

## **MOSAIC M1S**

Order Code: 1100003

Enhanced Master Unit. 8 Inputs. 4 single or 2 pairs OSSD (SIL 3). Screw Terminal Blocks



**Safety level**

PL e

**Safety inputs**

8 digital inputs

**Safety outputs**

4 single OSSD, or 2 pairs  
(400 mA)

**Status outputs**

4 PNP (100 mA)

**Test outputs**

4

## **Technical Description**

Master Unit for the control of any other expansion unit, 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 safety sensor (e.i. magnetic) and 1 two-hand switch

## 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	4 single OSSD, or 2 pairs (PNP - 400mA at 24 VDC) with protection against short circuit, overload and reverse polarity
Connections	Removable terminal blocks, screw contacts
MTTFD (ISO13849) years	30 ... 100
PFHD (IEC 61508)	1,34E-08
Safety outputs	4 single OSSD, or 2 pairs (400 mA)
Status outputs	4 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	4
Housing for MCM	Yes
USB input	Yes
Packaging dimensions HxLxW (mm)	36 x 127 x 113

Product class C

Custom tariff 85371091

## Electrical data

Power supply (VDC)  $24 \pm 20\%$

## Mechanical data

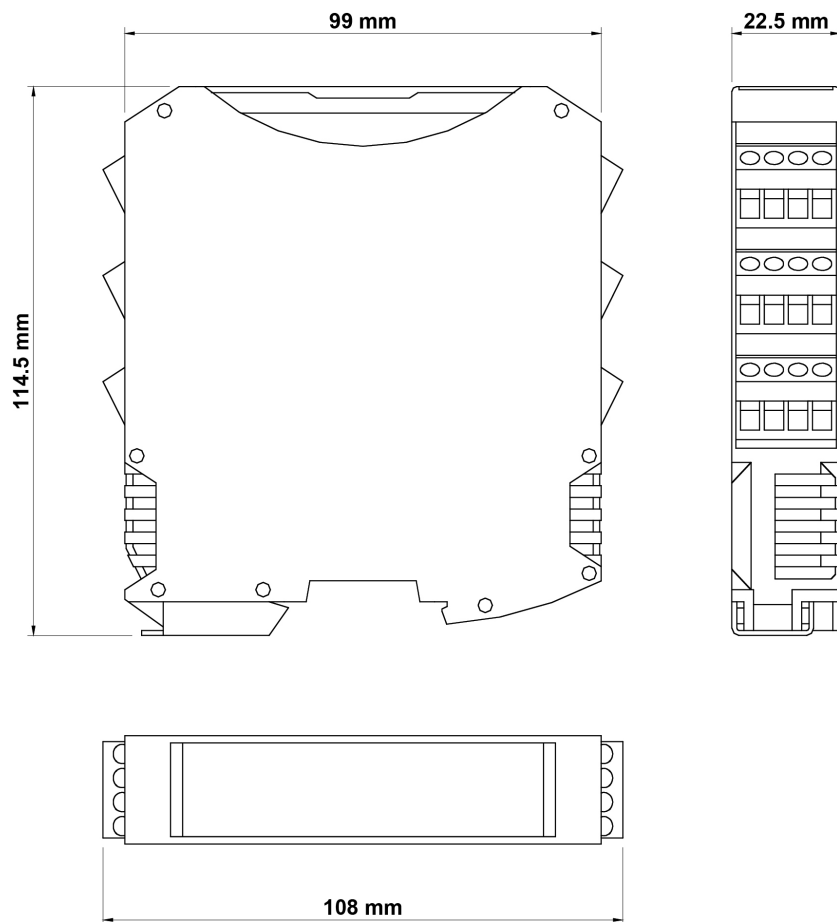
Dimensions HxWxD (mm) 108 x 22,5 x 114,5

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**

