XPSMF1DI1601

Preventa safety remote input module - 16 I not isolated

Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety remote input module
Safety module name	XPSMF1
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 detection for discrete input Monitoring safety dialogue for discrete input Monitoring short-circuit and line break for remote line control output
[Us] rated supply voltage	24 V DC - 15...20 %
Supply	SELV or PELV conforming to EN/IEC 60950
Discrete input number	16 not isolated discrete input(s)
Number of outputs	4 not isolated for line control outputs
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 V for discrete input
Current state 0 guaranteed	1...1.5 mA (discrete input)
Current state 1 guaranteed	>= 2 mA (discrete input)
Discrete input voltage	19.2 V
Discrete input current	40 mA
Input protection type	Protected against short-circuit
Output voltage	20 V line control outputs
Nominal output current	60 mA for line control outputs
Switching voltage	7.5 V for discrete input
Switching time	250 µs for discrete input
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 discrete output 1 for power supply 4 for discrete input
Current consumption	0.8 A at 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Depth	66.5 mm
Height	109 mm
Width	152 mm
Net weight	0.7 kg

Environment

IP degree of protection	IP20
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	16.0 cm
Package 1 Width	18.5 cm
Package 1 Length	29.0 cm
Package 1 Weight	1.377 kg

Offer Sustainability

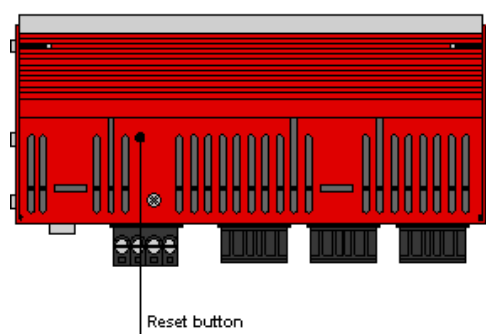|	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months

Housing Elements

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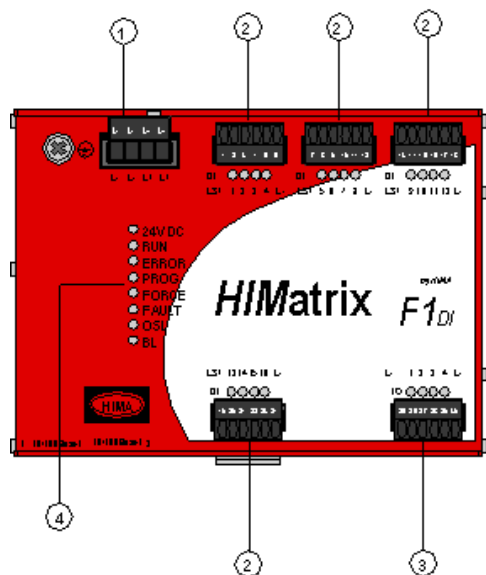
No.	Description
1	Power supply input
2	Digital inputs
3	Pulsed outputs
4	Indicators

Top View

Reset button

Bottom View

Ethernet connections

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Dimensions

Front View

$\frac{mm}{inch}$

149
5.87

152
5.98

Side View

$\frac{mm}{inch}$

3
0.12

109
4.29

113
4.45

37
1.46

3
0.12

28,5
1.12

62
2.44

76
2.99

77
3.03

XPSMF1DI1601
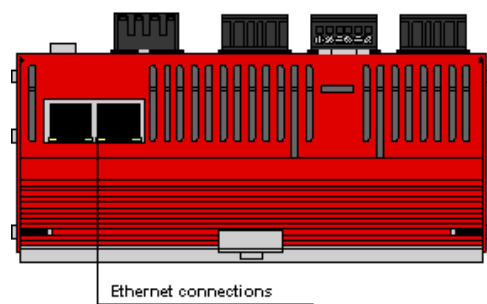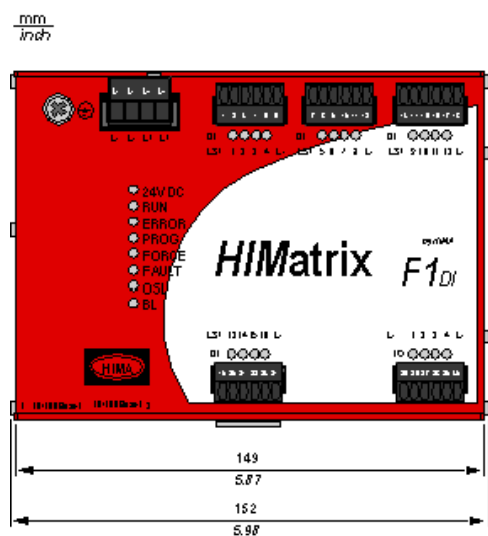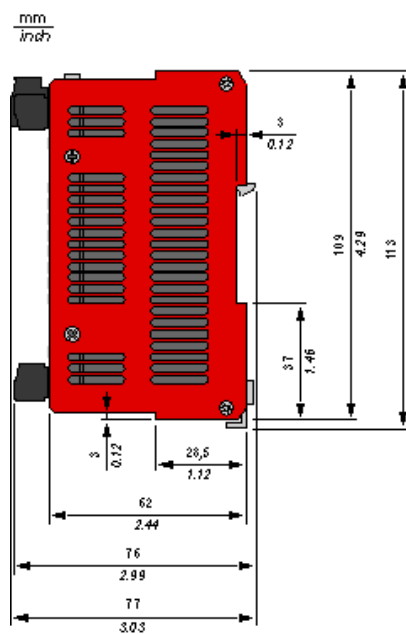
Mounting

