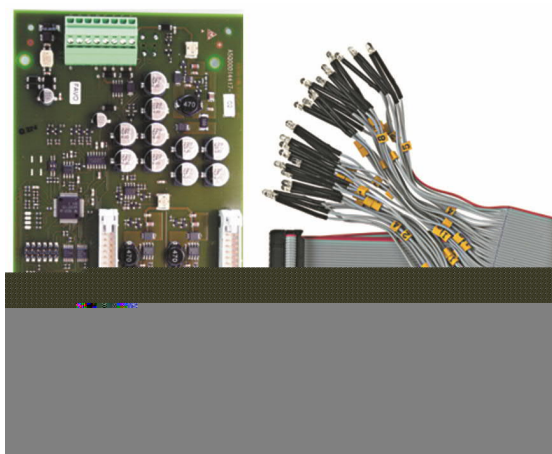# SIEMENS

Sinteso™ / Cerberus™ PRO
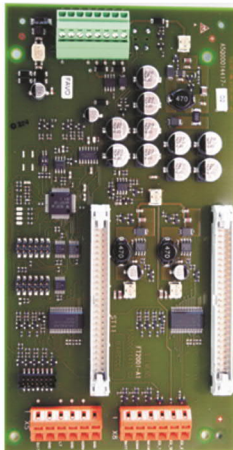
Mimic display driver, LED ribbon cable

FT2001-A1, F50F410

FDnet/C-NET mimic display driver and LED ribbon cable for the fire detection systems Sinteso™ FS20 and Cerberus™ PRO FS720.
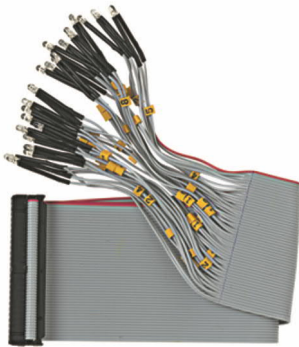
- Mimic display driver for a total of 48 LED indicators (without housing)
- 2 LED ribbon cables F50F410 with 24 red LEDs can be connected
- 2 control outputs for local buzzer and LED operating status display
- 2 inputs for the 'Silence buzzer' and 'LED test' function buttons
- Mimic display driver can be connected via FDnet/C-NET
- Installation in customer housing

FT2001 mimic display driver

Can be connected via FDnet/C-NET
Power supply via FDnet/C-NET
Outputs are freely programmable
2x 24 outputs for controlling LEDs on mimic displays
3 outputs for expanded periphery
2 control outputs for local buzzer and LED operating status display
2 inputs for the 'Silence buzzer' and 'LED test' function buttons
Integrated line separator
External, electrically isolated AC/DC supply possible
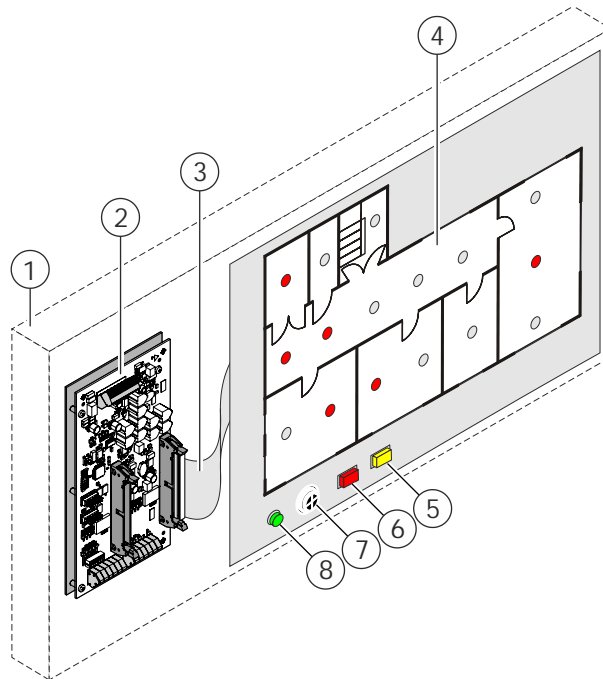MC link connection socket for firmware update

F50F410 LED ribbon cable*

For connection to the mimic display driver FT2001-A1
50-pin
24 red LEDs
1 m long
* must be ordered separately

Use

The mimic display driver FT2001 is mounted on a carrier plate and is designed for installation in any customer housing. The LED ribbon cable F50F140 allows the LEDs to be connected to the mimic display driver and for the LEDs to be positioned anywhere on the front panel in accordance with the building plan.

