MCP 535X

Addressable Manual call point, type B

The manual call points of the series MCP 535X have an integrated alarm LED and are available in different colours and IP-protection classes:

- Colours   red, yellow, blue, green
- Indoor application   IP 52, surface mounting
- Outdoor application   IP 54, surface mounting (seal set)

Comply with EN54-11 or EN12094-3 and VdS.

The MCP 535X meets the SecuiLine eXtended specification for operation on the ring circuit of the SecuriFire fire detection system.

Fig. 1 MCP 535X

Description

The Manual Fire Call Point MCP 535X is a non-automatic detector for manual fire alarm release acc. to EN 54-11. Additionally it is available as manual release and stop button for extinguishing systems acc. to EN 12094-3 as well as a manual call point and additional discharge button.

MCP 535X-1	Manual fire call point red	IP 52 (54)
MCP 535X-3	Manual call point blue	IP 52 (54)
MCP 535X-5	Manual release button yellow	IP 52 (54)
MCP 535X-7	Stop button blue	IP 54
MCP 535X-15	Additional discharge button green	IP 52 (54)
MCP 535X-17	Manual call point grey	IP 52 (54)

The stop button blue is supplied in IP54. The other variants can be fitted with an optional sealing to be suitable for outdoor application IP54.

The desired signal is triggered by breaking the glass and pressing the button (type B – double action). The pushbutton remains locked. The control panel can only be reset after the alarm button has been deblocked.

The stop variant (respectively the green additional discharge button after conversion) does not have a locking mechanism. The activation of the detector is indicated via the integrated LED.

To increase the security with respect to false alarms, the MCP 535X can additionally be provided with a hinged cover.

The detector includes a short-circuit isolator. In the event of wire breakage or short-circuit, this functionality ensures that the fault is localised and that operation of the ring circuit remains fully functional.

Planning

Country-specific guidelines for planning and installation of automatic fire alarm systems and extinguishing systems apply to the project planning.

Mounting / Installation

The MCP 535X can be only surface-mounted (Type MCP 535X-1, MCP 535X-3, MCP 535X-7, MCP 535X-15, MCP 535X-17).
The seal set can be used for all types for outdoor applications.
The MCP 535X can be opened only by means of a key.
The design of the detectors for the protection class IP 52 and IP 54 is identical. The protection class IP 54 is achieved by addition of a seal set.

Interfaces

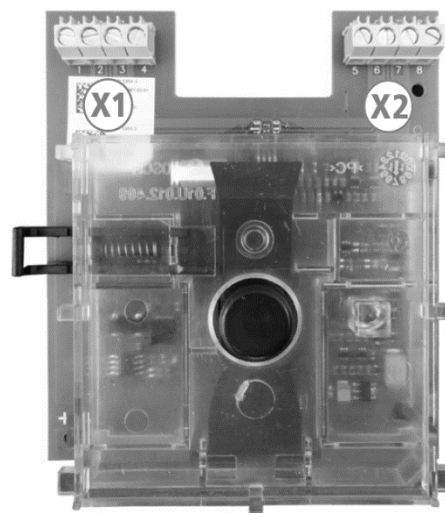**X1**   SecuriLine eXtended

X2   SecuriLine eXtended

Fig. 2 MCP 535X interfaces

SecuriLine eXtended (X1)

Terminal	Designation	Description
1		Terminal point
2	Data (in/out)	Input / output data
3	GND (in/out)	Input / output GND
4	GND or SHLD	Terminal point GND or cable shield

SecuriLine eXtended (X2)

Terminal	Designation	Description
5		Terminal point
6	Data (in/out)	Input / output data
7	GND (in/out)	Input / output GND
8	GND or SHLD	Terminal point GND or cable shield

Data sheet

Connection

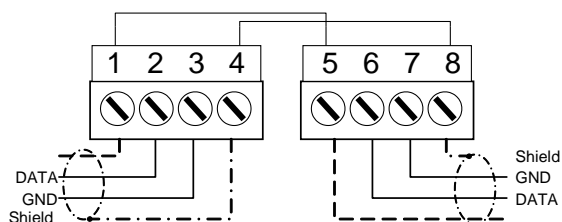The SecuriLine eXtended is connected to the terminals of the MCP according to **Fig. 3**.

