

CONFIGURABLE SAFETY CONTROLLERS

MOSAIC M1S

Enhanced master unit. Screw terminal blocks

8 digital inputs, 4 inputs for Start/Restart interlock and external device monitoring (EDM), 4 single OSSD safety outputs (or 2 pairs), 4 test outputs, 4 programmable digital signal outputs.



Certifications:



Technical data:

Family	MOSAIC
Code	1100003
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 ± 20%
Safety inputs	8
Safety relay outputs	-
Safety outputs	4 single OSSD (or 2 pairs) PNP - 400mA at 24 VDC with protection against short circuit, overload and reverse polarity
PFHd (IEC 61508)	1,34E-08
CCF (ISO 13849-1)	80%
system MTTFd (ISO 13849-1) years	30 ... 100
Degree of protection	IP 20 for housing - IP 2X for terminal block
Operating temperature (°C)	From -10 to 55
Storage temperature (°C)	From -20 to +85
Programmable signalling outputs	4 PNP - 100mA
Test outputs	4
Start/Restart inputs and EDM	4
LED signalling	Input/output status and fault diagnostics
USB input	yes
Housing for MCM	yes
Connection with MSC BUS	yes
MSC connector provided	no
Dimensions HxWxD (mm)	108 x 22,5 x 114,5
Fastening	Rail fastening according to EN 50022-35 standard
Gross weight (Kg)	0,26
Packaging dimensions W x H x L (mm)	160 x 135 x 60

Related products:

[MOSAIC MCM](#)

[MOSAIC MSC](#)

[MOSAIC CSU](#)

[MOSAIC CPM](#)

[MOSAIC HM1](#)

[HOKUYO MPD MOSAIC/AD SR1 Adapter](#)

See technical drawing in the next page.

Technical drawing:

