

MOSAIC M1

Order Code: 1100000

Standard Master Unit. 8 Inputs. 2 OSSD pairs (SIL 3). Screw 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, screw contacts
MTTFD (ISO13849) years	30 ... 100
PFHD (IEC 61508)	6,86E-09
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 128 x 118

Product class	A
Custom tariff	8537109199

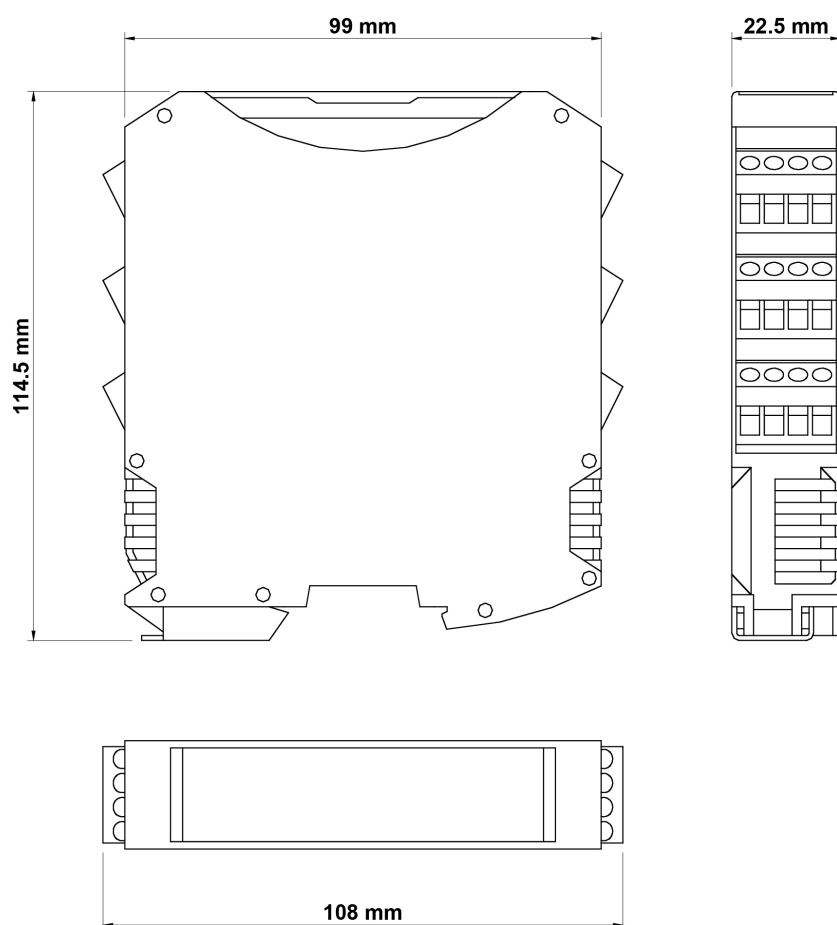
Electrical data

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

Technical drawings



Certificates