Fig. 3 Connection of MCP 535X
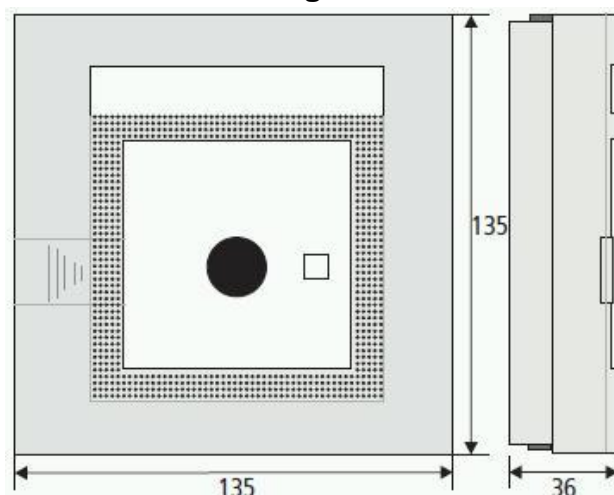
Dimensional drawing

Fig. 4 Dimensional drawing IP 52 und IP 54 (in mm)

Article numbers / spare parts

Brief description	Article number CH	Article number
MCP 535X-1 Manual fire call point red	970799	30-5700007-01-xx
MCP 535X-3 Manual call point blue	on demand	30-5700007-03-xx
MCP 535X-5 Manual release button yellow	on demand	30-5700007-05-xx
MCP 535X-7 Stop button blue	on demand	30-5700007-07-xx
MCP 535X-15 Additional discharge button green	on demand	30-5700007-15-xx
MCP 535X-17 Manual call point grey	on demand	30-5700007-17-xx
MCP seal set IP 54	977510	30-4100001-01-xx
Label inlay Securiton for MCP 525/535 VE100	977511	on demand
Key for MCP plastic	214337	6200147
KEY MCP 5xx VE5 Key for MCP metal (5pcs)	→	30-6800093-01-xx
GLASS MCP VE10 Spare break glass (10pcs)	→	30-6800091-01-xx
Protection cover	on demand	30-6200002-01-xx
Elevating frame 50mm	on demand	30-6200003-01-xx
Base plate for the installation of the protection cover	on demand	30-6200005-01-xx

Technical data

Operating voltage		7-31	VDC
Current consumption at 24 V-DC	normal	120	µA
	active alarm LED additionally	2.5	mA
Signal transmission		serial data transmission, 2-conductor technology	
Screw connections		1.5	mm²
Protection category		IP 52/54	
Standards	MCP 535X-1, MCP 535X-3	EN 54-11 Type B, EN 54-17	
	MCP 535X-5, MCP 535X-7, MCP 535X-15	EN 12094-3, EN 54-17	
Declaration of performance	MCP 535X-1	CPR-30-17-007-de-en	
	MCP 535X-5	CPR-30-17-008-de-en	
	MCP 535X-3 and MCP 535X-7	CPR-30-17-022-de-en	
	MCP 535X-15	CPR-30-17-024-de-en	
VdS Homologation	MCP 535X-1	G210095	
	MCP 535X-5	G210096	
	MCP 535X-3 and MCP 535X-7	G210097	
	MCP 535X-15	G210097	
Ambient conditions	Temperature range	- 20 to +50	°C
	Humidity	10 to 95	% RH
Dimensions (W x H x D)		135 x 135 x 36	mm
Housing colour	MCP 535X-1	red, RAL 3001	
	MCP 535X-3 and MCP 535X-7	blue, RAL 5005	
	MCP 535X-5	yellow, RAL 1003	
	MCP 535X-15	green, RAL 6002	
	MCP 535X-17	grey (matt), RAL 7024	
Housing material		plastic, ASA	
Weight		450	g