SIEMENS

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
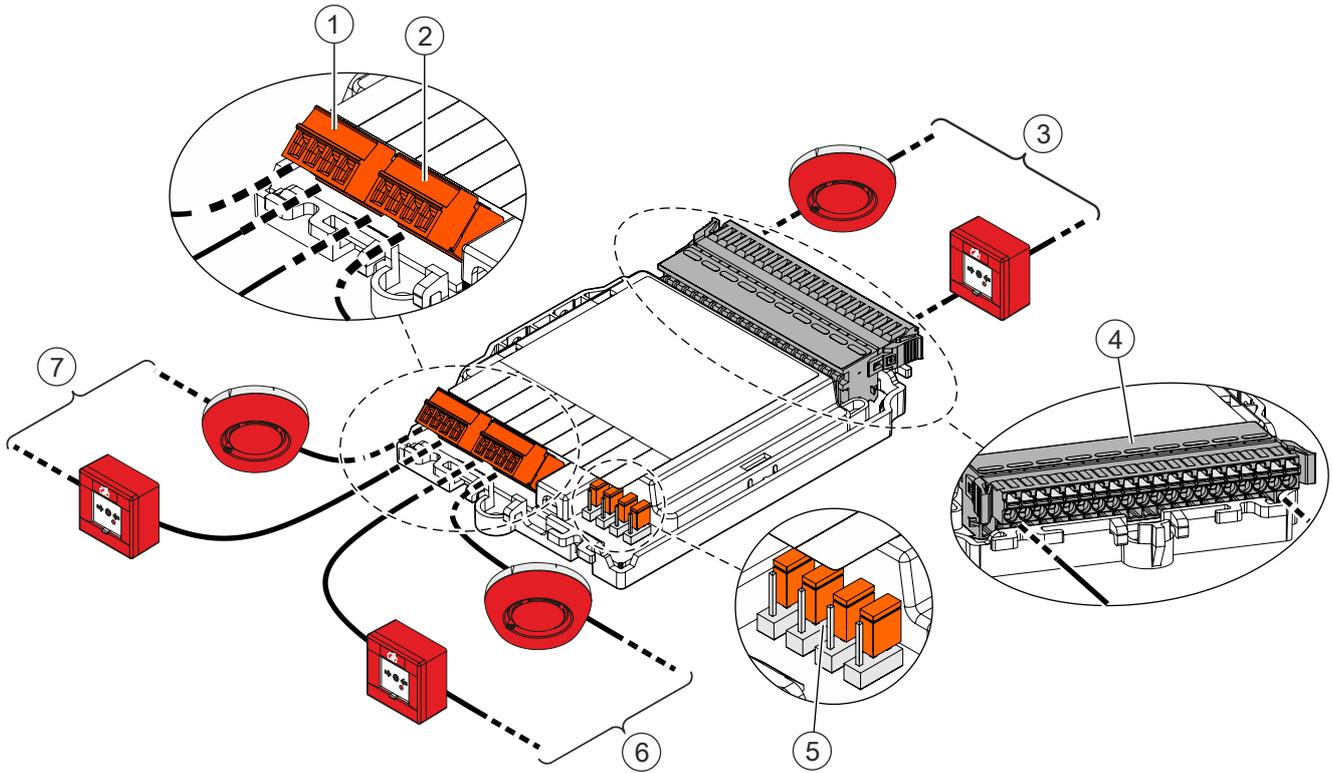
Functions

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)

| i | 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	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
–	M20 x 1.5 metal cable gland	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

