Product data sheet
Characteristics

XPSMF3AIO8401
Preventa safety remote mixed I/O module - 8 I not isolated - 4 O not isolated

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 Closed circuit scanning of input channels Measuring, using shunt, 0/4 to 20 mA currents
[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...10 V 0...20 mA with 500 Ohm shunt
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
Internal input resistance	<= 500 MOhm for signal source 2 Ohm
Maximum overvoltage on input	-4...15 V
Analogue output number	4
Analogue output type	Not isolated
Analogue output range	4...20 mA
Output current limits	0...20 mA
Analogue output resolution	12 bits
Load impedance ohmic	<= 600 Ohm for analogue output
Relative error	+/- 1 %
Length	<= 300 mm between station for analogue input circuit <= 300 mm between station for 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
Product weight	0.95 kg

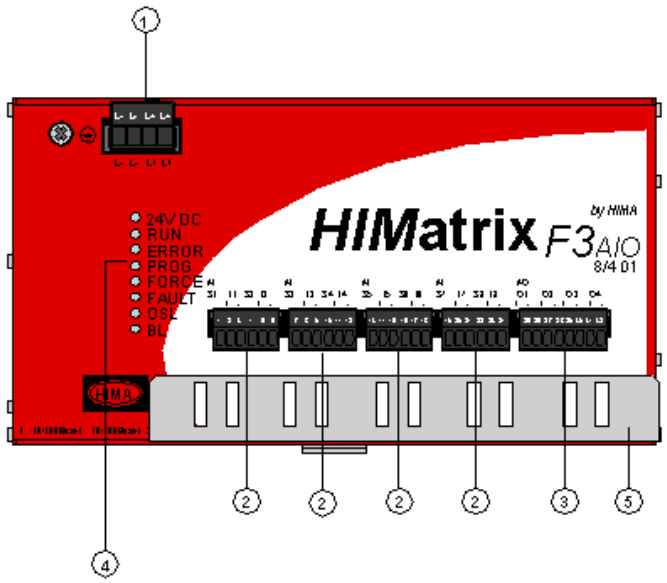
Environment

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

XPSMF3AIO8401

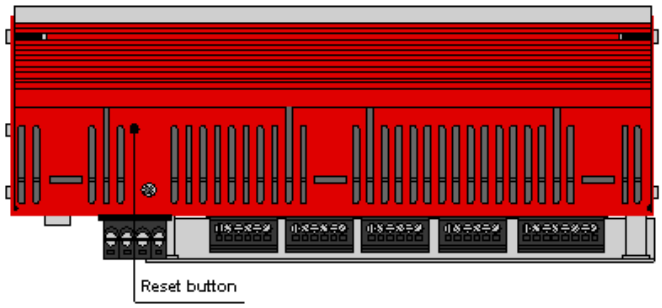
Housing Elements

Front View

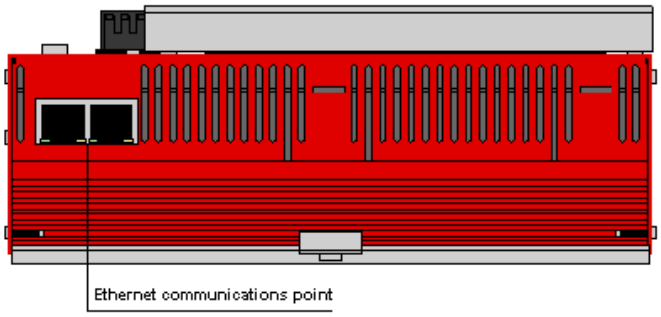


No.	Description
1	Power supply input
2	Analog inputs
3	Analog outputs
4	Indicators
5	Earth rail

