

Sinteso™/ Cerberus™ PRO/ Cerberus™ FIT

Multi line separator module

FDCL221-M



Multi line separator module, addressed (FDnet/C-NET)

- Automatic module with several separate line separators
- Formation of stub lines (T-branches) in the FDnet/C-NET
- Operation of the module in one or two loops
- Individual addressing of line separators for easy location identification
- Status indicator (LED) for each line separator
- Communication via FDnet/C-NET (addressed individually)
- Easy installation and connection of the stub lines
- Installation in intermediate distributor or fire control panel

Features

- Protected electronics
- Integrated alarm indicators (LEDs) for signaling the line separation

Eco-friendly

- Environmentally friendly processing
- Reusable materials
- Electronic parts and synthetic materials can be easily separated

Functions

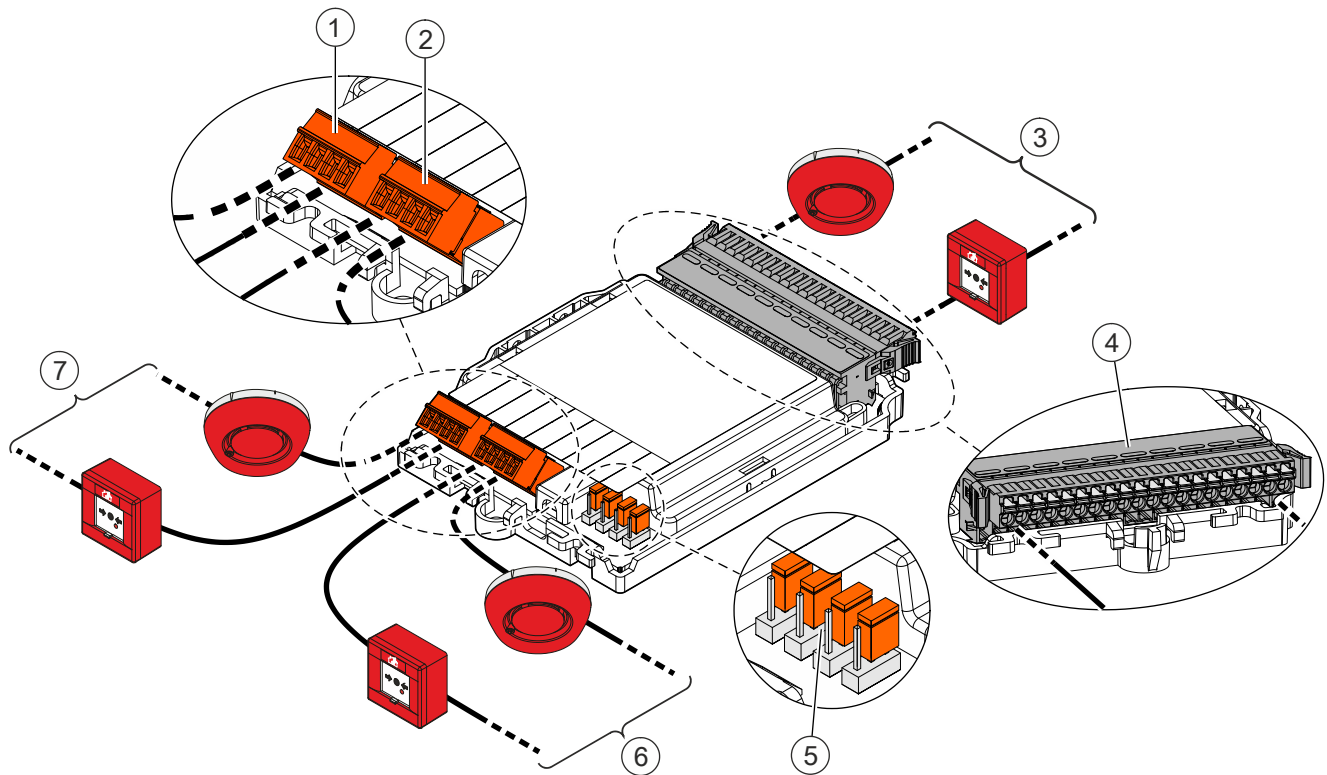
FDCL221-M multi line separator module

- Nine electronic switches (line separators)
- Connections for the detector lines (FDnet/C-NET)
- Connections for the stub lines (T-branches)
- Jumper for configuring the operation mode
 - 1 loop operation: Nine line separators in one FDnet/C-NET
 - 2-loop operation: Two FDnet/C-NET loops, four line separators in each
- Disconnects the affected bus area in the event of a short-circuit in the FDnet/C-NET so that the area unaffected by the short-circuit continues to function
- Yellow LEDs for the status indicator (line separation)



Observe national guidelines and regulations.

- Fields of application:
 - To ensure that several stub lines do not fail in the event of a short-circuit
 - Connection between two stubs on the FDnet/C-NET, if there is no other device between the branches
 - Connection to two separate FDnet/C-NET loops
 - Changing from existing collective systems to the addressed Sinteso and Cerberus PRO fire detection system



1	Screw terminal for FDnet/C-NET loop 1	5	Jumpers
2	Screw terminal for FDnet/C-NET loop 2	6	FDnet/C-NET loop 2
3	FDnet/C-NET stub lines	7	FDnet/C-NET loop 1
4	Connector (20-pin) for sub-stub lines		

Type Overview

Type	Designation	Order number	Weight [kg]
FDCL221-M	Multi line separator module	S54312-F6-A1	0.126

Accessories for the multi line separator module FDCL221-M

Type	Designation	Order number	Weight [kg]
TS35 (L = 122 mm)	U-rail TS35/7.5/122	BPZ:5644780001	0.041
TS35 (L = 288 mm)	U-rail TS35/7.5/288	BPZ:5644230001	0.098
FDCH221	Housing with cover, seal, and screws	S54312-F3-A1	0.282
–	Metal cable gland M20 x 1.5	A5Q00004478	0.036
–	M20 metal counter nut	A5Q00004479	0.006
DBZ1190-AB	0.5...2.5 mm ² (3-pin) connection terminal	BPZ:4942340001	0.001

Replacement material for the multi line separator module FDCL221-M

Type	Designation	Order number	Weight [kg]
FDCM291	Mounting foot	A5Q00003855	0.001

Document ID	Name
008164	Equipment overview Sinteso™ Detector system FD20
008331	List of compatibility (for 'Sinteso™' product line)
A6V10229261	List of compatibility (for 'Cerberus™ PRO' product line)
A6V10882301	List of compatibility (for 'FC360' product line)
A6V10224006	Technical manual Multi line separator module FDCL221-M
A6V10224008	Installation Multi line separator module FDCL221-M, Housing FDCH221

Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:

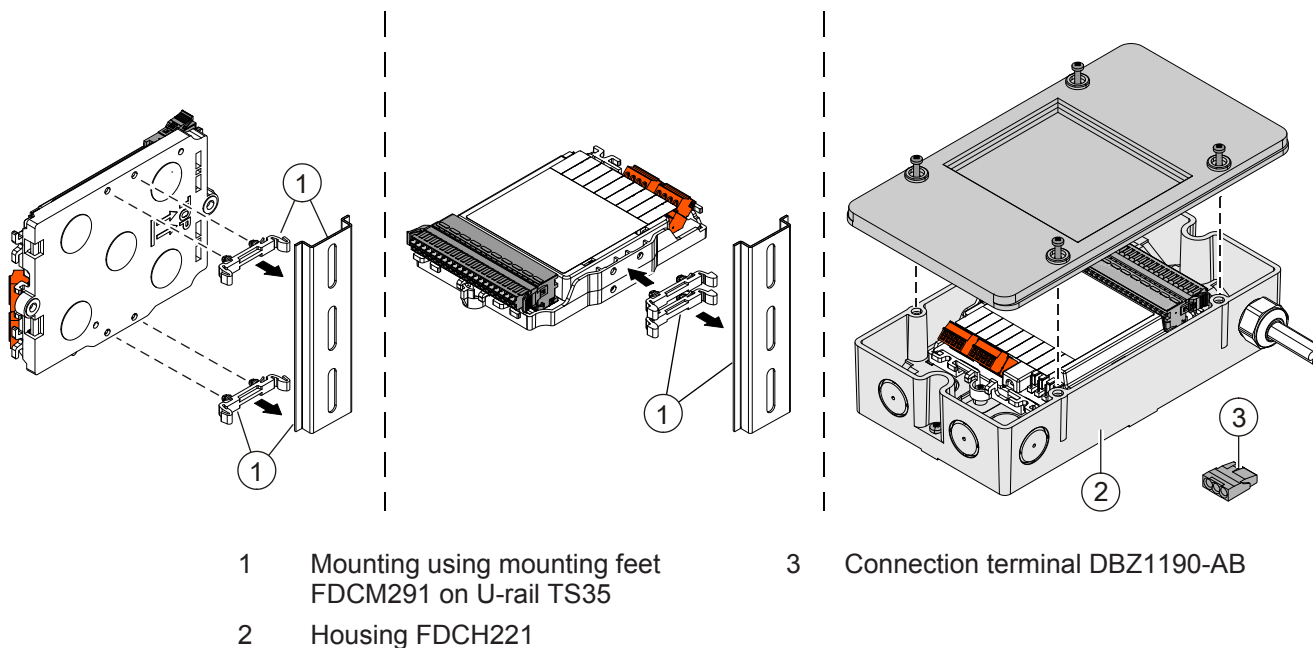
<http://siemens.com/bt/download>

Notes

Mounting

Mounting options

- Directly on a flat surface
- Directly on a U-rail TS35
- In housing FDCH221 (accessory) with cover, seal, and screws



Disposal



The device is considered an electronic device for disposal in accordance with European Directive and may not be disposed of as domestic waste.

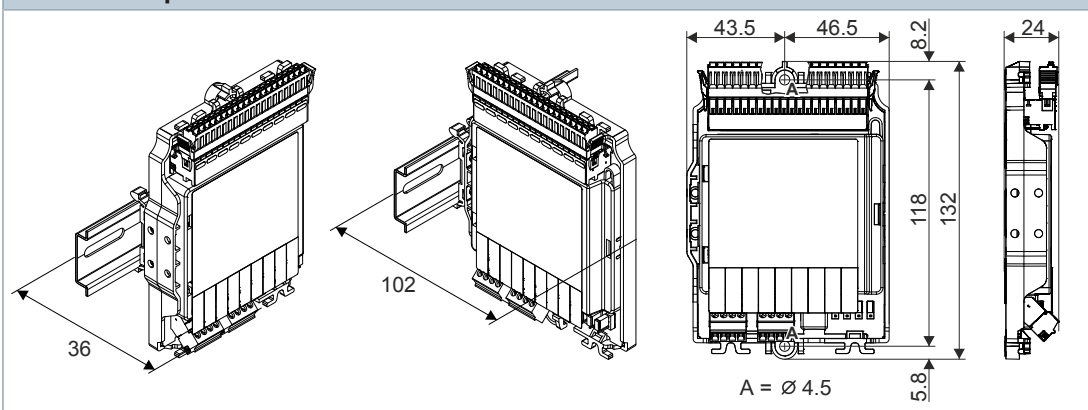
- Use only designated channels for disposing the devices.
- Comply with all local and currently applicable laws and regulations.

Technical data

	FDCL221-M
Operating voltage	DC 12...33 V
Operating current (quiescent) 1-loop operation 2-loop operation	2.25 mA (9x 250 µA) 2x 1 mA (4x 250 µA)
Operating temperature	-25...+70°C
Storage temperature	-30...+75°C
Air humidity, non-condensing	≤95 % rel.
Communication protocol	FDnet/C-NET
Colors: - Module carrier - Housing FDCH221 - Housing cover	~RAL 9010, pure white ~RAL 9010, pure white Transparent matt
Protection category (IEC 60529) - Without housing - With housing FDCH221, screwed	IP30 IP65
Standards	EN 54-17
Approvals - VdS - LPCB	G209162 531n/02
System compatibility - FDnet - C-NET	FS20, SIGMASYS, AlgoRex FS720, FC360

Dimensional drawings

Multi line separator module FDCL221-M



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