

CONFIGURABLE SAFETY CONTROLLERS

MOSAIC MA4

Analogue input expansion unit

4 independent isolated analogue channels. Individual channels can be paired-up to allow sensor reading redundancy

Screw terminal blocks.

Compatible: M1S

Certifications:



Technical data:

Family	MOSAIC
Code	1100025
Safety level (SIL / PL)	SIL 3 - SILCL 3 according to IEC 61508 - IEC 62061 / PL e - Cat. 4 according to ISO 13849-1
Detection	Resolution 16 bit with sampling per second from 2,5 SPs to 4000 SPS. Each channel can supply 24 VDC up to 30 mA
Connections	Removable terminal blocks, screw contacts
Power supply (VDC)	24 ± 20%
Safety inputs	4 analogue inputs
Safety outputs	-
Safety relay outputs	-
system MTTFd (ISO 13849-1) years	30 ... 100
PFHd (IEC 61508)	-
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	-
Test outputs	-
Start/Restart inputs and EDM	-
LED signalling	Input status and fault diagnostics
USB input	-
Housing for MCM	-
MSC connector provided	yes
Connection with MSC BUS	yes
Dimensions HxWxD (mm)	108 x 22,5 x 114,5
Fastening	Rail fastening according to EN 50022-35 standard
Packaging dimensions W x H x L (mm)	160 x 135 x 60
Gross weight (Kg)	0,34
Use	Analogue sensors connection (loading cells, pressure switch, temperature measurement, flow and level measurements, etc.)
Technical data	Each channel can detect a 4-20 mA current (from 0 mA to 23 mA) or a 0-10 V voltage

selectable via MSD software

See technical drawing in the next page.

Technical drawing:

