

# CONFIGURABLE SAFETY CONTROLLERS

## MOSAIC M1

. Main unit, also usable as a stand-alone device, able to control any other expansion units. 8 digital inputs. 2 inputs for Start/Stop interlock and device monitoring (EDM). 2 OSSD pairs. 4 test outputs and 2 programmable digital signal outputs

### Certifications:



### Technical data:

Family	MOSAIC
Code	1100000
Safety level (SIL / PL)	SIL 3 - SILCL 3 according to IEC 61508 - IEC 62061 / PL e - Cat. 4 according to ISO 13849-1
Connections	Removable terminal blocks, screw contacts
Power supply (VDC)	24 -15% +10%
Safety inputs	8
Safety relay outputs	-
Safety outputs	2 pairs PNP - 400mA at 24 VDC with protection against short circuit, overload and reverse polarity
MTTFd (ISO 13849-1) years	361,58
PFHd (IEC 61508)	6.86E-9
CCF (ISO 13849-1)	80%
Degree of protection	IP 20 for housing - IP 2X for terminal block
Storage temperature (°C)	from -20 to +85
Operating temperature (°C)	From -10 to 55
Programmable signalling outputs	2 PNP - 100mA
Test outputs	4
Start/Restart inputs and EDM	2
LED signalling	Input/output status and fault diagnostics
USB input	yes
Housing for MCM	yes
MSC connector provided	no
Connection with MSC BUS	yes
Dimensions HxWxD (mm)	99 x 22,5 x 114
Fastening	Rail fastening according to EN 50022-35 standard
Packaging dimensions WxHxL (mm)	160x135x60
Gross weight (Kg)	0,26

### Related products:

[MOSAIC MCM](#)  
[MOSAIC MSC](#)  
[MOSAIC CSU](#)  
[MOSAIC CPM](#)  
[MOSAIC HM1](#)

**See technical drawing in the next page.**

Technical drawing:

