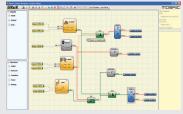


an to watch video





FREE DESIGNER SOFTWARE included with M1\M1S units



1100000





MOSAIC - A unique safety controller: Modular, Expandable, Configurable

MOSAIC is a modular configurable safety controller capable of managing all safety functions of machinery or plants. Made up of a Master unit which can operate as a stand-alone device or control up to 14 expansion units in a system.

Capable of monitoring several safety sensors and signals such as: light curtains - photocells - laser scanners - emergency stops - electromechanical switches - safety door switches - magnetic switches - safety mats and edges - two-hand controls - hand grip switches - encoders and proximities for safety speed control - load cells - pressure switches - temperature, flow and level measurements.

· Power supply:

· Connections: · Mounting:

· Safety level:

- Removable (screw terminal) blocks DIN rail mounting according to EN 50022-35 standard (H) 99 x (W) 22.5 x (D) 114 mm
- · Dimensions:

Advantages

- Tamper-proof system configuration
- Reduced control panel dimension, design and construction time
- Logic configured via graphic interface, eliminating laborious wiring as with traditional solutions
- Simulation function allows to validate system functionality without connecting to a machine

			,		,	9	
type	model	0	Start / Restart inputs	OSSD safety outputs	status outputs	description	

MOSAIC master units

Master units can operate as stand-alone device or expanded with additional I/O modules.

M1 - Standard master unit

- 8 digital inputs
- 2 pairs SIL 3 OSSD safety outputs (PNP 400 mA)
- 2 inputs for Start/Restart interlock and external device monitoring (EDM)
- 2 programmable digital status outputs (PNP 100 mA)
- 4 test outputs (for sensor monitoring)

1100000 M1 8 2 2 pairs 2 standard master controller

M1S - Enhanced master unit

- 8 digital inputs

- 4 single SIL 3 OSSD or (2 pairs) safety outputs (PNP 400 mA)
- 4 inputs for Start/Restart interlock and external device monitoring (EDM)
- 4 programmable digital status outputs (PNP 100 mA)
- 4 test outputs (for sensor monitoring)

1100003	M1S	8	4	4 or (2 pairs)	4	enhanced master controller	
Accessories for M1/M1S master units							
1100060	MCM r	memory card to store or duplicate master unit configuration as a backup					
1100061	MSC	rear bus connector required to connect to any expansion module					
1100062	USB	USB configuration cable (A-mini B, length 1.8 m)					
MOSAIC - Expansion modules							

Input/outpu	ut expansio	on modules	provides additional digital inputs and outputs to the master unit				
1100010 1100011* 1100021 1100025* * Only com	MI8O2 MI8O4 MI16 MA4 npatible wit	4x single	s SIL 3 OSSD safety outputs, 8x digital inputs, 2x status outputs e SIL 3 OSSD safety outputs, 8x digital inputs, 4x status outputs 16x digital inputs and 4x test outputs <i>(for sensor monitoring)</i> ex 4-20mA (or 0-10V) analogue inputs <i>(for analogue sensors)</i> d Master unit.				
1100031 1100032	MO4 MO4LHC	4x single h	4x pairs SIL 3 OSSD safety outputs, 4x status output igh current SIL 3 OSSD safety outputs (2A), 8x status output				
Status out	puts	provides additional non-safety outputs to the master unit					
1100092	MOS16		16x programmable digital (non-safety) signal outputs				
Safety relays		provides safety relay outputs with guided contacts					
1100041 1100043	MR4 MOR4S8		Ax safety relay outputs with guided contacts (6A 250 VAC) Ax configurable safety relay outputs with guided contacts				
Communication		for connection to the most common industrial Field-bus systems					
1100050 1100051 1100052 1100054 1100082	MBP MBD MBC MBEI MBMR	Profibus DP DeviceNET CANopen EtherNET IP Modbus RTU	module for diagnostics and data communication module for diagnostics and data communication				

24V DC ± 20% SIL 3, PL e, SILCL 3, Cat. 4