



## FDM223-Ex

Sinteso™  
Cerberus™ PRO

## Manual call point

Addressed (FDnet-Ex/C-NET-Ex)  
For potentially explosive areas



- Manual call point for addressed Sinteso FS20 and Cerberus PRO FS720 fire detection systems
- Manual call point FDM223-Ex with indirect activation
- Two-wire installation
- Communication via FDnet-Ex/C-NET-Ex (addressed individually)

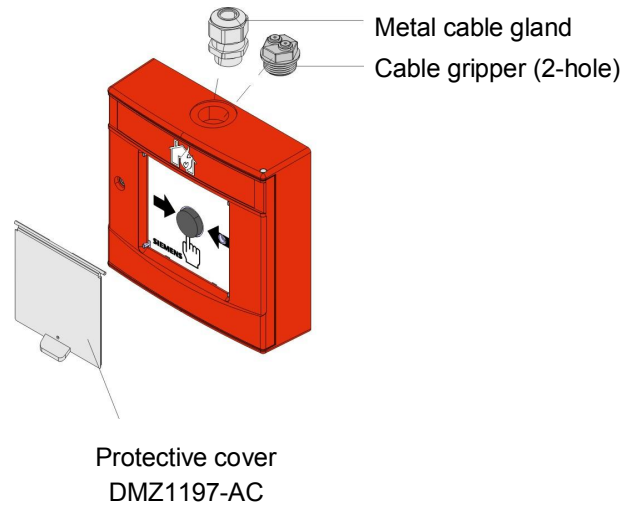
## Properties

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- **Eco-friendly**
  - Environmentally friendly processing
  - Reusable materials
  - Electronic parts and synthetic materials can be easily separated
- **Features**
  - Protected electronics
  - Built-in alarm indicator (LED)
  - Two-color LED for alarm and test

## FDM223-Ex manual call point

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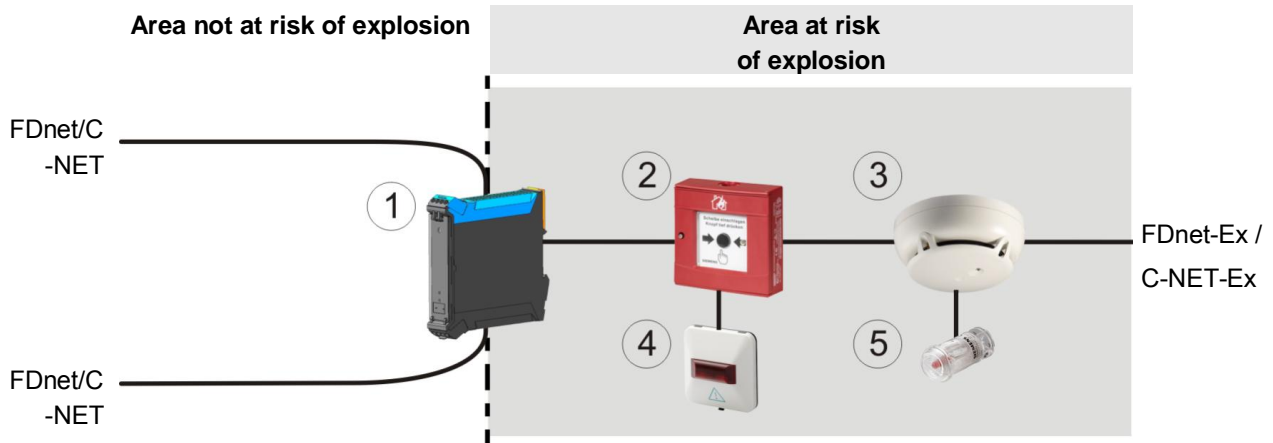


- **Function of the FDM223-Ex**
  - Indirect alarm activation by smashing the glass insert and pressing the alarm button.
  - Open the door of the detector with the key to replace the glass insert. Reset the alarm button before closing the door.
  - Protective cover DMZ1197-AC (accessories) protects the manual call point against the glass being broken accidentally.

## Installation in potentially explosive areas

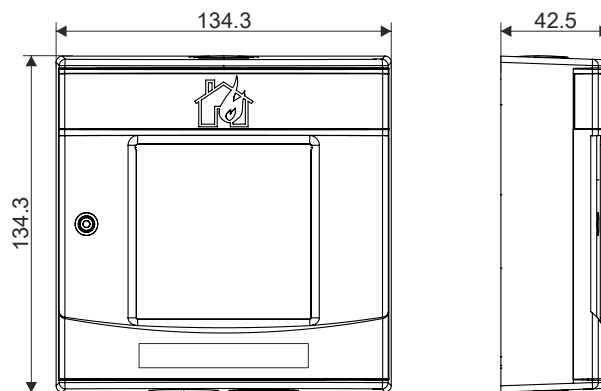
Specific national requirements always apply when creating installations in areas at risk of explosion.

