



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

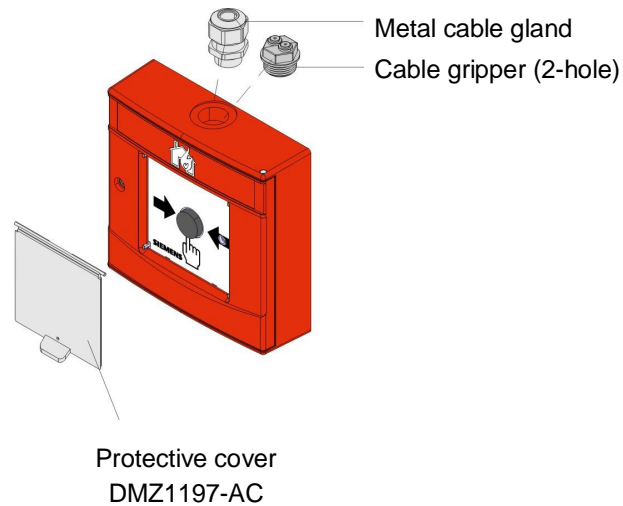
I **Eco-friendly**

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

I **Features**

- Protected electronics
- Built-in alarm indicator (LED)
- Two-color LED for alarm and test

FDM223-Ex manual call point



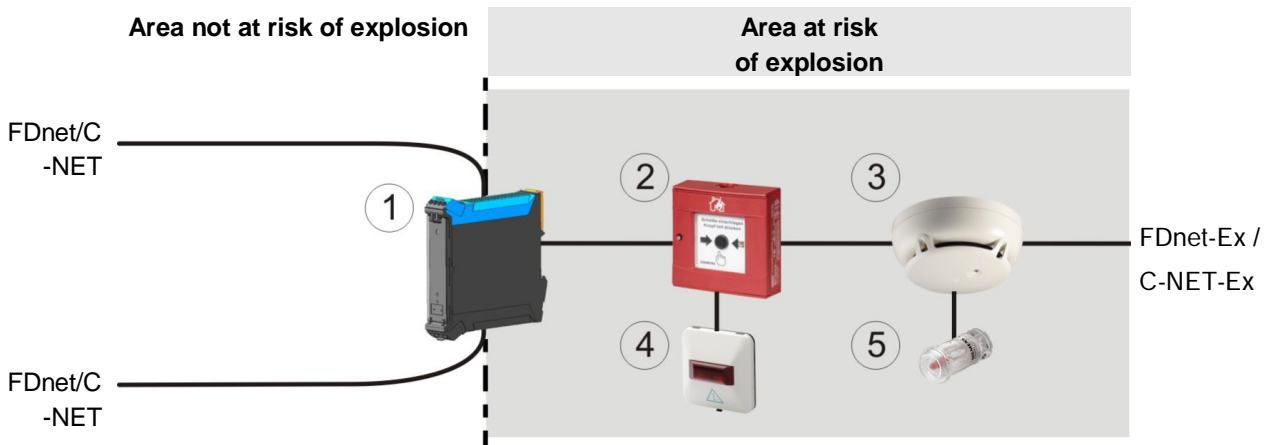
I **Function of the FDM223-Ex**

- 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

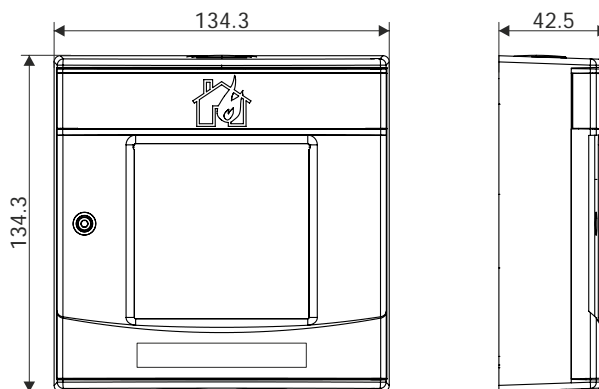
Specific national requirements always apply when creating installations in areas at risk of explosion.

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 ²															
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	<table> <tr> <td>U_i</td> <td>≤</td> <td>28 V</td> </tr> <tr> <td>I_i</td> <td>≤</td> <td>92 mA</td> </tr> <tr> <td>P_i</td> <td>≤</td> <td>650 mW</td> </tr> <tr> <td>L_i</td> <td></td> <td>negligible</td> </tr> <tr> <td>C_i</td> <td><</td> <td>0.2 nF</td> </tr> </table>	U _i	≤	28 V	I _i	≤	92 mA	P _i	≤	650 mW	L _i		negligible	C _i	<	0.2 nF
U _i	≤	28 V														
I _i	≤	92 mA														
P _i	≤	650 mW														
L _i		negligible														
C _i	<	0.2 nF														
Operating current (quiescent)	200 µA															
Ext. Alarm indicator (AI)	<table> <tr> <td>U_o</td> <td>≤</td> <td>14.2 V</td> </tr> <tr> <td>I_o</td> <td>≤</td> <td>480 mA</td> </tr> <tr> <td>P_o</td> <td>≤</td> <td>195 mW</td> </tr> <tr> <td>L_o</td> <td><</td> <td>100 µH</td> </tr> <tr> <td>C_o</td> <td><</td> <td>38 nF</td> </tr> </table> <p>Only for connecting passive, external alarm indicators to negligibly small inductivities and capacities</p>	U _o	≤	14.2 V	I _o	≤	480 mA	P _o	≤	195 mW	L _o	<	100 µH	C _o	<	38 nF
U _o	≤	14.2 V														
I _o	≤	480 mA														
P _o	≤	195 mW														
L _o	<	100 µH														
C _o	<	38 nF														
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)	45 247 - 16 HH															

14  0786 0102	FDM223-Ex	Siemens Switzerland Ltd; Gubelstrasse 22 CH-6301 Zug
		Technical data: see doc. A6V10349616
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 http://siemens.com/bt/download		
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
	DMZ1197-AD	BPZ:5470680001	Sealing kit	0.023 kg
Replacement material	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

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