

# Product datasheet

Specifications



## Preventa safety remote mixed I/O module - 20 I not isolated - 8 O not isolated

XPSMF3DIO20802

⚠ Discontinued on: 31 Dec 2019

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

⚠ Discontinued

EAN Code: 3389119010726

### 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
Function Of Module	Monitoring safety actuators for discrete input Monitoring safety actuators for discrete output Monitoring safety detection for discrete input Monitoring safety dialogue for discrete input
[Us] Rated Supply Voltage	24 V DC - 15...20 %
Supply	SELV or PELV conforming to EN/IEC 60950
Discrete Input Number	20 not isolated discrete input(s)
Discrete Output Number	8, not isolated
Structure Type	10BASE-T/100BASE-TX

### Complementary

Response Time	Depending on size of application
Voltage State 0 Guaranteed	<= 5 V for discrete input
Voltage State 1 Guaranteed	15...< 30 V for discrete input
Current State 0 Guaranteed	1.25...1.5 mA (discrete input)
Current State 1 Guaranteed	<= 2 mA (discrete input)
Discrete Input Voltage	20 V
Discrete Input Current	100 mA
Input Protection Type	Protected against short-circuit
Switching Voltage	7.5 V for discrete input
Discrete Output Voltage	24 V DC
Output Voltage Tolerance	+/- 2 %
Discrete Output Current	1 A at 60 °C (channels 4 and 8) 2 A at 50 °C (channels 4 and 8) 0.5 A at 60 °C (channels 1 to 3 and 5 to 7) <= 7 A (all channels)

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

Minimum Load	2 mA per channel
Maximum Leakage Current	1 mA, at 2 V at state 0 for discrete 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 2 for discrete input 2 for discrete output
Current Consumption	8 A at 24 V DC on power supply
Mounting Support	35 mm symmetrical DIN rail
Depth	66.5 mm
Height	109 mm
Width	207 mm
Net Weight	1 kg

## Environment

Ip Degree Of Protection	IP20
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-40...85 °C

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	16.0 cm
Package 1 Width	18.5 cm
Package 1 Length	29.5 cm
Package 1 Weight	1.409 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	12
Package 2 Height	77.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	30.416 kg
Unit Type Of Package 3	S04
Number Of Units In Package 3	3
Package 3 Height	30.0 cm
Package 3 Width	40.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	5.895 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-CO<sub>2</sub> 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 >](#)

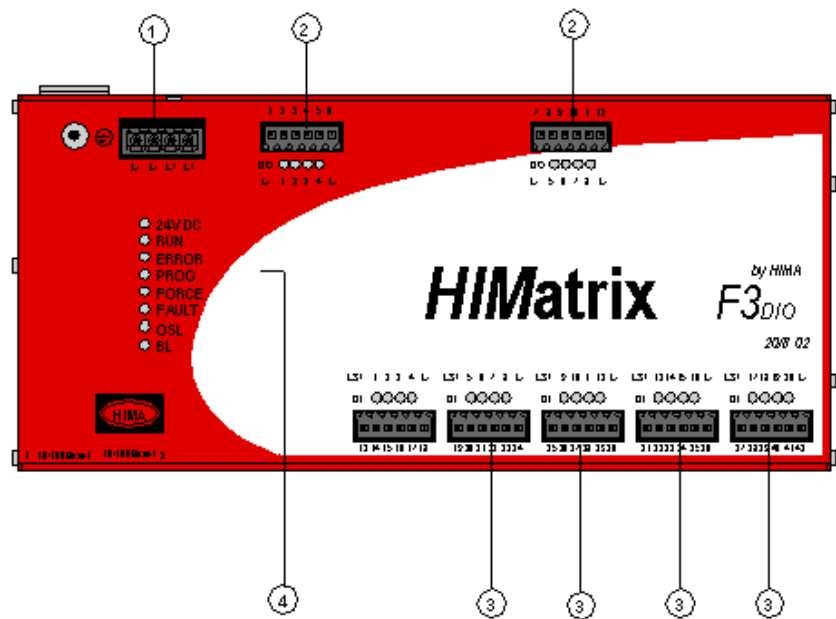
## Well-being performance

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

Presentation

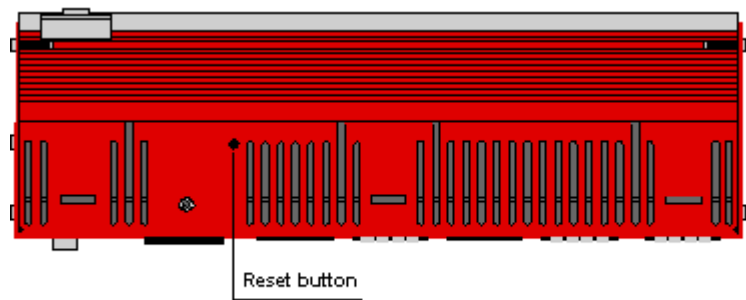
Housing Elements

Front View

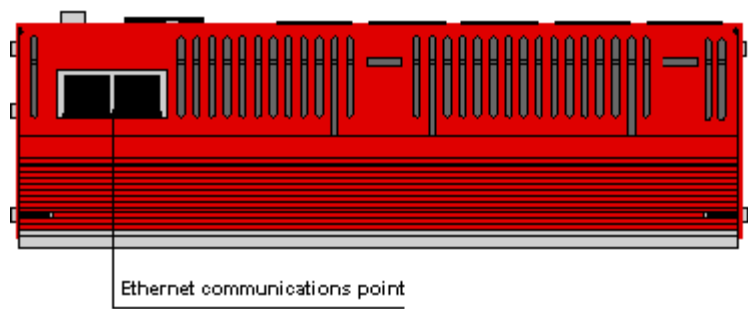


No.	Description
1	Power supply input
2	Digital outputs
3	Digital inputs
4	Indicators