Product documentation

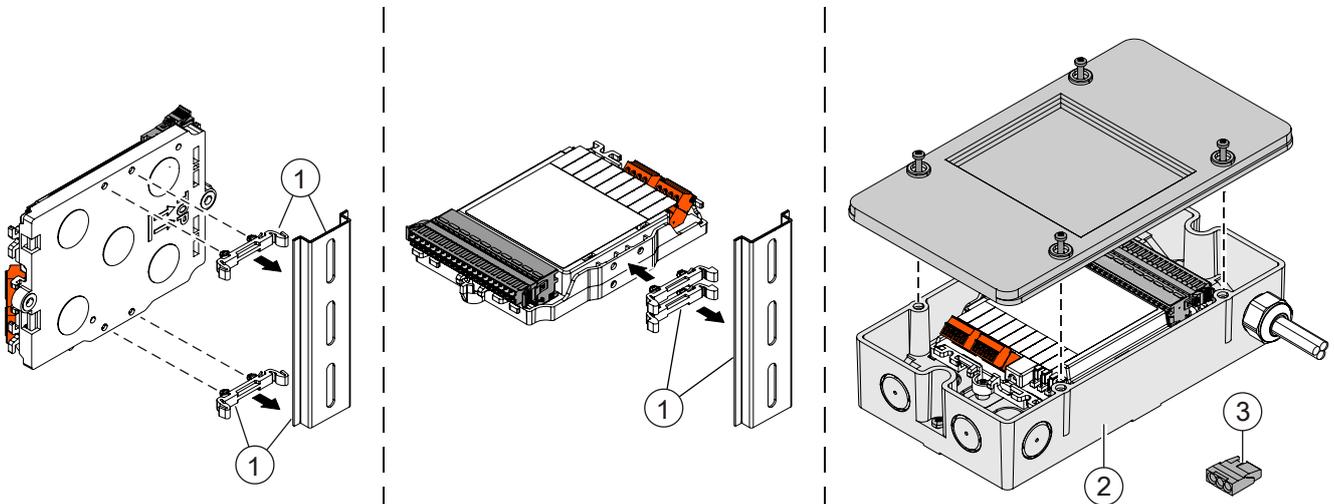| Document ID	Name
008164	Equipment overview Sinteso™ Detector system FD20
008331	List of compatibility (for 'Sinteso™' product line)
A6V10229261	List of compatibility (for 'Cerberus™ PRO' product line)
A6V10224006	Technical manual Multi line separator module FDCL221-M
A6V10224008	Installation Multi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

Mounting

Mounting options

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

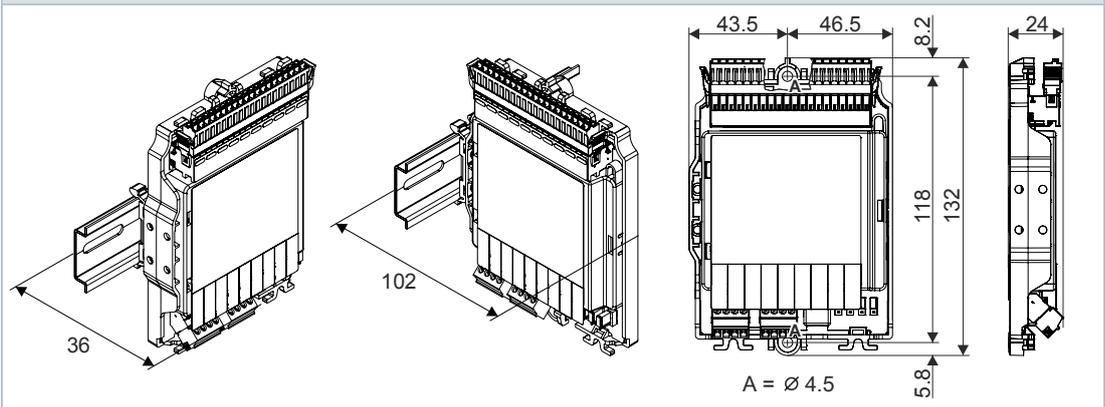|		
1	Mounting using mounting feet FDCM291 on U-rail TS35	3 Connection terminal DBZ1190-AB
2	Housing FDCH221	

Disposal

	The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage. • Dispose of the device through channels provided for this purpose. • 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 FS720

Multi line separator module FDCL221-M

43.5 46.5 8.2 24

102

118 132

36

A = Ø 4.5

5.8

09 CE 0786	**FDCL221-M**	Siemens Schweiz AG; Theilerstrasse 1a CH-6300 Zug Technical data: see doc. **A6V10224006**
FDCL221-M - Short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.		
305/2011/EU (CPR): EN 54-17 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581		
The declared performance and conformity can be seen in the Declaration of Performance (DoP) and the EU Declaration of Conformity (DoC), which is obtainable via the Customer Support Center: Tel. +49 89 9221-8000 or https://siemens.com/bt/download		
DoP No.: 0786-CPR-20847; DoC No.: CED-FDCL221-M		