

Product datasheet

Specifications



Preventa safety remote mixed I/O module - 8 I not isolated - 4 O not isolated

XPSMF3AIO8401

⚠ Discontinued on: 31 Dec 2019

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

⚠ Discontinued

EAN Code: 3389119010733

Main

Range Of Product	Preventa Safety automation
Product Or Component Type	Preventa safety remote mixed I/O module
Safety Module Name	XPSMF3
Safety Module Application	Extension of I/O capacity
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
Structure Type	10BASE-T/100BASE-TX

Complementary

Function Of Module	Single-pole measuring of 0 to 10 V voltages Measuring, using shunt, 0/4 to 20 mA currents Closed circuit scanning of input channels
[Us] Rated Supply Voltage	24 V DC - 15...20 %
Supply	SELV or PELV conforming to EN/IEC 60950
Response Time	Depending on size of application
Analogue Input Number	8
Analogue Input Type	Not isolated
External Resistance	250 Ohm for analogue input circuit 500 Ohm for analogue input circuit
Analogue Input Range	0...20 mA with 500 Ohm shunt 0...10 V
Input Voltage Limits	0.1...11.5 V
Input Current Limits	0.4...23 mA, with 500 Ohm shunt
Analogue Input Resolution	12 bits
Safety Accuracy	+/- 2 % for analogue input circuit
Maximum Internal Input Resistance	500 MOhm for signal source 2 Ohm
Input Overvoltage Protection	-4...15 V
Analogue Output Number	4
Analogue Output Type	Not isolated
Analogue Output Range	4...20 mA

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

Output Current Limits	0...20 mA
Analogue Output Resolution	12 bits
Load Impedance Ohmic	<= 600 Ohm for analogue output
Relative Error	+/- 1 %
Maximum Cable Distance Between Devices	300 mm analogue input circuit 300 mm analogue output
Communication Port Protocol	Safe Ethernet with 2 RJ45 port(s), transmission rate: 100 Mbps, 10 Mbps, medium: dual twisted pair cable, category 5D or better
Exchange Mode	Half duplex, full duplex, autonegotiation
Number Of Terminal Blocks	1 for power supply 5 for analogue input/output circuit
Current Consumption	0.8 A at 24 V DC on power supply
Mounting Support	35 mm symmetrical DIN rail
Depth	207 mm
Height	109 mm
Width	97.5 mm
Net Weight	0.95 kg

Environment

Ip Degree Of Protection	IP20 (enclosure)
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-40...85 °C conforming to EN 61131-2

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.5 cm
Package 1 Width	18.5 cm
Package 1 Length	29.5 cm
Package 1 Weight	1.513 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	3
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	6.018 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.