Top View



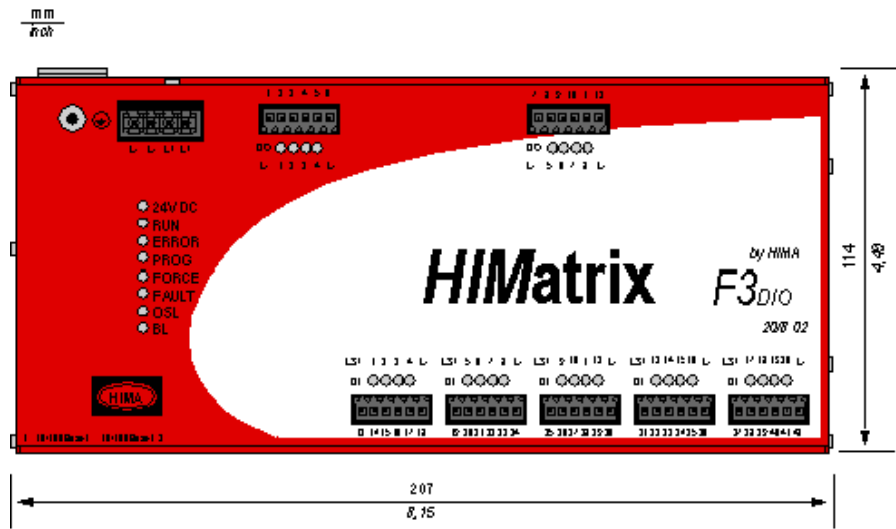
Bottom View



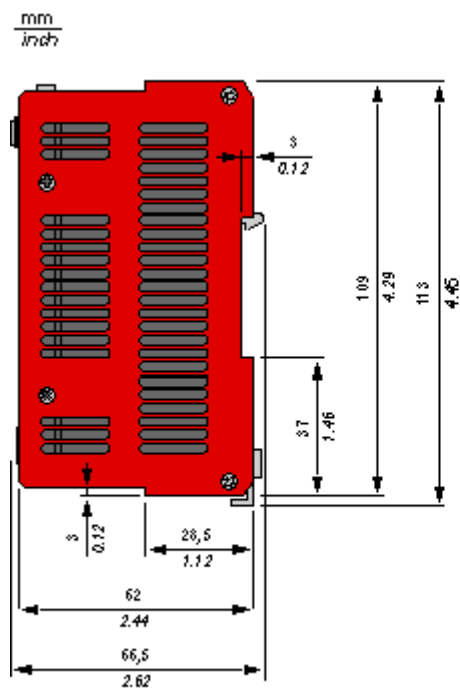
Dimensions Drawings

Dimensions

Front View



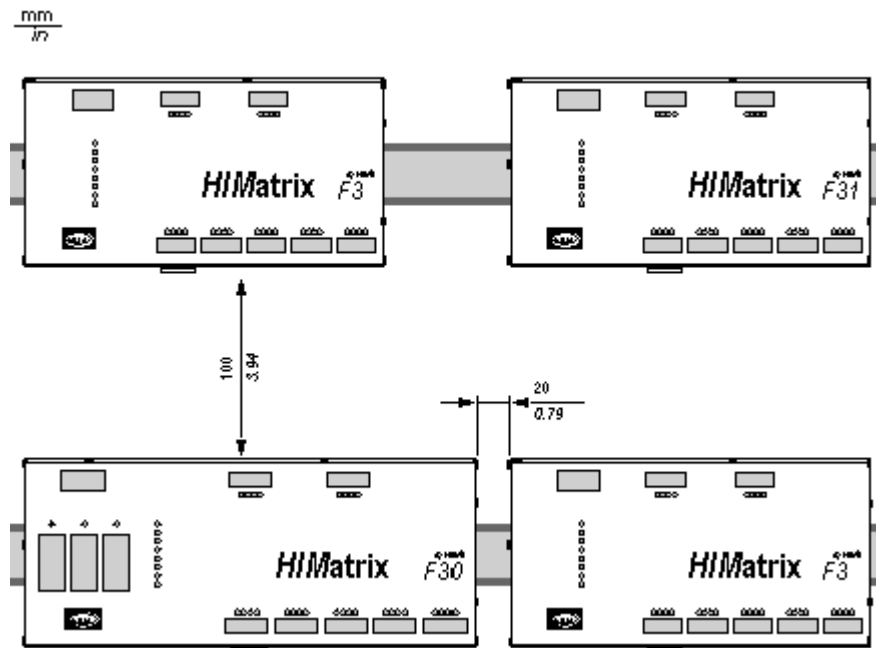
Side View



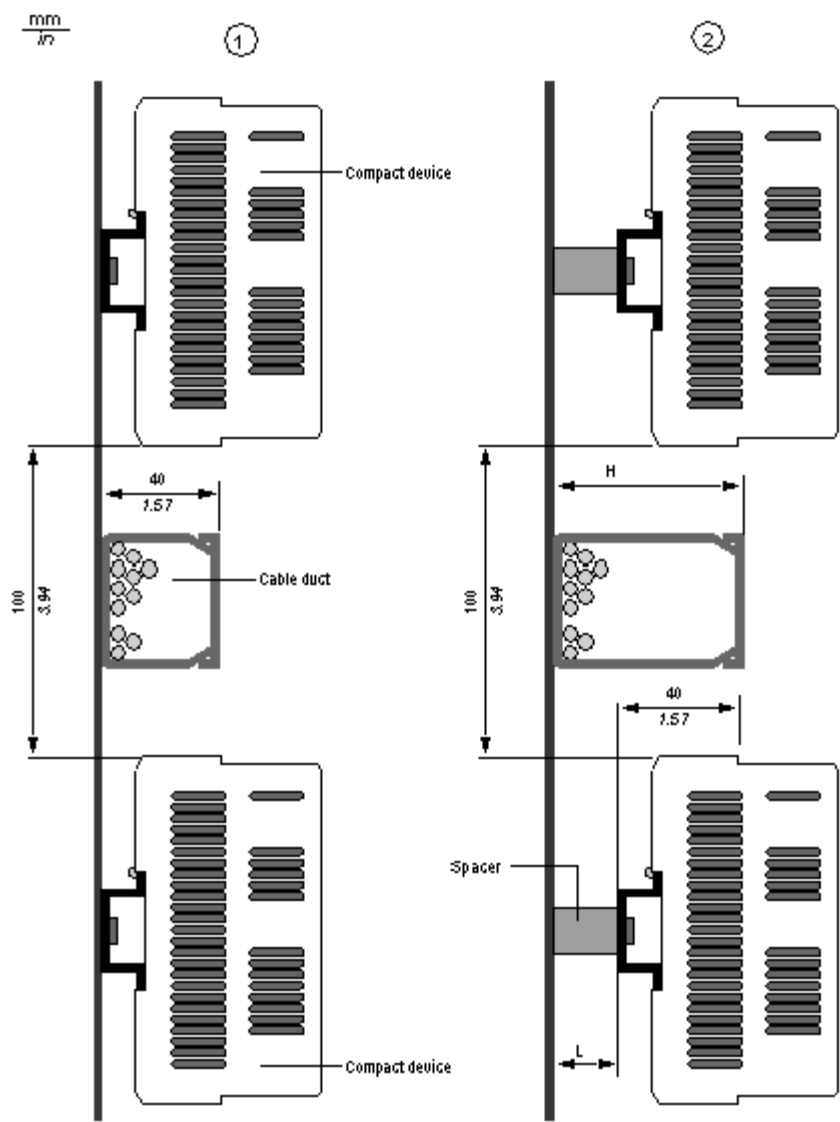
