

# MCP IP66 – small design

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- **IQ8MCP for connection to the esserbus® und esserbus®-PLus of the 8000, IQ8Control and FlexES Control fire alarm systems**
- **Conventional MCP for universal use**
- **Meets EN 54-11 requirements**
- **IP66: High protection class for industrial applications**
- **Complete MCP incl. surface mount housing and protective cover**
- **Test function, reset and opening of the housing easy with the supplied key**



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## More variety all along the line

The new generation of the manual call points meets the EN 54-11 multicultural requirements as a type A (direct operation). The detector housing is provided with a pictogram, which is easily understandable both internationally as well as for children. According to individual requirements, the optional labelling foils can be used, which can be easily exchanged with the pictogram without additional tools. The actuator is labeled with arrow symbols. Using the enclosed key, it is possible to trigger the innovative manual call point for maintenance (inspection/servicing) without opening the housing. Maintenance and inspections can thus be carried out in a timesaving manner.

## Note on planning and designing:

For the use of the detectors in fire detection and fire alarm systems, red housing and symbols conforming to standards according to EN 54-11 is compulsory. These standardized symbols are contained in the scope of delivery. All other housing colours and labels do not meet the standard for manual fire alarms but rather for manual triggering devices.

By default, the detector's protection class is IP66. Due to its high IP protection class the MCP can be used in heavy environments where a higher chance of water and dirt ingress is expected. The surface mount housing is equipped with knock-out cable entries in which M20 cable glands can be used.

The careful design allows a simple and time-saving installation, supported by plug-in terminals for the cable connections.

## IQ8MCP IP66

The IQ8MCP IP66 is offered as a complete detector and is operated in the 8000, IQ8Control and FlexES Control fire alarm systems as a device on the esserbus® and esserbus®-PLus. Equipped with a microprocessor, it features an alarm memory, alarm indication and soft address coding. In order to ensure the operation of the fire alarm equipment in case of a short circuit or wire break, the IQ8MCP has an integrated loop isolator.

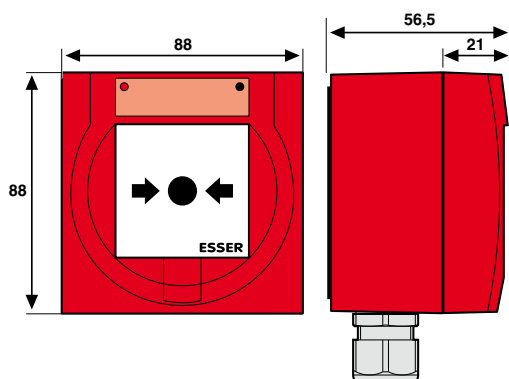
## Conventional MCP IP66

The conventional MCP IP66 offers a cost-effective solution. It can be operated universally on conventional fire detector zones or via esserbus® transponders in the 8000, IQ8Control and FlexES Control fire alarm systems.

## Actuation

When the manual call points are triggered, a yellow flag becomes visible in addition to the red LED; this guarantees a clear and visually certain identification of the triggered detectors.

For special applications in the food industry or in ultraclean rooms, we offer a resettable (unbreakable) plastic control panel that is optionally available as an accessory under part no. 704964.

**Housing dimensions (mm)**

**Cable gland optional**
**Specifications**

Version	Conventional MCP	IQ8MCP
Operating voltage	8 V DC to 30 V DC	8 V DC to 42 V DC
Quiescent current	- -	appr. 45 $\mu$ A @ 19 V DC
Alarm current	typ. 9 mA @ 9 V DC	typ. 9 mA, pulsed
Alarm current without communication		approx. 18 mA
Number of detector / group	10 detectors per zone (according to VdS)	max. 127 detectors / loop (according to VdS)
Operation indicator		flashing LED, green
Alarm display	LED, red and yellow flag	flashing LED, red and yellow flag
VdS approval no.	G 205131	G 205132

**General technical data**

Connection terminals	max. 1.5 mm <sup>2</sup> (AWG 30-14)
Operating temperature	-20 °C to +70 °C
Storage temperature	-30 °C to +75 °C
Type of protection	IP66
Weight with housing	approx. 250 g
Dimensions (W x H x D)	88 x 88 x 56.5 mm
Housing	PC ASA plastic
detector specification	EN 54-11:2001 / A1:2005, Type A

**Order data**

		item no.
Complete MCP	IQ8MCP IP66, red with glass pane	804961
	Conventional MCP IP66, red with glass pane	804960
Housing	Housing for small MCP red	704950
Accessories	Spare glass pane for small MCP, EN54 - ESSER	704960
	Spare glass pane for small MCP, EN54 - neutral	704975
	Plastic pane resettable for small MCP, EN54 - ESSER	704964
	Universal label foil for small MCP	704961
	Plastic spare key for small MCP	704966

For further order data please refer to the product line catalog for fire alarm systems.