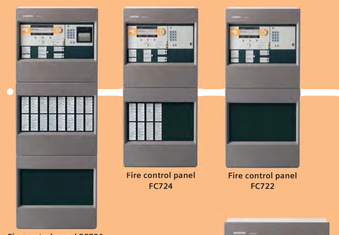
Cerberus PRO control panels



Fire control panel FC726

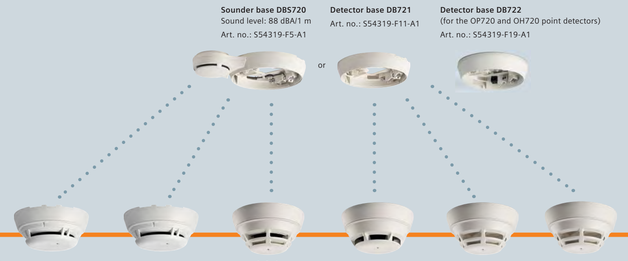
Fire control panel FC724

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

Detector base DB721
Art. no.: S54319-F11-A1

or

Detector base DB722
(for the OP720 and OH720 point detectors)
Art. no.: S54319-F19-A1

ASA neural fire detector OOH740
Two optical sensors, two heat sensors, seven parameter sets
Art. no.: S54320-F7-A3

ASA neural fire and CO detector OOHC740
Two optical sensors, two heat sensors, one carbon monoxide sensor, nine parameter sets
Art. no.: S54320-F8-A3

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

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

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

Heat detector HI720 (max + RoR)
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

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

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

Detector base DB1101A
Art. no.: BPZ:4863650001

Ex zone

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

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
Safety barrier SB3
Art. no.: BPZ:4837400001

Conventional line

Conventional detectors
– Siemens standard collective SynoLINE600
– Conventional line SynoLINE300

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
– Max. 50 FT2010/FT2011 per FC726

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 Tool.
Art. no.: S54390-C1-A1

Alarm indicator FDAI92
Art. no.: S54370-F3-A1
Additional frame AI330
Art. no.: BPZ:3169430001

Alarm indicator FDAI91
Art. no.: S54370-F9-A1

Alarm indicator FDAI93
Art. no.: S54370-F5-A1

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

Base attachment BA720
Art. no.: S54319-F20-A1

Mounting bracket MV1
Art. no.: BPZ:3950450001

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

Rain hood DFZ1190
Art. no.: BPZ:5302660001

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

Collective interface

up to 100 m

+DC 24 V

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

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

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

Aspirating smoke detectors
FDA221
Art. no.: S54333-F15-A1
FDA241
Art. no.: S54333-F17-A1

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

+DC 24 V

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:
– AC 250 V/4 A
– DC 30 V/4 A
Art. no.: A5Q00002369

4 isolated control inputs

4 isolated control outputs

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

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

4 isolated control inputs

Test equipment

Line tester FDUL221
Art. no.: A5Q00004397

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

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

Testifire 1001-045 ST test kit RE8ST
Art. no.: S54370-S23-A1

Testifire 2001-045 STCO test kit RE8STCO
Art. no.: S54370-S24-A1

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

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

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

Test lamp for flame detectors LE3
Art. no.: BPZ:3669510001

Alarm equipment (audible/visible)

Detector base DB721
Art. no.: S54319-F11-A1

Sounder base FDB221
Art. no.: A5Q00001664

or

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

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

Sounder interbase DBS721 (C-NET)
Art. no.: S54372-F13-A1

Sounder beacon interbase (C-NET) DBS729
Art. no.: S54372-F14-A1

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

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

BP720 Blanking plate
(only for DBS721 and DBS729)
Art. no.: S54372-812-A1

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.

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

Manual call point FDM226
Resettable and IP66, available in red.

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

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

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

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

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 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 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

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 holes)
Art. no.: A5Q00010055

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

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

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

SWING radio fire detection

Radio gateway FDCW241
The radio gateway FDCW241 enables to bidirectionally connect up to 30 battery-powered SWING radio devices.
Art. no.: S54370-F11-A1

SWING devices are communicating via multi-band (433/868 MHz) multi-hop mesh technology

Base FDB271
Art. no.: S54319-F12-A1

Radio neural fire detector FDOOT271
Art. no.: S54313-F1-A1

Battery BAT3.6-10
Art. no.: S54370-Z11-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 252 bus elements on one loop
– Cable lengths up to 3.3 km with up to 252 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

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 …xxx-9	Network for connecting Cerberus PRO devices Connection to collective and conventional technology possible