



Main

Range of product	Preventa Safety automation
Product or component type	Analogue output card
Safety module name	XPS MF60
Safety use category	Category 4 maximum conforming to EN 954-1 Performance level e conforming to EN/ISO 13849-1 SIL 3 conforming to EN/IEC 61508
Function of module	Closed circuit scanning of output channels Single-pole measuring of 0 V to 10 V or - 10 V to 0 V Single-pole measuring, using shunt, 0 A to 20 mA
Standards	DIN V 0801 DIN V 19250 EN 50156 pending IEC 61131
[Us] rated supply voltage	24 V DC (- 15...20 %)
Group of channels	2 groups of 4 outputs
Analogue output number	8
Connections - terminals	Removable screw terminal block, clamping capacity: 1 x 0.14...1 x 1.5 mm ² , AWG 28...16 flexible without cable end Removable screw terminal block, clamping capacity: 1 x 0.14...2 x 1.5 mm ² , AWG 28...16 solid without cable end Removable screw terminal block, clamping capacity: 1 x 0.25...1 x 0.5 mm ² , AWG 22...20 flexible with cable end Removable screw terminal block, clamping capacity: 1 x 0.25...1 x 1.5 mm ² , AWG 22...16 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.14...2 x 0.5 mm ² , AWG 28...20 solid without cable end Removable screw terminal block, clamping capacity: 2 x 0.14...2 x 0.75 mm ² , AWG 28...18 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.25...2 x 0.34 mm ² , AWG 22 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.5 mm ² , AWG AWG 20 flexible with cable end

Complementary

Marking	CE
Maximum overvoltage on input	24 V
Internal resistance	<= 600 Ohm for current circuit >= 1 kOhm for voltage circuit
Analogue input resolution	12 bits maximum 7 bits effective
Safety accuracy	+/- 1 %
Transient deviation	<= +/- 1 %
Acquisition period	Once per CPU cycle
Processing time	45 µs
Analogue output range	- 10...0 V 0...10 V 0...20 mA
Output voltage limits	+/- 10.25 V

Output current limits	0...21 mA
Number of terminal blocks	2
Current consumption	130 mA at 3.3 V DC on rack 280 mA at 5 V DC on rack 630 mA at 24 V DC on power supply
Product weight	0.28 kg

Environment

Product certifications	CSA C-Tick TÜV UL
IP degree of protection	IP20 with covering plate on unused in rack I/O card slots
Ambient air temperature for operation	0...60 °C conforming to EN/IEC 61131-2
Ambient air temperature for storage	-40...85 °C conforming to EN/IEC 61131-2
Relative humidity	95 % (supply not connected)
Operating altitude	< 2000 m
Pollution degree	2
Class of protection against electric shock	Class II conforming to IEC 61131-2
Electromagnetic compatibility	EN/IEC 61131-2
Vibration resistance	1 gn, 10...150 Hz conforming to EN 61131-2 (10 cycles per axis)
Shock resistance	15 gn for 11 ms (2 cycles per axis), conforming to EN 61131-2
Resistance to electrostatic discharge	4 kV contact conforming to EN/IEC 61000-4-2 8 kV on air conforming to EN/IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m (26 MHz...1 GHz), amplitude modulation 80 % conforming to EN/IEC 61000-4-3

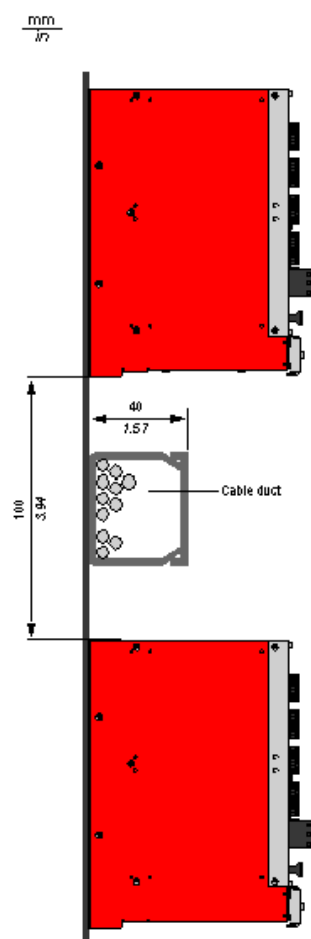
Front View

Technical drawing of the front panel of the XPS MF 60 terminal block. The panel is red with a white semi-circular cutout on the left. It features a 'Telemecanique' logo, 'XPS MF 60' and 'XPS MFPS01' text, a '24VDC LITH BATT.' label, and a '24VDC' label. The panel has six columns of terminal blocks, each labeled 'XPS MF' followed by a model number: C-RJ22, A-601, C-D24-01, D-24-01, D-24-01, and A-601. The panel also has a '24VDC' label and a '24VDC' label. Dimensions are provided in millimeters and inches.

Schneider
Electric

Mounting

Air Circulation



Minimum clearances

$\frac{\text{mm}}{\text{in}}$