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

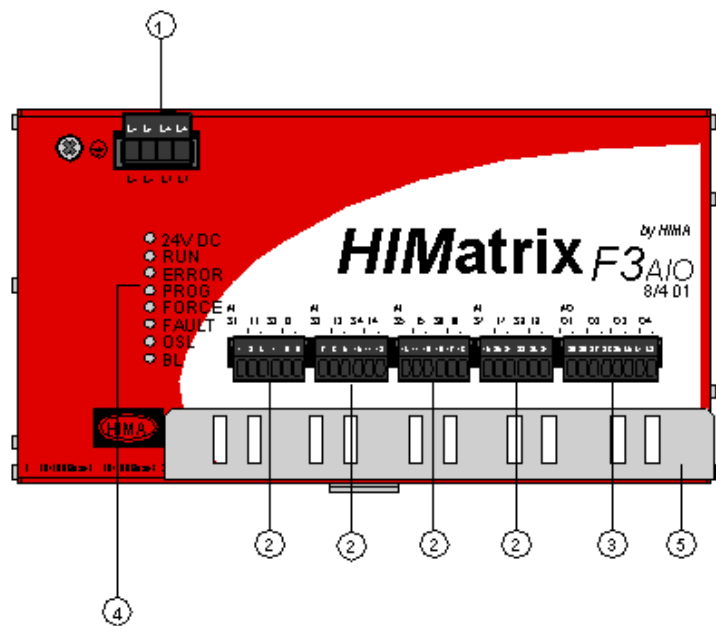
Well-being performance

 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

Presentation

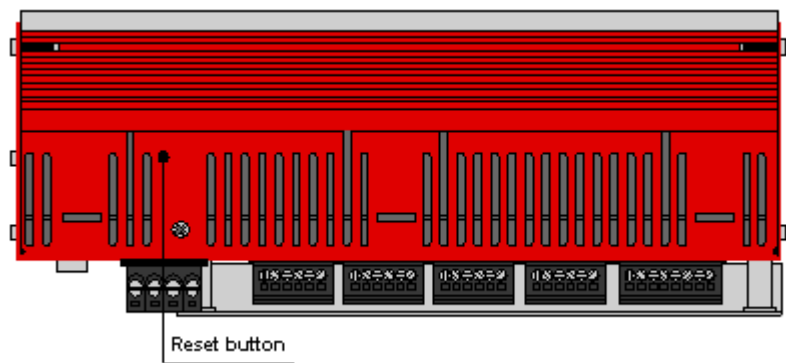
Housing Elements

Front View

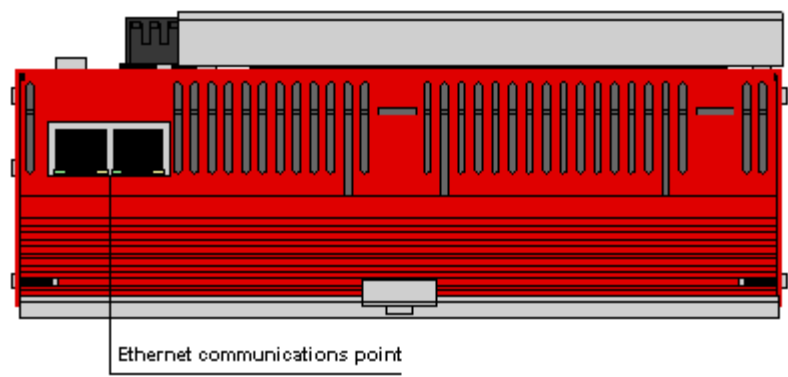


No.	Description
1	Power supply input
2	Analog inputs
3	Analog outputs
4	Indicators
5	Earth rail

Top View



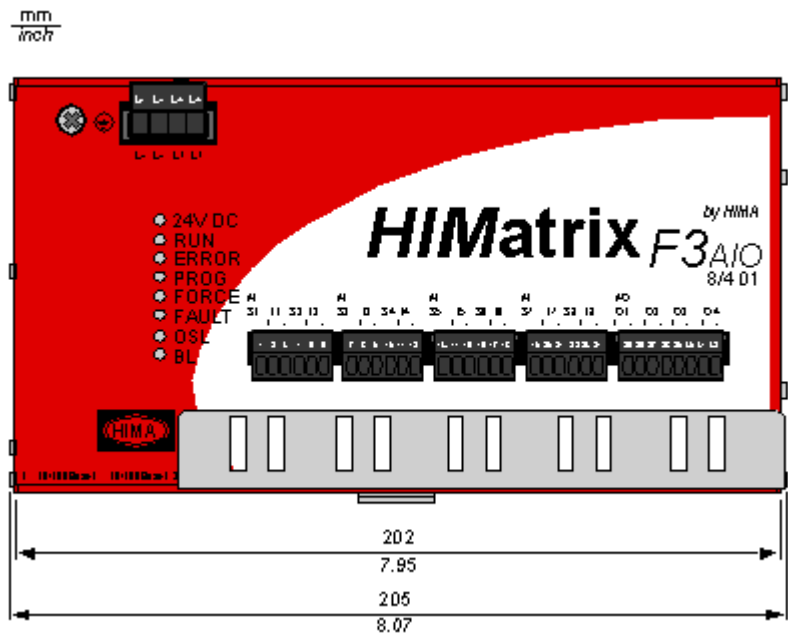
Bottom View



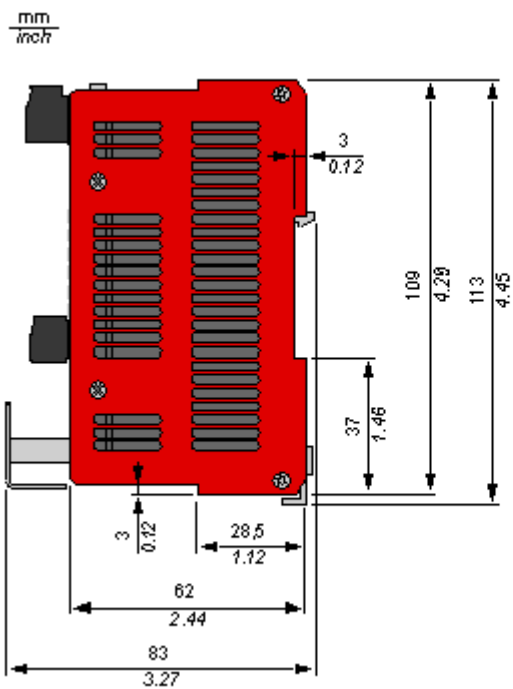
Dimensions Drawings

Dimensions

Front View



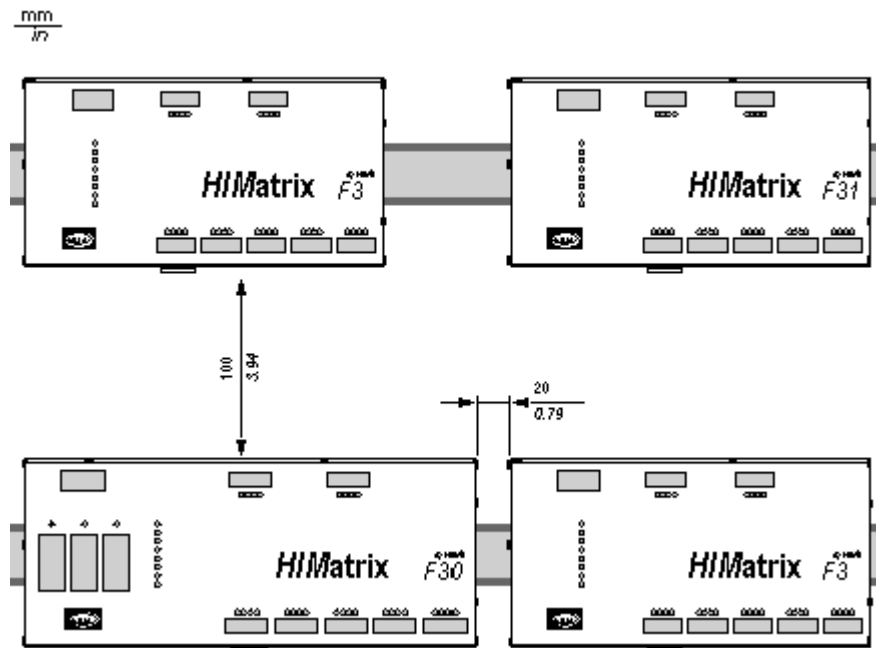
Side View



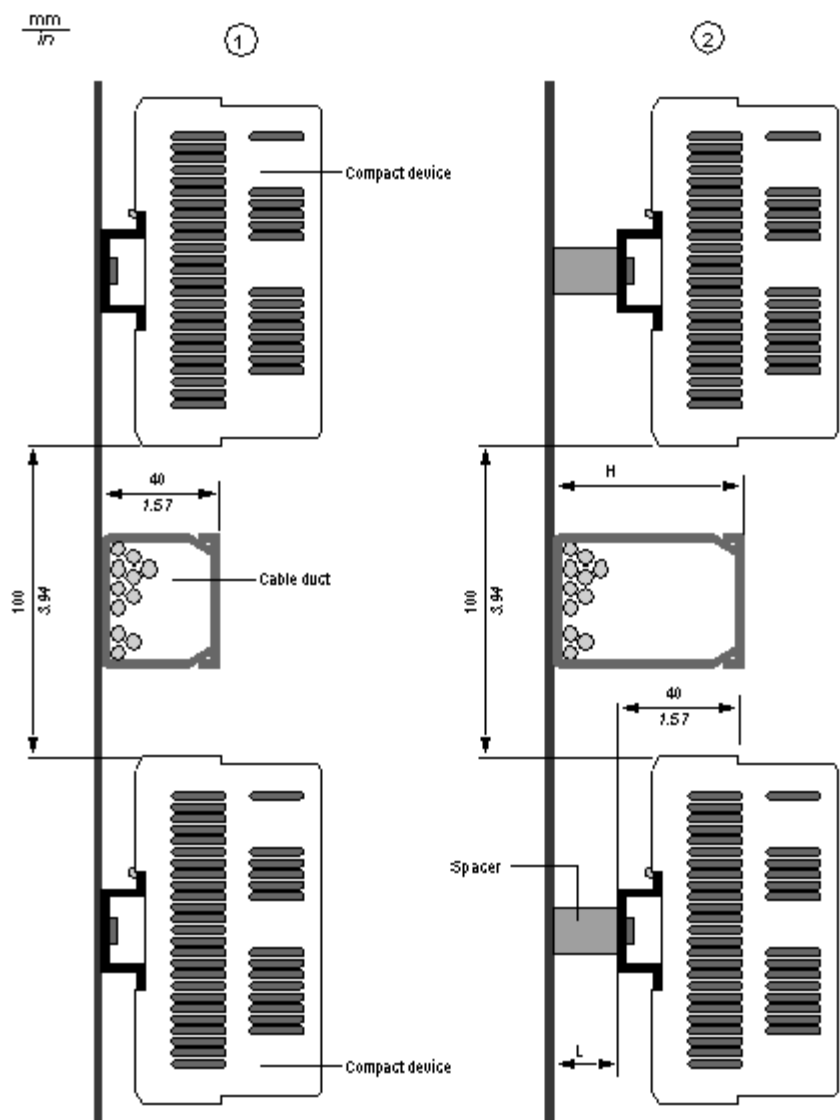
Mounting and Clearance

Mounting

Minimum Clearances

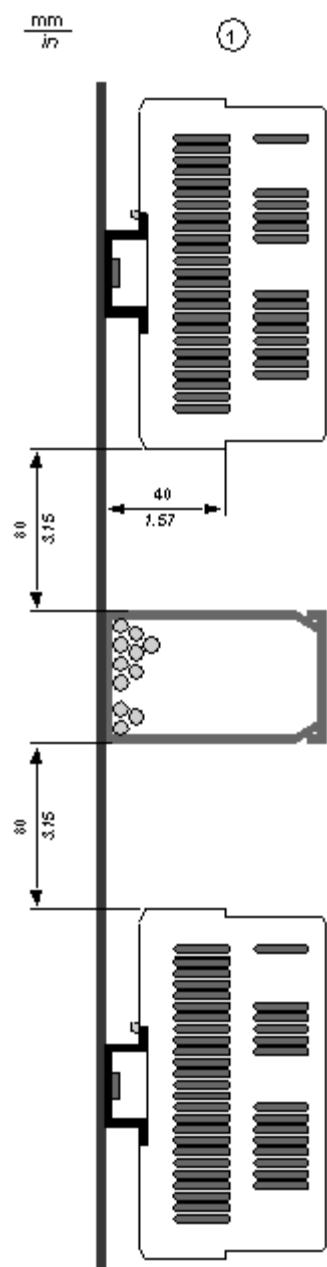


Air Circulation

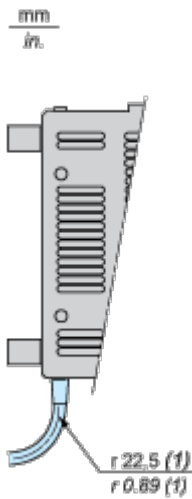


No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

L = H - 40 mm / 1.57 in.
L = length of the spacer
H = height of the cable duct
Minimum clearance when H > 40 mm/1.57 in. and no spacer



Mounting Precautions Relating to RJ45 Connector



(1) minimum value