



### Main

Range of product	Preventa Safety automation
Product or component type	Relay 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	Monitoring safety actuators Monitoring safety dialogue
Standards	DIN V 0801 DIN V 19250 EN 50156 pending IEC 61131
[Us] rated supply voltage	24 V DC (- 15...20 %)
Number of outputs	8 relay
Connections - terminals	Removable screw terminal block, clamping capacity: 1 x 0.14...1 x 1.5 mm <sup>2</sup> , AWG 28...16 flexible without cable end Removable screw terminal block, clamping capacity: 1 x 0.14...1 x 1.5 mm <sup>2</sup> , AWG 28...16 solid without cable end Removable screw terminal block, clamping capacity: 1 x 0.25...1 x 0.5 mm <sup>2</sup> , AWG 22...20 flexible with cable end Removable screw terminal block, clamping capacity: 1 x 0.25...1 x 1.5 mm <sup>2</sup> , AWG 22...16 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.14...2 x 0.5 mm <sup>2</sup> , AWG 28...20 solid without cable end Removable screw terminal block, clamping capacity: 2 x 0.14...2 x 0.75 mm <sup>2</sup> , AWG 28...18 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.25...2 x 0.34 mm <sup>2</sup> , AWG 22 flexible without cable end Removable screw terminal block, clamping capacity: 2 x 0.5 mm <sup>2</sup> , AWG AWG 20 flexible with cable end

### Complementary

Marking	CE
Output type	Relay, with 2 NO per output, volt-free
Contacts material	Silver alloy, gold flashed
Switching time	30 ms
Reset time	20 ms
Contact bounce time	30 ms
Electrical durability	>= 250000 cycles
Mechanical durability	>= 10000000 cycles
Switching voltage	6...250 V AC
Switching current capacity	3.15 A/100 A with internal fuse
Switching capacity in VA	<= 700 VA, cos φ = 1
Switching capacity in W	<= 33/<= 110 V <= 40/<= 70 V <= 95/<= 30 V with suitable external fuse

Current consumption	0.2 A at 3.3 V DC on rack 0.7 A at 24 V DC on power supply
Product weight	0.6 kg

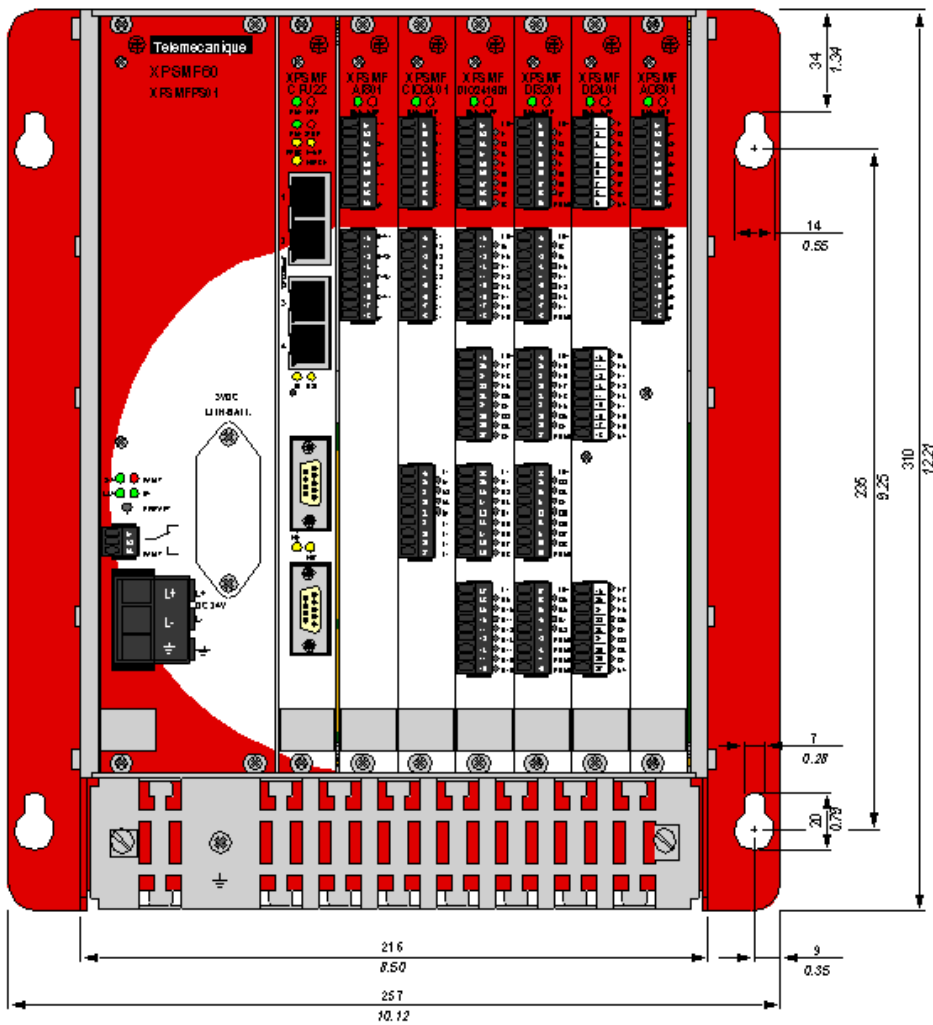
## Environment

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

Dimensions

Front View

mm  
inch



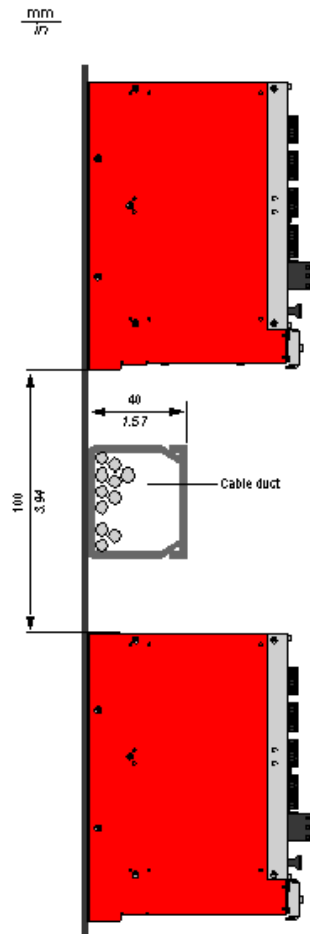
Max. module depth including screw terminals for the power supply: 239 mm/ 9.21 in.

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Mounting

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Air Circulation



## Minimum clearances

$\frac{\text{mm}}{17}$

