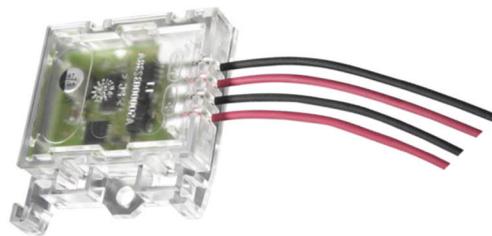


Sinteso™ Cerberus™ PRO

FDCL221

Line separator



Line separator, addressed (FDnet/C-NET)

- Automatic line separator
- Formation of T-branches in the FDnet/C-NET
- Status indicator with LED
- Communication via FDnet/C-NET (addressed individually)
- Installation in intermediate distributor or fire control panels

Features

- Protected electronics
- Integrated alarm indicator for signaling the line separation

Eco-friendly

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

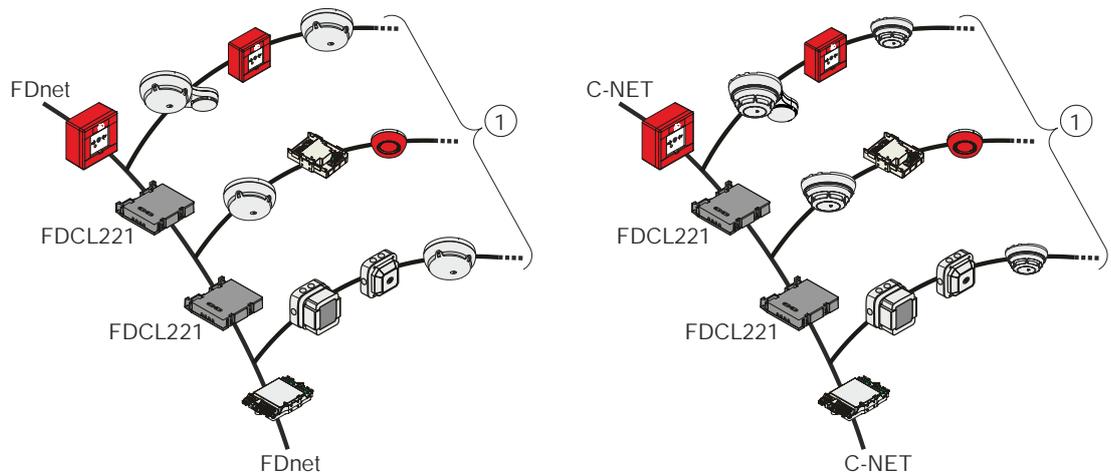
Functions

- 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.
- The line separator has 2x two screw terminals for the detector line.
- The status of the line separator is indicated by a yellow LED.



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
 - Changing from existing collective systems to addressable Sinteso and Cerberus PRO fire detection systems



1 Stub lines as T-branches on the FDnet or C-NET

Type Overview

| Type | Designation | Order number | Weight [kg] |
|---------|--|--------------|-------------|
| FDCL221 | Input module incl. 8 resistors, 2 mounting feet | A5Q00004011 | 0.038 |

Accessories for the line separator FDCL221

| 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 |

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) |
| 007063 | Technical manual Line separator FDCL221 |
| 008025 | Installation Line separator FDCL221 |

