

Product datasheet

Specifications



Prevent a Safety automation - digital input card - 24I isolated

XPSMFDI2401

⚠ Discontinued on: 31 Dec 2019

⚠ To be end-of-service on: 31 Dec 2027

⚠ Discontinued

EAN Code: 3389119010764

Main

Range Of Product	Preventa Safety automation
Product Or Component Type	Digital input 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 detection Monitoring safety dialogue
Standards	IEC 61131 DIN V 0801 DIN V 19250 EN 50156 pending
[Us] Rated Supply Voltage	24 V DC - 15...20 %
Group Of Channels	3 groups of 8 discrete inputs
Discrete Input Number	24 isolated discrete input(s)
Connections - Terminals	Removable screw terminal block, 1 x 0.14...1 x 1.5 mm ² (AWG 28...AWG 16) flexible without cable end Removable screw terminal block, 1 x 0.25...1 x 0.5 mm ² (AWG 22...AWG 20) flexible with cable end Removable screw terminal block, 1 x 0.25...1 x 1.5 mm ² (AWG 22...AWG 16) flexible without cable end Removable screw terminal block, 2 x 0.14...2 x 0.5 mm ² (AWG 28...AWG 20) solid without cable end Removable screw terminal block, 2 x 0.14...2 x 0.75 mm ² (AWG 28...AWG 18) flexible without cable end Removable screw terminal block, 2 x 0.25...2 x 0.34 mm ² (AWG 22) flexible without cable end Removable screw terminal block, 2 x 0.5 mm ² (AWG 20) flexible with cable end Removable screw terminal block, 1 x 0.14...1 x 1.5 mm ² (AWG 28...AWG 16) solid without cable end

Complementary

Marking	CE
Discrete Input Voltage	110 V DC 127 V AC
Voltage State 0 Guaranteed	<= 20 V
Voltage State 1 Guaranteed	>= 79 V
Current State 1 Guaranteed	>= 2.2 mA
Number Of Terminal Blocks	3
Current Consumption	0.05 A at 3.3 V DC rack 0.1 A at 24 V DC power supply

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net Weight	0.26 kg
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Environment

Product Certifications	CSA UL TÜV C-Tick
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
Electrical Shock Protection Class	Class II conforming to IEC 61131-2
Electromagnetic Compatibility	EN/IEC 61131-2
Vibration Resistance	1 gn (f = 10...150 Hz) - 10 cycles per axis - conforming to EN 61131-2
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...1000 MHz), amplitude modulation 80 % conforming to EN/IEC 61000-4-3

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.5 cm
Package 1 Width	28.5 cm
Package 1 Length	35.5 cm
Package 1 Weight	597.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	5
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.698 kg

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

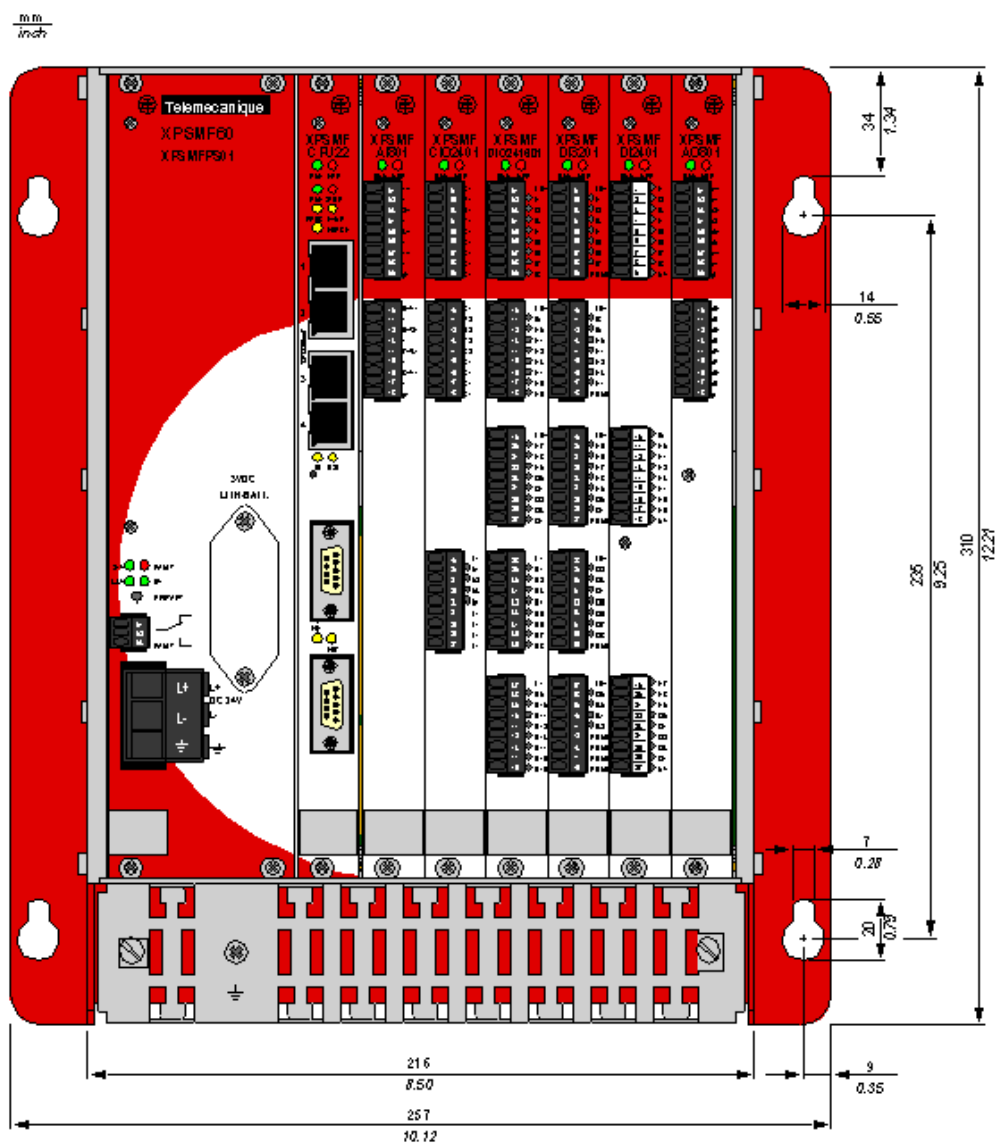
[Guide to assess a product's sustainability >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions

Front View

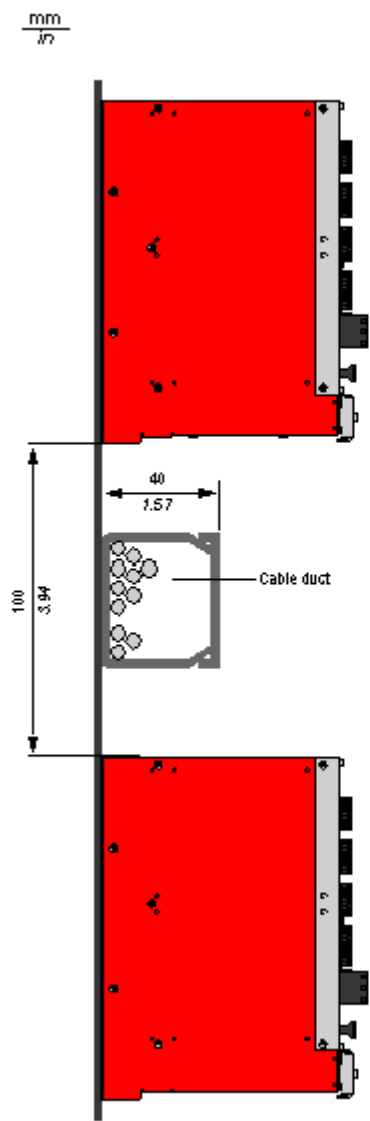


Max. module depth including screw terminals for the power supply: 239 mm/ 9.21 in.

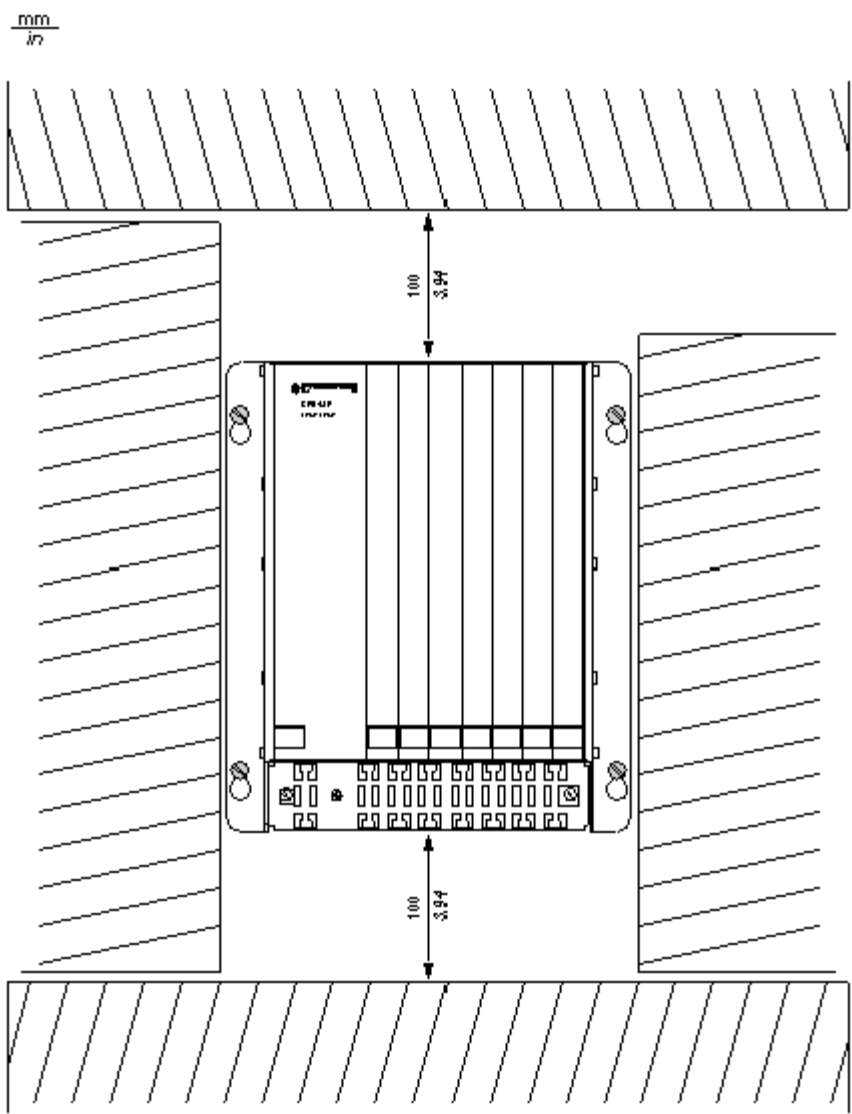
Mounting and Clearance

Mounting

Air Circulation



Minimum clearances



Connections and Schema

Emergency Stop Connections (Line Control)