Top View



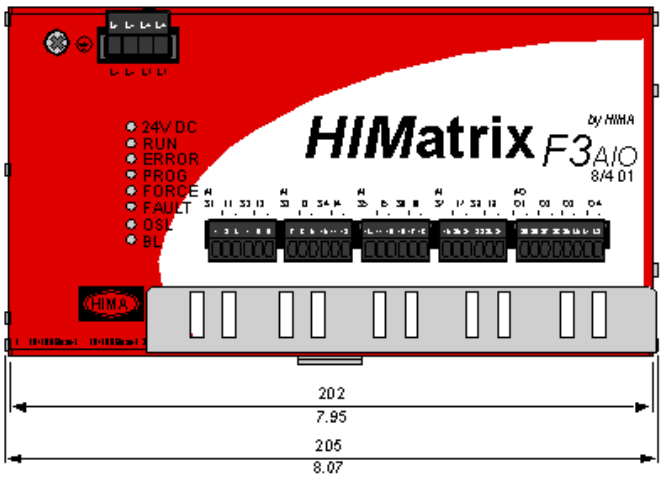
Bottom View



Dimensions

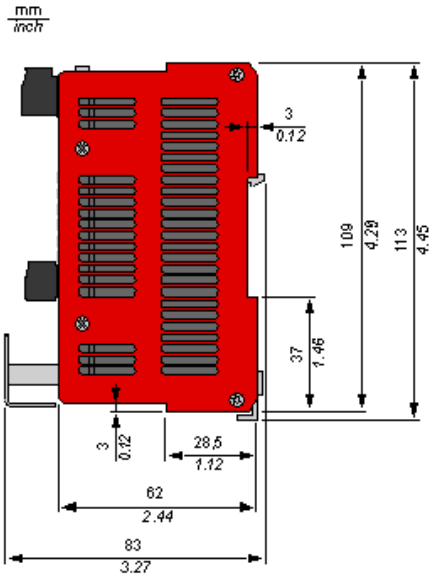
Front View

mm
inch



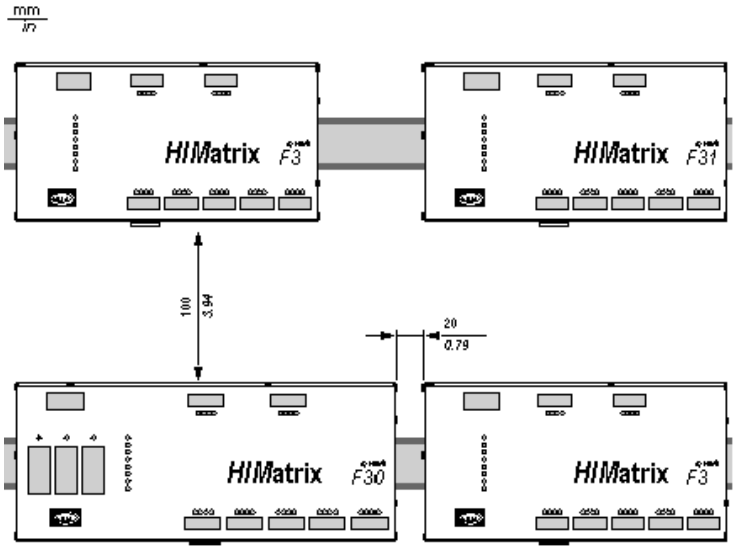
Side View

mm
inch

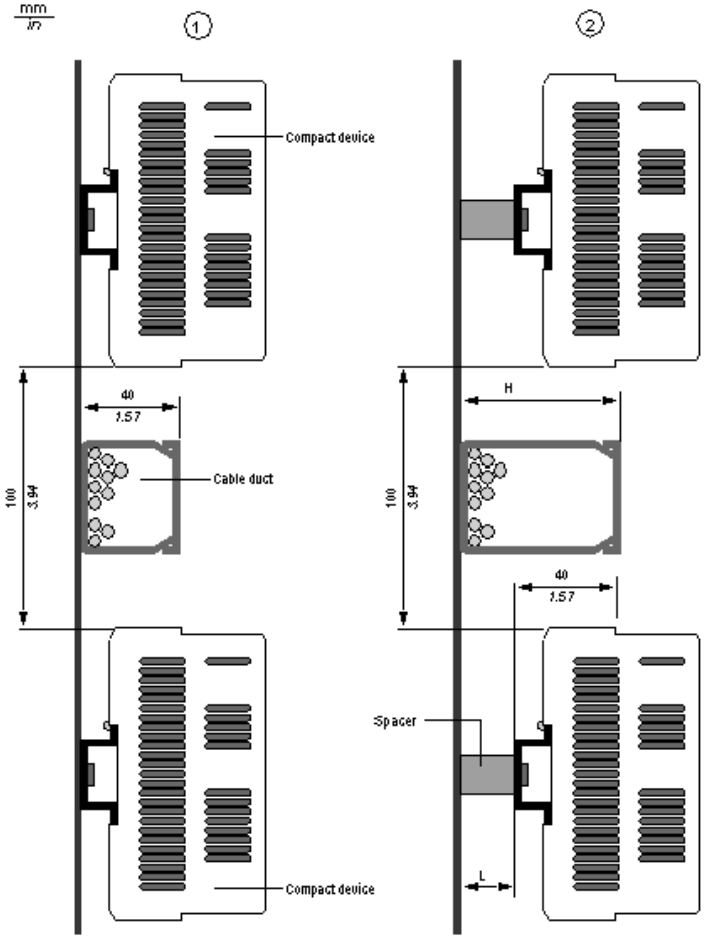


Mounting

Minimum Clearances



Air Circulation



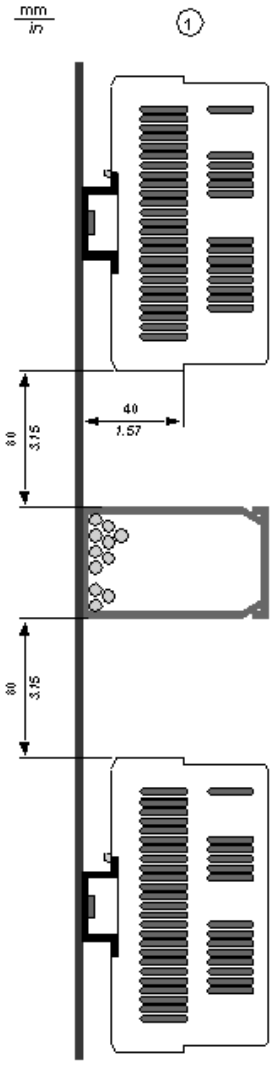
No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

L = H - 40 mm / 1.57 in.

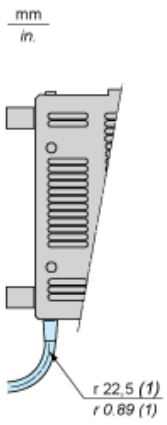
L = length of the spacer

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