SIEMENS

SMARTER PROTECTION MATTERS

Cerberus PRO

C-Net devices

Planning Tool

Smart infrastructure intelligently connects energy systems, buildings and industries to adapt and evolve the way we live and work.

We work together with customers and partners to create an ecosystem that intuitively responds to the needs of people and helps customers to better use resources.

It helps our customers to thrive, communities to progress and supports sustainable development.

Creating environments that care.

siemens.com/smart-infrastructure

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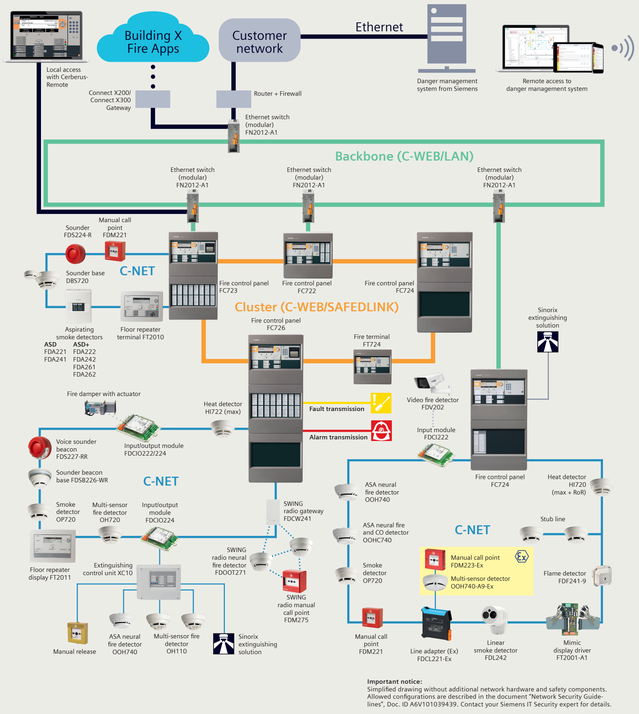
Cerberus PRO – Because smarter protection matters

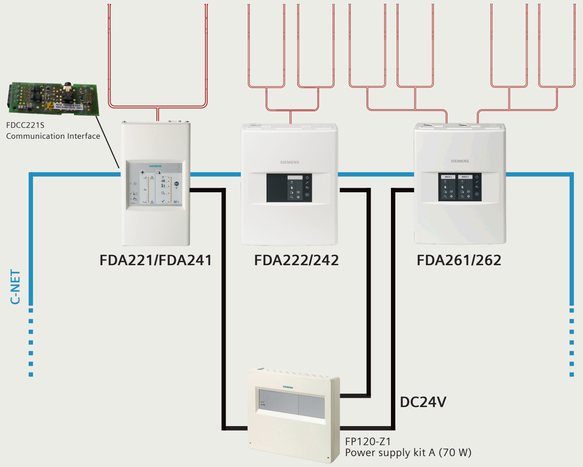
IoT-enabled fire control panels, clever fire detectors, smart peripheral devices:
Our products & solutions allow you to protect your building and its occupants all year-round, connect with it anytime from anywhere via the Building X Fire Apps, and sustain undisturbed places all day, every day for peace of mind.
The overview below demonstrated the most important components.



Important notice:
Simplified drawing without additional network hardware and safety components. Allowed configurations are described in the document "Network Security Guidelines", Doc. ID A6V101039439. Contact your Siemens IT Security expert for details.

Aspirating smoke detection

The aspirating smoke detector continually samples air from the monitored room using a connected pipe system with defined aspirating holes. The position and size of the aspirating holes are calculated with the "FXS2056 ASD Asyst tool V3" software. Commissioning for the ASD+ devices is done via ASD+ Connect mobile app.



	ASD FDA221	ASD FDA241	ASD+ FDA222	ASD+ FDA242	ASD+ FDA261	ASD+ FDA262
Pipe length (linear)	30 m	60 m	100 m	150 m	2x 150 m	2x 250 m
Pipe length (branched)	50 m	120 m	200 m	400 m	800 m	1200 m
Area coverage	500 m2	800 m2	1600 m2	3000 m2	3600 m2	6700 m2
No. pipe inlets & detection chambers	1	1	1	1	2	2
Detection range	0,20 – 20%/m	0,05 – 20%/m	0,004 – 20 %/m	0,003 – 20 %/m	0,004 – 20%/m	0,003 – 20%/m

Highlights for alarming

In the event of a fire it is essential to alert and evacuate people as fast as possible.
A wide product portfolio range offers alarm devices for acoustic and optical alarming.
All devices are loop powered and constantly monitored.

Sounder

The sounder creates an acoustic alarm signal in case of an event. All devices offers a broad range of tone patterns.
The acoustic perception is outstanding because all tones are synchronized.
– Certified for acoustic alarming according EN 54-3
– 3 different sound levels are selectable (minimum / medium / maximum)
– 16 integrated tone patterns

Voice

The devices with voice messages are able to play a precise voice instruction for different events in the building.
With help of a voice message, the evacuation process is faster and the building occupants receive clear instructions.
– Certified for acoustic alarming according EN 54-3.
A voice message can be emitted in one or two languages with an attention tone:

Languages (15 integrated, 2 customizable)
– English
– German
– French
– Italian
– Spanisch
– English UK
– Dutch
– Sweden
– Norwegian
– Finish
– Danish
– Polish
– Portuguese
– Turkish
– Russian
– Custom language 1
– Custom language 2

Message categories (5 predefined, 2 customizable)
– EVAC FIRE
– EVAC EMERGENCY
– ALERT
– TEST
– ALL-CLEAR
– Custom message 1
– Custom message 2

Customer-specific voice message
1. Order the service "Conversion of voice message FDSS227" to create a customer-specific audio library
2. Order customer-specific devices (...-C) with custom audio library ID

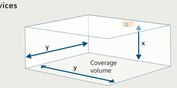
Example for Voice messages in English

– EVAC FIRE	Attention please, this is a fire alarm! Please leave the building immediately by the marked available exits.
– EVAC EMERGENCY	Attention please, this is an emergency. Please leave the building by the marked available exits.
– ALERT	Attention, an incident has been reported in the building, please await further instructions.
– TEST	This is a test message, no action is required.
– ALL-CLEAR	Attention please! All clear! The building alert has been resolved. All clear!

Beacon

Addressing two senses – an optical and an acoustical signal – speeds up the alert and evacuation process. We increase the awareness of the optical signal with a high flash intensity and a very short pulse length. The device has multiple options for brightness which can be adjusted according to the room size.
– Certified for optical alarming according EN 54-23
– Additional light intensity setting (supplementary optical indication) designed for system extensions or migration.

Wall devices

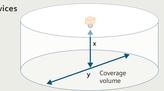


Category W – wall mounting

White LED		Red LED	
High:	W-3.2-10	High:	W-2.8-8.8
Mid:	W-2.4-7.5	Mid:	W-2.4-7.5
Low:	O-2-6.2	Low:	O-2-6.2

O = Open category:
Wall mounted, cubic coverage as category W

Ceiling devices



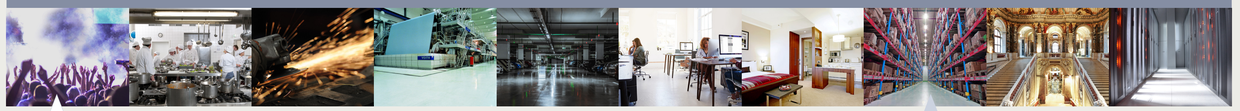
Category C – ceiling mounting

White LED		Red LED	
High:	O-4-15	High:	C-3-12
Mid:	C-3-12	Mid:	C-3-10
Low:	O-2.5-6.5	Low:	O-2.5-6.5

O = Open category:
Ceiling mounted, cylindrical coverage as category C

Robust or sensitive? Configuration depends on the application.

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)	Super Sensitive (PS11)
Robust ←									→ Sensitive
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).	**Application area** Difficult environments subject to heavy deceptive phenomena. Application examples include canteen kitchens or manufacturing areas with operational-related deceptive aerosols.	**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.	**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.	**Application area** Difficult environmental conditions. Examples are event locations or underground garages with moderate deceptive phenomena and risks to individuals.	**Application area** Standard applications. Rooms with moderate deceptive phenomena.	**Application area** Rooms where an increased CO concentration in the event of a fire is possible. Moderate deceptive phenomena.	**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.	**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.	**Application area** Applications in clean environments like data centers or clean rooms, where the fastest and most sensitive detection of smoldering and open fires is required to ensure business continuity.
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, carpenter's 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", but with increased sensitivity to smoldering fires creating CO gas	**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	**Application examples** Clean rooms, data centers, museums, hospital rooms, operating rooms, cold storage, high-ceilinged rooms, when highly sensitive detection is of great importance
Complies with the norm: -	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7, EN 54-29	Complies with the norm EN 54-7

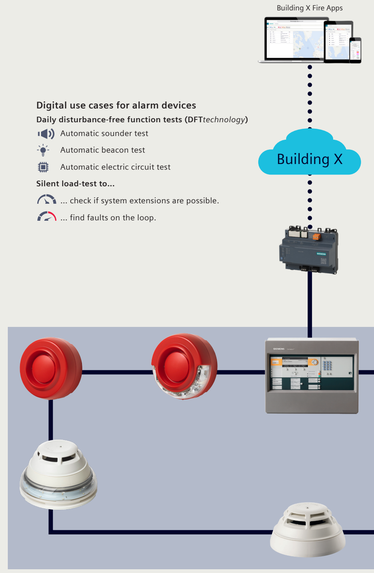


Expert advice
"High Suppression" has clear advantages over traditional concepts where smoke detection is turned off completely and replaced by thermal detection during events where dry ice is used. This parameter set allows much faster detection than switching to purely thermal detection. This enhances 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.

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 sensitive. This makes the detector a perfect replacement in situations where ionization detectors would normally have been considered optimal.

Detectors and alarm devices with digital features

Remotely monitor fire systems with Building X Fire Apps. Our alarm devices and detectors conduct 24/7 disturbance-free function tests (**DFT***technology*) without disturbing building occupants and without compromising the uptime of the system. Additionally, detector soiling level and danger level statistics are extracted to enable smart decision making and recommend actions to optimize the system.



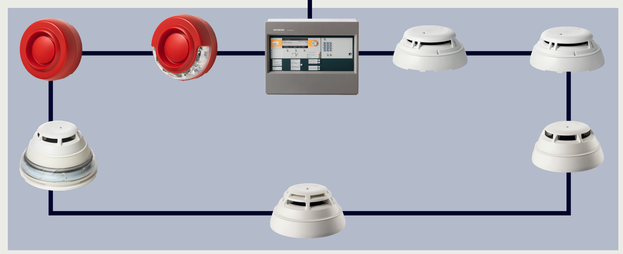
Digital use cases for alarm devices

Daily disturbance-free function tests (DFT*technology*)
- Automatic sounder test
- Automatic beacon test
- Automatic electric circuit test

Silent load-test to...
- ... check if system extensions are possible.
- ... find faults on the loop.

Digital use cases for detectors*

- Daily disturbance-free test (**DFT***technology*) of OOH740
  - Hardware components
  - Correct software operation
  - Communication to the fire control panel
- Detector soiling level monitoring of OOH740, OOHC740, OH720, OP720
- Danger level statistics for all automatic point detectors for data based parameter set optimization



Specifications are subject to change without notice.

*check availability with your local Siemens representative

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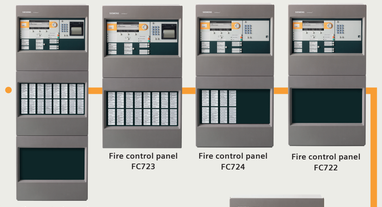
SIEMENS

Cerberus PRO Planning Tool C-NET devices

Cerberus PRO fire control panels



Fire control panel FC726

Fire control panel FC723

Fire control panel FC724

Fire control panel FC722

Cluster (C-WEB/SAFEDLINK)

Fire control panel FC722

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
- 282x207x79 mm (WxHxD)
- Max. 8 FT2010/FT2011 per FC721/FC722
- Max. 16 FT2010/FT2011 per FC724
- Max. 50 FT2010/FT2011 per FC726

Floor repeater terminal FT2010-A1
Order no.: A5Q00014104

Floor repeater display FT2011-A1
Order no.: A5Q00017706

Flat rear FHA2013-A1
Reduction of housing depth to 46 mm with FT2010/2011, when a flat installation is required with flush-mounted cabling.
Order no.: A5Q00016552

Mimic display driver FT2001-A1
Order no.: A5Q00014417

LED flat cable 24 LEDs F50F410
Order no.: BPZ:5291410001

Line separator FDCL221
Only required to separate 2 adjacent stubs
Order 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.
Order no.: S54312-F6-A1

Up to 9 stubs

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.
Order no.: S54390-C1-A1

Alarm indicator (addressable) FDCAI221
Order no.: S54370-F10-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 FDCI723, FDCIO223, LaserFOCUS, extinguishing control unit XC10, ASD FDA221, FDA241)
- Integrated turbo isolator in every loop participant

Detailed planning information

Detailed information for planning of the system are available in the planning document, Doc. ID A6V10210362.

Cerberus PRO fire detectors

DFT*technology*

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

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

Detector base DB721
Pure white, RAL 9010
Order no.: S54319-F11-A1
Jet black, RAL 9005
Order no.: S54319-F11-A2

or

Detector base DB722
Order no.: S54319-F19-A1

or

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

Multi-sensor fire detector OH720
Combined optical and thermal sensors, two parameter sets
Pure white, RAL 9010
Order no.: S54310-F2-A1
Jet black, RAL 9005
Order no.: S54310-F2-A2

Smoke detector OP720
Two parameter sets
Pure white, RAL 9010
Order no.: S54310-F1-A1
Jet black, RAL 9005
Order no.: S54310-F1-A2

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

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

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

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

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

Detector base accessories

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

Designation plate FDBZ291
Order no.: A5Q00002621

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

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

Base attachment wet BA721
Order no.: S54319-F29-A1

Detector heating FDBH291
Order no.: A5Q00004439

Protection cage DBZ1194
Order no.: BPZ:4677110001

Test equipment

Adapter FDUD491
Order no.: S54319-F18-A1

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

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

Testfire 1001-045 ST test kit RE8ST
Order no.: S54370-S23-A1

Testfire 2001-045 STCO test kit RE8STCO
Order no.: S54370-S24-A1

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

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

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

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

Line tester FDUL221
Order no.: A5Q00004397

Telescope rod FDMU291
Order no.: A5Q00004996

Scorpion controller SCORP 8000
Order no.: S54333-C91-A1

Scorpion ASD head unit SCORP 2001
Order no.: S54333-S90-A1

Alarm equipment for audible and visible alarming with DFT*technology*

Base (wall mounting) FDB226-R
Order. no.: S54364-B1-A1
Base (wall mounting) FDB226-W
Order. no.: S54364-B2-A1

Base deep (wall mounting, IP65) FDB227-R
Order. no.: S54364-B3-A1
Base deep (wall mounting, IP65) FDB227-W
Order. no.: S54364-B4-A1

Base (ceiling mounting) FDB228
Order. no.: S54364-B5-A1

Base deep (ceiling mounting) FDB229
Order. no.: S54364-B6-A1

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

Sounder FDS224-R
Housing red
Order. no.: S54364-F1-A1
Sounder FDS224-W
Housing white
Order. no.: S54364-F2-A1

Voice sounder FDS225-R
Housing red
Order. no.: S54364-F3-A1
Voice sounder FDS225-W
Housing white
Order. no.: S54364-F4-A1

Sounder beacon FDS226-RR
Housing red / LED red
O-2-6.2 / W-2.4-7.5 / W-2.8-8.8
Order. no.: S54364-F5-A1

Sounder beacon FDS226-RW
Housing red / LED white
O-2-6.2 / W-2.4-7.5 / W-3.2-10
Order. no.: S54364-F6-A1

Sounder beacon FDS226-WR
Housing white / LED red
O-2-6.2 / W-2.4-7.5 / W-2.8-8.8
Order. no.: S54364-F7-A1

Sounder beacon FDS226-WW
Housing white / LED white
O-2-6.2 / W-2.4-7.5 / W-3.2-10
Order. no.: S54364-F8-A1

Standard voice messages
Voice sounder beacon FDS227-RR
Housing red / LED red
O-2-6.2 / W-2.4-7.5 / W-2.8-8.8
Order. no.: S54364-F9-A1
Voice sounder beacon FDS227-RW
Housing red / LED white
O-2-6.2 / W-2.4-7.5 / W-3.2-10
Order. no.: S54364-F10-A1
Voice sounder beacon FDS227-WR
Housing white / LED red
O-2-6.2 / W-2.4-7.5 / W-2.8-8.8
Order. no.: S54364-F11-A1
Voice sounder beacon FDS227-WW
Housing white / LED white
O-2-6.2 / W-2.4-7.5 / W-3.2-10
Order. no.: S54364-F12-A1

Customized voice messages
Voice sounder beacon FDS227-RR-C
Housing red / LED red
O-2-6.2 / W-2.4-7.5 / W-2.8-8.8
Order. no.: S54364-F9-A2
Voice sounder beacon FDS227-RW-C
Housing red / LED white
O-2-6.2 / W-2.4-7.5 / W-3.2-10
Order. no.: S54364-F10-A2
Voice sounder beacon FDS227-WR-C
Housing white / LED red
O-2-6.2 / W-2.4-7.5 / W-2.8-8.8
Order. no.: S54364-F11-A2
Voice sounder beacon FDS227-WW-C
Housing white / LED white
O-2-6.2 / W-2.4-7.5 / W-3.2-10
Order. no.: S54364-F12-A2

Sounder beacon base FDSB226-WR
LED red
O-2.5-6.5 / C-3-10 / C-3-12
Order. no.: S54364-F13-A1
Sounder beacon base FDSB226-WW
LED white
O-2.5-6.5 / C-3-12 / O-4-15
Order. no.: S54364-F14-A1

Standard voice messages
Voice sounder beacon base FDSB227-WR
LED red
O-2.5-6.5 / C-3-10 / C-3-12
Order. no.: S54364-F15-A1
Voice sounder beacon base FDSB227-WW
LED white
O-2.5-6.5 / C-3-12 / O-4-15
Order. no.: S54364-F16-A1

Customized Voice Messages
Voice sounder beacon base FDSB227-WR-C
LED red
O-2.5-6.5 / C-3-10 / C-3-12
Order. no.: S54364-F15-A2
Voice sounder beacon base FDSB227-WW-C
LED white
O-2.5-6.5 / C-3-12 / O-4-15
Order. no.: S54364-F16-A2

Shared characteristics
- Up to 13 different tones, incl. "evacuate" as specified in DIN 33404-3
- Different volume and sound for prealarm and main alarm
- Without additional power supply
- Integrated line separator

Mounting example

Conversion of voice message FDSS227
Service to convert custom audio message text
Order. no.: L54364-Y1-A1

Legend for the designation of fire detectors:

Backbone (C-WEB/LAN)	Network for connecting clusters
Cluster (C-WEB/SAFEDLINK)	Network for connecting panels
C-NET	Network for connecting Cerberus PRO addressable devices
C-NET-Ex	Network for connecting Cerberus PRO addressable Ex devices

Cerberus PRO fire detectors

Flame detector base FDFB291
Order no.: A5Q00003310

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

Mounting bracket MV1
Order no.: BPZ:3950450001

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

Rain hood DFZ1190
Order no.: BPZ:5302660001

Rain hood (plastic) FDFZ241
Order no.: S54330-N4-A1

Linear beam smoke detector FDL242
Consists of linear beam smoke detector, detector base, control unit and one reflector.
Order no.: S54331-F10-A1

