

## MCP - small design

- **IQ8MCP for connection to the esserbus and the esserbus PPlus of 8000 and IQ8Control fire detection systems**
- **Conventional MCP for universal use**
- **Meets EN 54-11 requirements**
- **Complete detectors or electronic modules selectable depending on area of usage**
- **Detector housing available in two colours**
- **Space-saving flat design**
- **Test function, reset and opening of the case easy with the supplied key**



### 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.

With the aid of the optional cover (part no. 704965), the detector's mechanical protection can be additionally increased. A standard feature of the detector is the IP 43 protection class. With the aid of the cover, the protection class IP 55 is achieved.

### IQ8MCP

The IQ8MCPs are available as a complete detector and/or electronic module and are operated as devices on the esserbus and/or esserbus-Plus in the 8000 and IQ8Control fire alarm systems. Equipped with a microprocessor, they possess alarm memory, alarm indication and soft-address coding. Depending on the design, an external D-line with conventional MCPs can be operated on an IQ8MCP. In order to also guarantee the operation of the fire detection system in the case of a short-circuit and/or wire breakage, IQ8MCP variants are available with a loop isolator. Also a module with a relay output is optionally available, which is automatically activated by the triggering of the IQ8MCP. The relay output can be programmed as a control group with tools 8000.

### Conventional MCP

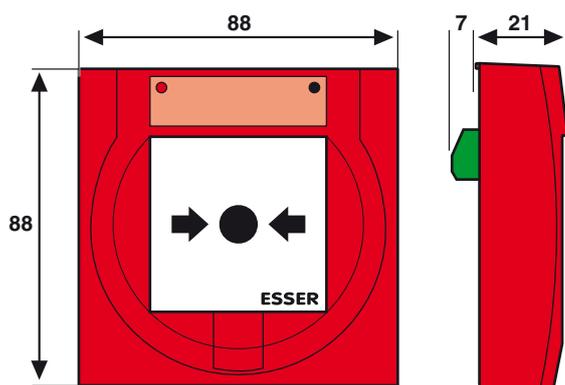
The conventional MCP represents a cost-effective solution. This can be operated universally on conventional fire detector zones or via esserbus transponders in the 8000 and IQ8Control fire alarm systems. A module with second microswitch is also optionally available. The floating contacts can be used for example for the actuation of other external devices.

### 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.

## Dimensions housing (mm):



## MCP with cover:



Please note \_ for surface mounting the mount housing 70890/81 is necessary.

## Technical data

Design	Conventional MCP	IQ8MCP
Operating voltage range	8 V DC to 30 V DC	8 V DC to 42 V DC
Rated voltage	9 V DC	19 V DC
Quiescent current		approx. 45 µA @ 19 V DC
Alarm current	typ. 9 mA	typ. 9 mA, pulsed
Contact rating	max. 30 V DC / 1 A (2nd microswitch)	max. 30 V DC / 1 A (relay)
No. of detector/zone	10 detector per zone (according to VdS)	max. 127 detector/loop (according to VdS)
Operation indicator		flashing LED 1, green
Alarm indicator	LED, red and yellow flag	flashing LED 2, red and yellow flag
Operating temperature	-40 °C ... +70 °C	-20 °C ... +70 °C
Storage temperature	-40 °C ... +75 °C	-30 °C ... +75 °C
VdS approval	G 205131	G 205132

## General technical data

Connection terminals	max. 2.5 mm <sup>2</sup> (AWG 26-14)
Operating temperature	-40 °C to +70 °C
Storage temperature	-40 °C to +75 °C
Type of protection	IP 43 / IP 55 (with 704965)
Weight with housing	approx. 110 g
Dimensions (W x H x D)	88 x 88 x 21 mm
Dimensions with surface mount housing	88 x 88 x 57 mm
Housing	PC ASA plastic
Detector specification	EN 54-11, type A

## Order information

		Part No.
Complete MCP	Conventional MCP, red housing with glass pane	804970
	IQ8 MCP, red housing with glass pane	804971
	IQ8 MCP, red housing with plastic pane	804973
Electronic module	Conventional MCP electronic module with glass	804950
	Conventional MCP electronic module with glass, with 2nd microswitch	804951
	IQ8MCP electronic module with glass	804955
Housing	IQ8MCP electronic module with glass, without isolator, with relay	804956
	Housing for small MCP, red	704950
Accessories	Housing for small MCP, blue	704951
	Spare glass pane for small MCP, EN54	704960
	Plastic pane - resettable function, for small MCP	704964
	Foil for front face w. universal text for small MCP, white lettering	704961
	MCP Cover for small housing, transparent	704965
	Plastic spare key for small MCP	704966
	Mounting frame for small MCP, red and white	704967
	Surface mount housing for small MCP, red	704980
	Surface mount housing for small MCP, blue	704981

For further order data please refer to our „Fire Alarm Technology“ product line catalogue.

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