SIEMENS

Sinteso™/ Cerberus™ PRO

Manual call point

FDM233, FDM234

Manual call point for modernizing addressed systems

- For the modernization of SIGMACON- and SIGMALOOP manual call points for industrial applications
- Manual call points for addressed Sinteso FS20 and Cerberus PRO FS720 fire detection systems
- Manual call points FDM233 with indirect activation and FDM234 with direct activation
- Two-wire installation for all cable types
- Communication via FDnet/C-NET (addressed individually)

Properties

Features
- For the immediate manual activation of a fire alarm
- Protected electronics
- Built-in alarm indicator (LED)
- Integrated line separator
- Two-color LED for alarm and test

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

Use
- For indoor and outdoor applications
- Also for humid, wet, and dusty areas
- For surface-mounted and recess-mounted feed lines in easily accessible locations

Functions

Manual call point FDM233
- Indirect alarm activation by smashing the glass insert and pressing the alarm button
- Open the door with the key to replace the glass insert. Reset the alarm button before closing the door.

Manual call point FDM234
- Direct alarm activation by smashing the glass insert
- Open the door with the key to replace the glass insert. The alarm button is reset when the door is closed.

FDM233

Type	Designation	Order number	Weight [kg]
FDM233 Complete	Red housing, glass, key, switching unit, red	S54311-F9-A1	0.301
FDMH294-R	Red housing, with glass and key	S54311-B3-A1	0.100
FDME233	Switching unit for FDM233	S54311-B5-A1	0.106

FDM234

Type	Designation	Order number	Weight [kg]
FDMH294-R	Red housing, with glass and key	S54311-B3-A1	0.100
FDME234	Switching unit for FDM234	S54311-B4-A1	0.067

Spare parts for FDM233, FDM234			
	Glass insert	S24217-G41-A1	0.014
FDMK294	Key	S24217-G34-A1	0.002

Product documentation

Document ID	Title
008164	Equipment overview Sinteso™ Detector system FD20
008331	List of compatibility (for 'Sinteso™' product line)
A6V10229261	List of compatibility (for 'Cerberus™ PRO' product line)
A6V10374017	Technical manual Manual call points FDM233, FDM234

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

https://siemens.com/bt/download

Mounting

- Installation with recess-mounted feed lines
  - Break open the openings in the back box
- Installation with surface-mounted feed lines
  - Use the openings for cable glands at the top and bottom

The switching unit can be used immediately after the feed line has been connected; this enables lines to be tested quickly with the line tester FDUL221.
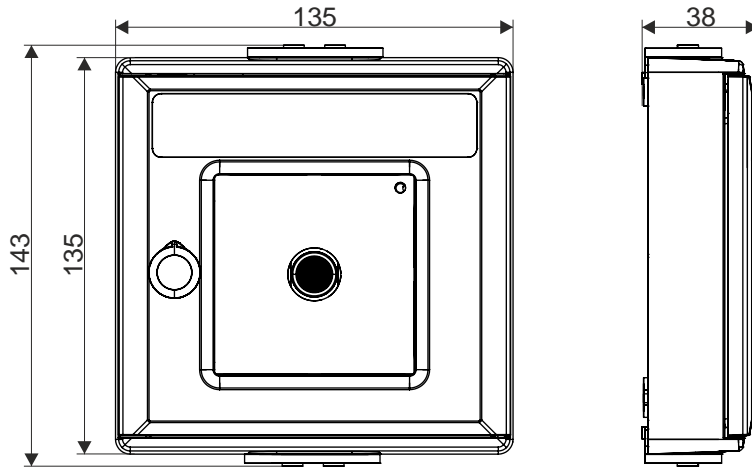
Disposal

	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

	FDM233	FDM234
Operating voltage	DC 12…33 V	
Operating current (quiescent)	Max. 200 µA	
Ext. alarm indicator (AI)	2	
Connection terminals	0.28…1.5 mm²	
Operating temperature	-25…+70 °C	
Storage temperature	-30…+75 °C	
Air humidity	≤95 % rel.	
Communication protocol	FDnet/C-NET	
Color	~RAL 3000 flame red	
Protection category (EN 60529 / IEC 529)	IP44	
Standards	EN 54-11, EN 54-17	
Design according to EN 54-11	Type B (indirect activation)	Type A (direct activation)
Approvals – VdS	G214019	G214020
System compatibility – FDnet – C-NET	FS20 / SIGMASYS FS720 / SIGMASYS	

FDM233 / FDM234

14 CE 0786	**FDM233**	Siemens Schweiz AG, Theilerstrasse 1a CH-6300 Zug Technical data: see doc. **A6V10374017**
FDM233 - Manual callpoint incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.		
305/2011/EU (CPR): EN 54-11 / 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-21332; DoC No.: CED-FDM233		

14 CE 0786	**FDM234**	Siemens Schweiz AG, Theilerstrasse 1a CH-6300 Zug Technical data: see doc. **A6V10374017**
FDM234 - Manual callpoint incl. short-circuit isolator for use in fire detection and fire alarm systems installed in buildings.		
305/2011/EU (CPR): EN 54-11 / EN 54-17 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581		
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DoP No.: 0786-CPR-21333; DoC No.: CED-FDM234		