Mounting and Clearance

Mounting

Minimum Clearances



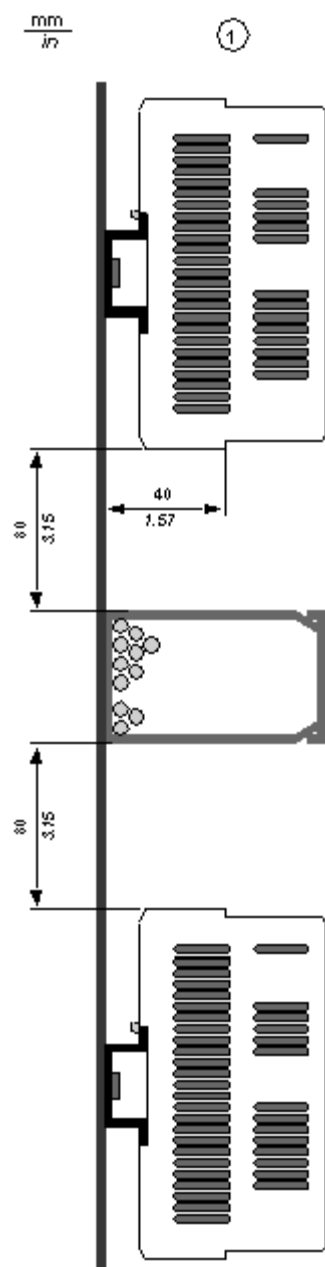
Air Circulation



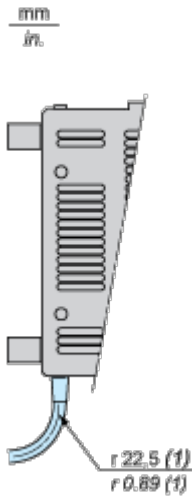
No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

**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