

## **MOSAIC M1C**

Order Code: **1100002**

Standard Master Unit. 8 Inputs. 2 OSSD pairs (SIL 3). Clamp Terminal Blocks



**Safety level**

**PL e**

**Safety inputs**

**8 digital inputs**

**Safety outputs**

**2 OSSD pairs (400 mA)**

**Status outputs**

**2 PNP (100 mA)**

**Test outputs**

**4**

## **Technical Description**

Master Unit for the control of any other expansion unit (not compatible with: MI8O4, MO4L and MA4), can also work as Stand-Alone

As Master Unit: to control a more complex system providing protection for bigger machineries with multiple sensors

As Stand-Alone: to control smaller machinery connecting with up to 4 safety devices, i.e. 1 safety light curtain, 1 e-stop, 1 magnetic sensor and 1 two-hand switch

Possibility of remote connection through field-bus interfaces

## Features

|                                 |                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety level                    | PL e                                                                                                                                              |
| Safety inputs                   | 8 digital inputs                                                                                                                                  |
| Safety level (SIL / PL)         | SIL 3 - SILCL 3 - PL e - Cat. 4                                                                                                                   |
| Operating temperature (°C)      | - 10 ... 55                                                                                                                                       |
| Signalling                      | LEDs indication for operating status and fault diagnosis. LED indication of the: inputs, OSSD outputs, reset request and status outputs condition |
| Safety output type              | 2 OSSD PNP (400 mA at 24 VDC) with protection against short circuit, overload and reverse polarity                                                |
| Connections                     | Removable terminal blocks, clamp contacts                                                                                                         |
| MTTFD (ISO13849) years          | 30 ... 100                                                                                                                                        |
| Safety outputs                  | 2 OSSD pairs (400 mA)                                                                                                                             |
| Status outputs                  | 2 PNP (100 mA)                                                                                                                                    |
| Test outputs                    | 4                                                                                                                                                 |
| Storage temperature (°C)        | -20 ... +85                                                                                                                                       |
| MSC connector provided          | No                                                                                                                                                |
| Connection with MSC BUS         | Yes                                                                                                                                               |
| Start/Restart inputs and EDM    | 2                                                                                                                                                 |
| Housing for MCM                 | Yes                                                                                                                                               |
| USB input                       | Yes                                                                                                                                               |
| Packaging dimensions HxLxW (mm) | 36 x 127 x 113                                                                                                                                    |
| Product class                   | B                                                                                                                                                 |

## MOSAIC M1C

Custom tariff

85371091

## Electrical data

Power supply (VDC)

24  $\pm$  20%

## Mechanical data

Dimensions HxWxD (mm)

108 x 22,5 x 114,5

Degree of protection

IP20 for housing - IP2X for terminal block

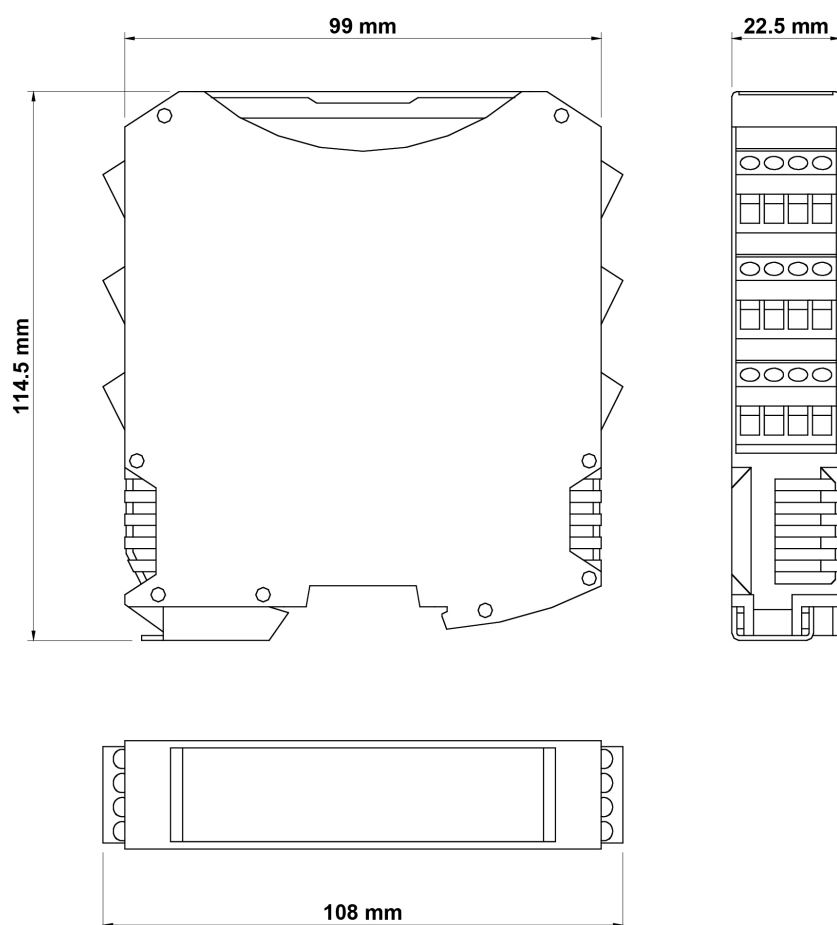
Fastening

35 mm DIN rail fastening according to EN 50022-35 standard

Gross weight (g)

206,8

## Technical drawings



## Certificates