Detector heating unit FDLH242
Order no.: S54331-B20-A1

Protective cage FDLZ242
Order no.: S54331-B24-A1

Bracket (wall, white) FDLRA242-W
Order no.: S54331-B25-A1

Bracket (wall, black) FDLRA242-B
Order no.: S54331-B25-A2

Adapter plate FDLA242
Order no.: S54331-B29-A1

Alignment bracket (short distance) FDLRSM242
Order no.: S54331-B26-A1

Alignment bracket (long distance) FDLRLM242
Order no.: S54331-B27-A1

Siemens ASD (500 m², 1 chamber) FDA221
Order no.: S54333-F15-A1
Siemens ASD (800 m², 1 chamber) FDA241
Order no.: S54333-F17-A1

Siemens ASD+ (1600 m², 1 chamber) FDA222
Order no.: S54333-F105-A1
Siemens ASD+ (3000 m², 1 chamber) FDA242
Order no.: S54333-F106-A1
Siemens ASD+ (3600 m², 2 chamber) FDA261
Order no.: S54333-F101-A1
Siemens ASD+ (6700m², 2 chamber) FDA262
Order no.: S54333-F102-A1

The aspiration smoke detector portfolio use the dual wavelength technology for earliest alarming. The portfolio offers solutions for small to large – sized, business critical environments, up to 6700 m²

Accessory

Communication interface FDCC221S
Order no.: S24218-A201-A2

Accessories

Relay board FDAZ295
Order no.: S54333-B105-A1

Interface board FDAZ296
Order no.: S54333-B106-A1

Prism kit (long range) FDLRL242
Three additional reflectors to increase the range of the FDL242 to 120 m.
Order no.: S54331-S10-A1

Reflective prism FDLR242
For distances up to 50 meters.
Order no.: S54331-B21-A1

Prism plate (short distance) FDLRSA242
Prism plate to mount 1 prism
Order no.: S54331-B22-A1

Prism plate (long range) FDLRLA242
Prism plate to mount 4 prisms.
Order no.: S54331-B23-A1

Conventional

Double action DMA1103D
Protection category: IP54
Order no.: A5Q00004470

Single action DMA1104D
Protection category: IP54
Order no.: A5Q00005925

Infrared flame detector unit collective "Ex" DF1101-Ex
Order no.: BPZ:5166750001

DMA1192-AA
Order no.: BPZ:5222870001

Base for infrared flame detectors DF1191 DFB1190
Order no.: BPZ:5166750001

Multi-sensor detector OOH740-A9-Ex
Order no.: S54329-F8-A1

Safety barrier SB3
Order no.: BPZ:4837000001

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

Air sampling smoke detection kit FDK2290
Order no.: S54319-S32-A1

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

ASA neural fire detector OOH740
Order no.: S54320-F7-A3

FP120-Z1 Power supply kit A (70 W)
The standalone power supply converts the mains voltage to system voltage and charges the batteries.
Order no.: S54400-S122-A1

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

Addressable

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

Detector base addressable FDB221
Order no.: A5Q00001664

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

C-NET-Ex

Multi-sensor detector OOH740-A9-Ex
Order no.: S54329-F8-A1

Detector base flat, addressable FDB222
Order no.: S54319-F1-A1

Manual call point FDM223-Ex
Order no.: S54329-F5-A1

Ex zone

Line adapter (Ex)FDCL221-Ex
Order no.: S54329-F4-A1
Installation housing FDCH222
Order no.: S54329-F10-A1

FDCIO222
Order. no.: A5Q00002369

FDCIO224 (with VdS Extinguishing approval)
Order. no.: A5Q00018689

Fire damper with actuator

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

Video fire detector FDV202
Order no.: S54335-Z10-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)
– requires DC 24 V power supply unit
Order no.: S24218-B102-A1

Input/output module FDCIO221
– 1 monitored input
– 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
Order no.: S54312-F2-A1

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

Input/output module FDCIO222/224
– 4 monitored inputs
Relay outputs:
– 4 potential-free working/rest contacts
Contact loading:
– AC 250 V/4 A
– DC 30 V/4 A

4 isolated control inputs

4 isolated control outputs

4 isolated control inputs

2 inputs or 2 outputs

Conventional line

Conventional detectors

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 FDM231-RP
Standard, available in red.