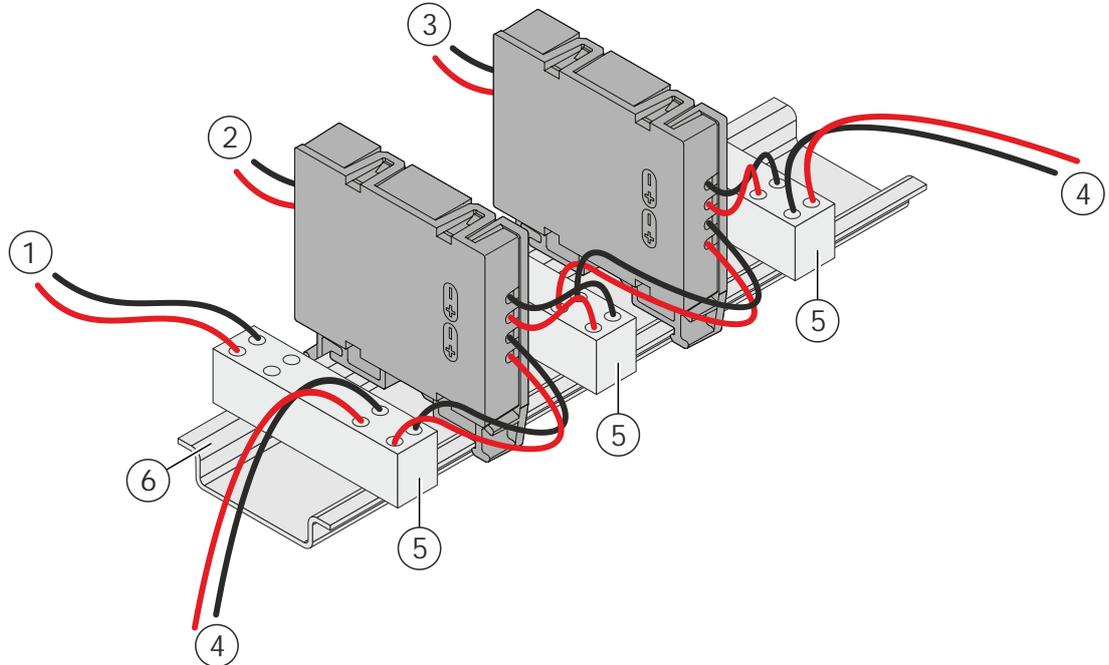
Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:

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

Mounting

Mounting options

- Directly on a U-rail TS35
- With a cable tie on the mounting hole
- With a screw on the mounting hole



1 Stub line 1

2 Stub line 2

3 Stub line 3

4 FDnet/C-NET detector line

5 At least 3 sets of terminal blocks

6 U-rail TS35

Disposal



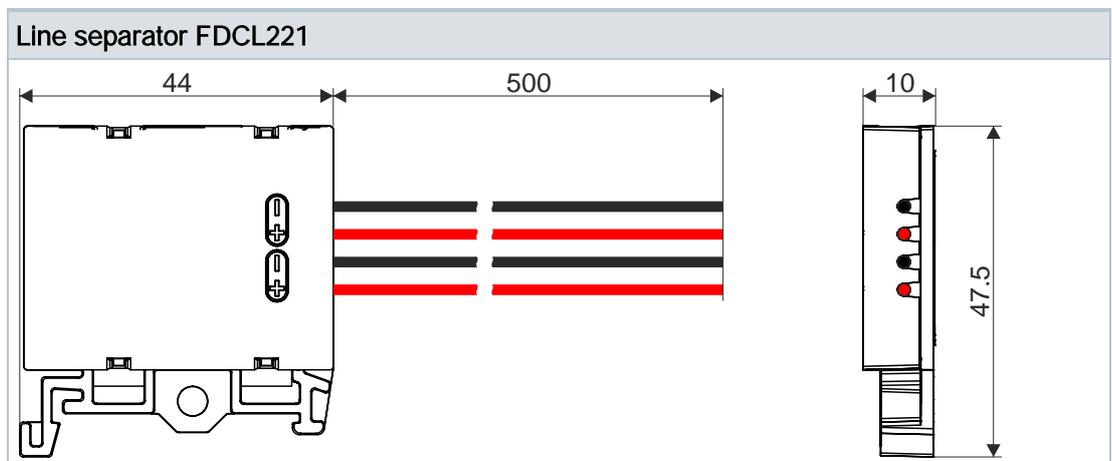
The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.

- Dispose of the device through channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.

Technical data

| | FDCL221 |
|--|------------------|
| Operating voltage | DC 12...33 V |
| Operating current (quiescent) | 250 μ A |
| Operating temperature | -25...+70 °C |
| Operating temperature tested according to EN 54-17 | -10...+55 °C |
| Storage temperature | -30...+80 °C |
| Air humidity, non-condensing | \leq 95 % rel. |
| Communication protocol | FDnet/C-NET |
| Color | Transparent matt |
| Protection category (IEC 60529) | IP44 |
| Standards | EN 54-17 |
| Approvals | |
| • VdS | G204030 |
| • LPCB | 531n/01 |
| • FM | 3029351 |
| System compatibility | |
| • FDnet | FS20 |
| • C-NET | FS720 |

Dimensional drawings



| | | |
|---|----------------|--|
| 08  0786 | FDCL221 | Siemens Schweiz AG; Theilerstrasse 1a CH-6300 Zug Technical data: see doc. 007063 |
| FDCL221- 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-20449; DoC No.: CED-FDCL221 | | |

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