Example of use

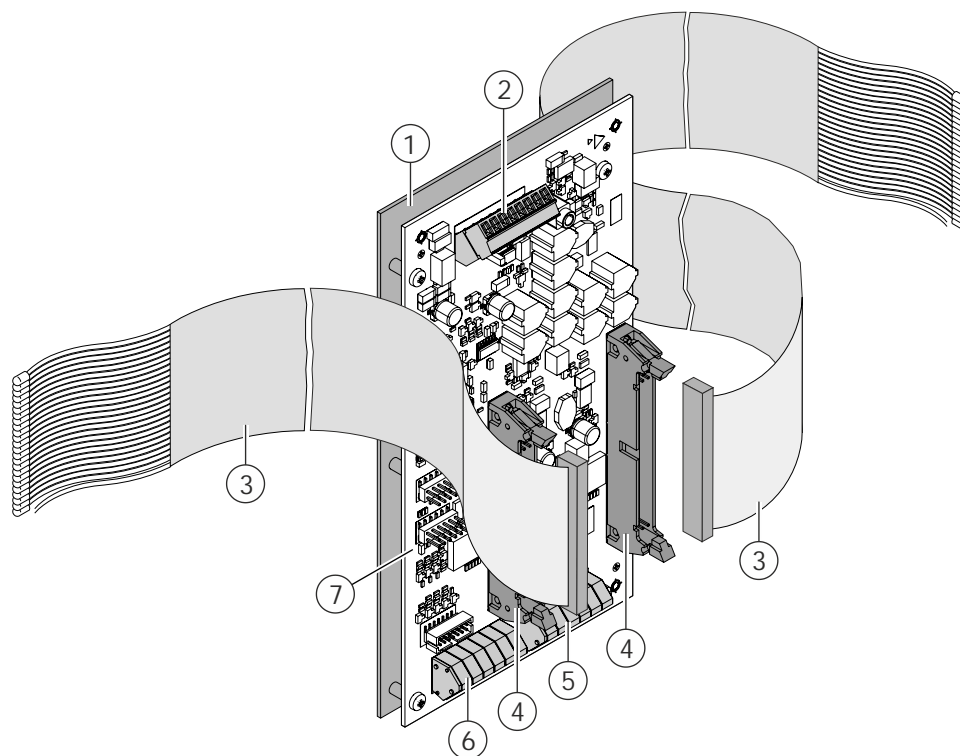| 1	Customer housing
2	Mimic display driver FT2001-A1
3	LED ribbon cable F50F410
4	Customer mimic display
5	'LED test' button
6	'Silence buzzer' button
7	Local buzzer
8	LED indicator: Operating status

Setup

Mimic display driver FT2001

1	Mounting plate with mounting holes and spacer bolts
2	Connection for FDnet/C-NET and separate supply
3	LED ribbon cable 'F50F410', 50-pin with 24 red LEDs, 1 m
4	Connector for the connection of 2 x LED ribbon cables F50F410
5	Connection terminal for supply and operating status LED
6	Connection terminal for expanded periphery
7	Mimic display driver FT2001-A1

Details for ordering

Type	Designation	Weight	Order number
FT2001-A1	Mimic display driver	0.232 kg	A5Q00014417
F50F140	Ribbon cable for mimic display driver FT2001-A1	0.108 kg	BPZ 5291410001

Product documentation

Document ID	Title
008836	FS20 Fire Detection System - System Desription
008837	FS20 Fire detection system - Product Data
008838	Operation Manual Fire control panel / Fire terminal FC20xx / FT2040
008843	FS20 Fire detection system - Planning
009052	FS20 Fire detection system - Commissioning, Maintenance, Troubleshooting
009078	FS20 Fire detection system - Configuration
A6V10210355	FS720 Fire detection system - System Description
A6V10210362	FS720 Fire detection system - Planning
A6V10210368	FS720 Fire detection system - Product Data
A6V10210416	FS720 Fire detection system - Commissioning, Maintenance, Troubleshooting
A6V10210424	FS720 Fire detection system - Configuration
A6V10211076	Operation Manual Fire control panel / Fire terminal FC72x / FT724

Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:
https://siemens.com/bt/download

Notes

Disalposal

	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.

FT2001-A1	
FDnet/C-NET	
Operating voltage	DC 16…33 V
Max. operating current	45 mA
Max. quiescent current	5 mA
Max. capacitive load to ground	C = 500 nF
Max. capacitive load to ground with external supply	C = 100 nF
Supply	
External supply input	
DC	14…32 V, electrically isolated, EN54-4 conformity not required
AC	11…22 V, electrically isolated, EN54-4 conformity not required
Key figures	
Address connection factor	AK = 1
Quiescent current connection factor	RK = 16
Maximum current connection factor:	

Without external supply:
    – With 24 LEDs
    – With 36 LEDs
    – With 48 LEDs
	
	MK = 52…80
	MK = 68…130
	MK = 80…165

With external supply	MK = max. 16
Outputs	
Operation LED (X8; 'LED_1')	
Max. output current	2.5 mA constant at Usys (12 … 32 V)
Driver outputs (X11/X12)	
Max. output current with LED operation	2.5 mA and DC 2.5 V
Buzzer (X5/5.6)	
Max. output current	5 mA and DC 12 V
Connections	
LED signal outputs	Plug-type connection with flat-ribbon cable
Connection terminal	0.08…1.5 mm²
Ambient conditions	
Operating temperature	0…40 °C
Storage temperature	-20…+60 °C
Air humidity	95 % rel.

FT2001-A1	
Mechanical data	
Dimensions (W x H x D)	106 x 200 x 45 mm
Min. protection category (IEC 60529) of the housing (provided by the customer)	IP30
Standards and approvals	
Standards	EN 54-17, EN 54-18
Approvals:	
VdS	G208044
LPCB	126bp/01
DNV GL (marine)	Sinteso™: See document A6V10400920 Cerberus™ PRO: See document A6V10339425

08 C€ 0786	**FT2001-A1**	Siemens Schweiz AG; Theilerstrasse 1a CH-6300 Zug Technical data: see doc. **008837, A6V10210368**
FT2001 - Input/output device incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.		
305/2011/EU (CPR): EN 54-17 / EN 54-18 ; 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-20378; DoC No.: CED-FT2001		

Mimic display driver FT2001-A1