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

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

Manual call point FDM224H
Heavy Duty, IP44 or IP64, with direct alarm actuation.

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

Manual call point FDM243H
Heavy Duty, IP66, with indirect alarm actuation.

Electronic switching unit FDME221
Order no.: A5Q00002451

Manual call point with resettable plastic element FDM225-RP
Order no.: A5Q00012020

Manual call point with resettable plastic element incl. back box FDM226-RP
Order no.: A5Q00013436

Manual call point complete FDM231-RP
Order no.: S54311-F11-A1

Manual call point complete
Order no.: S54311-F8-A1

Housings:

Housing red with key FDMH291-R
Order no.: A5Q00002217

Housing yellow with key FDMH291-Y
Order no.: A5Q00004979

Housing green with key FDMH291-G
Order no.: A5Q00004981

Housing blue with key FDMH291-B
Order no.: A5Q00004980

Accessories:

Protective cover FDMC291
Order no.: A5Q00001644

Accessories:

Back box FDMH295-R
Order no.: A5Q00013437

Back box with holes and grommet FDMH295-S
Order no.: A5Q00013438

Protective cover FDMC295
Order no.: A5Q00013440

Accessories:

Protective cover FDMC295
Order no.: A5Q00013440

Accessories:

Back box red FDMH231-S-R
Order no.: S54311-B12-A1

Screwed cable gland M20 x 1.5
Order no.: A5Q00004478

Back nut M20
Order no.: A5Q00004479

Electronic switching unit FDME224
Order no.: A5Q00009392

Housings with glass and key (FDM224 and FDM223):

Housing red FDMH293-R
Housing yellow FDMH293-Y
Housing green FDMH293-G
Housing blue FDMH293-B
Housing orange FDMH293-O
Housing red FDMH297-R
Order no.: A5Q00004023
Order no.: A5Q00004908
Order no.: A5Q00004911
Order no.: A5Q00004909
Order no.: S54311-F2-A1
Order no.: S54311-B7-A1

Accessories (for FDM224 and FDM223):

Protection seal DMZ1197-AD
Order no.: BPZ:5470680001

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Screwed cable gland M20 x 1.5
Order no.: A5Q00004478

Electronic switching unit FDME223
Order no.: A5Q00003087

Housings with glass and key (FDM224 and FDM223):

Housing red FDMH293-R
Housing yellow FDMH293-Y
Housing green FDMH293-G
Housing blue FDMH293-B
Housing orange FDMH293-O
Housing red FDMH297-R
Order no.: A5Q00004023
Order no.: A5Q00004908
Order no.: A5Q00004911
Order no.: A5Q00004909
Order no.: S54311-F2-A1
Order no.: S54311-B7-A1

Accessories (for FDM224 and FDM223):

Protection seal DMZ1197-AD
Order no.: BPZ:5470680001

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Screwed cable gland M20 x 1.5
Order no.: A5Q00004478

Locking plug M20 (1 hole)
Order no.: A5Q00006735

Electronic switching unit FDME224
Order no.: A5Q00009392

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

Accessories:

Protection seal DMZ1197-AD
Order no.: BPZ:5470680001

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Screwed cable gland M20 x 1.5
Order no.: A5Q00004478

Electronic switching unit FDME223
Order no.: A5Q00003087

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

Accessories:

Protection seal DMZ1197-AD
Order no.: BPZ:5470680001

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001

Screwed cable gland M20 x 1.5
Order no.: A5Q00004478

Electronic switching unit FDME223
Order no.: A5Q00003087

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

SWING radio fire detection

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

Housing red, with glass and key FDMH273-R
Order no.: S54323-B109-A1

Switching unit with indirect alarm actuation FDME273
Order no.: S54323-B108-A1

Protective cover DMZ1197-AC
Order no.: BPZ:5223550001