The line adapter (Ex) FDCL221-Ex ensures electrical isolation of the potentially explosive areas and the areas not at risk.



- 1 FDCL221-Ex line adapter (Ex)
- 2 Manual call point FDM223-Ex
- 3 Multisensor fire detector FDOOT241-A9-Ex /  
Multisensor fire detector OOH740-A9-Ex
- 4 Alarm indicator FDAI92-Ex
- 5 Alarm indicator FDAI93-Ex


## Dimensions



FDM223-Ex

## Technical data

Dimensions (W x H x D)	134 x 134 x 43 mm	
Operating temperature	-25...+70 °C	
Storage temperature	-35...+75 °C	
Air humidity (no moisture condensation)	≤95 % rel.	
Communication protocol	FDnet-Ex/C-NET-Ex	
Connection terminals	1...1.5 mm <sup>2</sup>	
Color	~RAL 3000, flame red	
Protection category according to EN 60529	IP44 IP66 with sealing kit DMZ1197-AD	
System compatibility		
- FDnet	FS20, AlgoRex, SIGMASYS	
- C-NET	FS720	
Characteristics	Ui	≤ 28 V
	Ii	≤ 92 mA
	Pi	≤ 650 mW
	Li	negligible
	Ci	< 0.2 nF
Operating current (quiescent)	200 µA	
Ext. Alarm indicator (AI)	Uo	≤ 14.2 V
	Io	≤ 480 mA
	Po	≤ 195 mW
	Lo	< 100 µH
	Co	< 38 nF
	Only for connecting passive, external alarm indicators to negligibly small inductivities and capacities	
Ex classification		
IECEX scheme	Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C Ex ia IIIB T135 °C Da, Ta = -35 °C...+70 °C	
94/9/EC (ATEX Directive)	II 1 G Ex ia IIC T4 Ga, Ta = -35 °C...+70 °C II 1 D Ex ia IIIB T135 °C Da, Ta = -35 °C...+70 °C	
Ex approvals		
- EC-type examination certificate	BVS 12 ATEX E 095 X	
- IECEX	BVS 12.0082 X	
EN 54 approvals		
- VdS	G213107	
Design according to EN 54-11	Type B (indirect activation)	
DNV GL (Marine)	MEDB00003UM	

14  0786 0102	<b>FDM223-Ex</b>	Siemens Schweiz AG; Theilerstrasse 1a CH-6300 Zug Technical data: see doc. <b>A6V10349616</b>
	FDM223-Ex - Manual callpoint for use in fire detection and fire alarm systems installed in buildings.	
305/2011/EU (CPR): EN 54-11 ; 2014/30/EU (EMC): EN 50130-4 / EN 61000-6-3 ; 2011/65/EU (RoHS): EN 50581 ; 2014/34/EU (ATEX): EN 60079-0 / EN 60079-11 / EN 60079-26		
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 <a href="http://siemens.com/bt/download">http://siemens.com/bt/download</a>		
DoP No.: 0786-CPR-21320; DoC No.: CED-FDM223-Ex		

## Details for ordering

	Type	Art. no.	Designation	Weight
FDM223-Ex complete	FDM223-Ex	S54329-F5-A1	Red housing, glass, key, switching unit, 2 cable grippers (2-hole), 2 standard signs with building and fire brigade/fire detector, red	0.377 kg
Accessories	DMZ1197-AC	BPZ:5223550001	Protective cover	0.015 kg
	–	A5Q00004478	M20 x 1.5 metal cable gland	0.039 kg
Replacement material	DMZ1197-AD	BPZ:5470680001	Sealing kit	0.023 kg
	DMZ1196-AC	BPZ:4942050001	Glass pane	0.014 kg
	DMZ1195	BPZ:4851910001	Key	0.002 kg

You will find additional information in the following documents:

- Equipment overview, doc no. 008164 (Sinteso), A6V10225323 (Cerberus PRO)
- For system compatibility, see the lists of compatibility, doc no. 008331 (Sinteso) and A6V10229261 (Cerberus PRO)
- FDM223-Ex technical manual, doc no. A6V10349616
- Planning, mounting/installation, commissioning, maintenance/servicing of fire detection installations FS20 and FS720 in potentially explosive areas, doc no. A6V10324618

## Disposal



The device is considered an electronics device for disposal in terms of European Directive 2012/19/EU 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.

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