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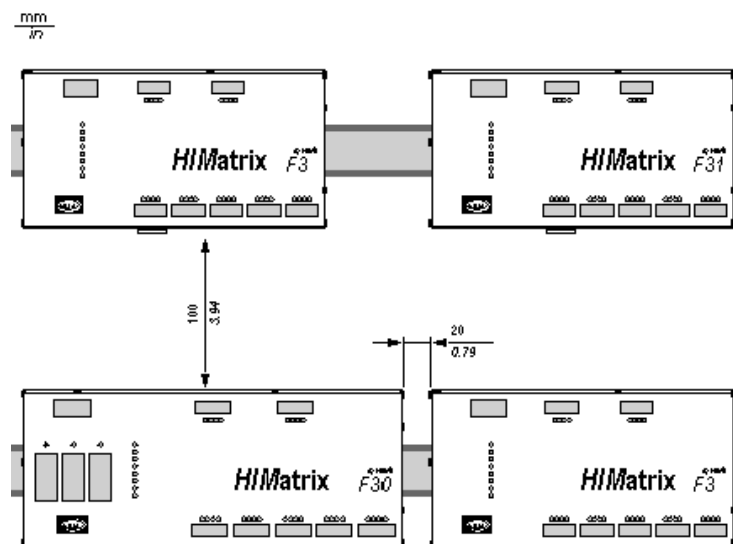
Air Circulation
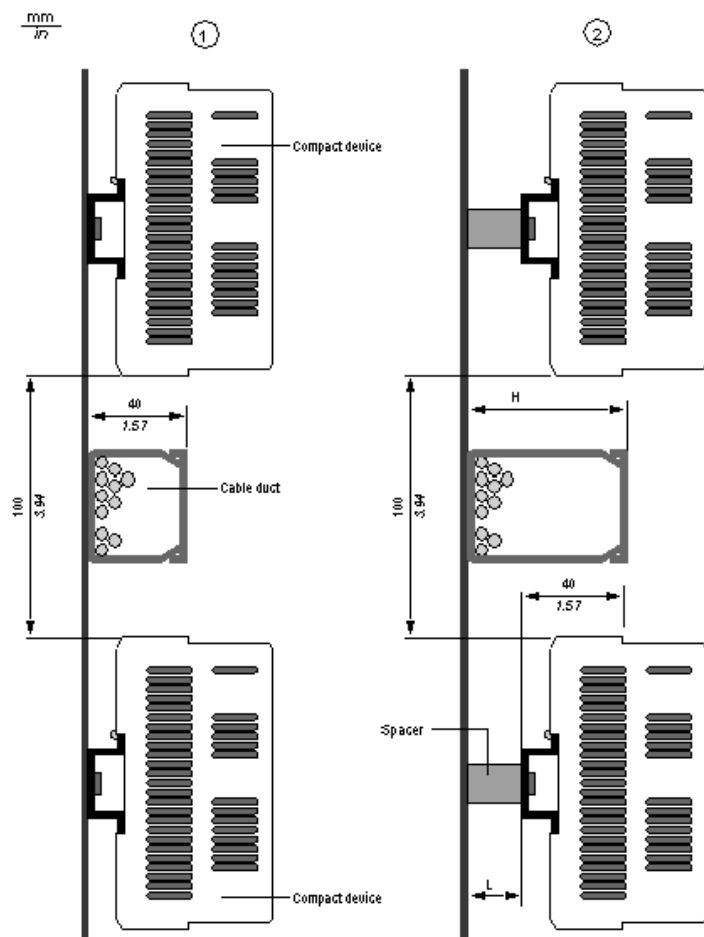
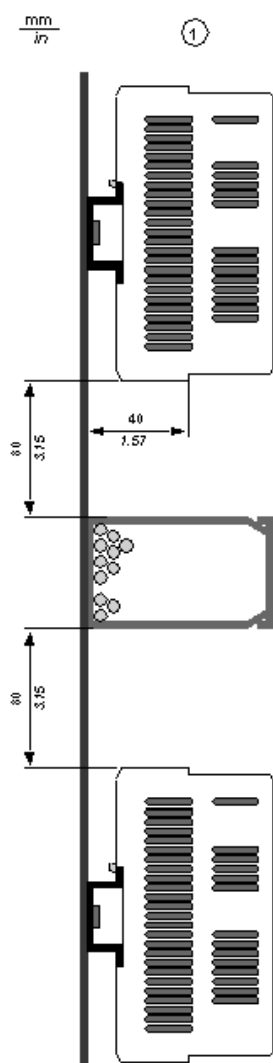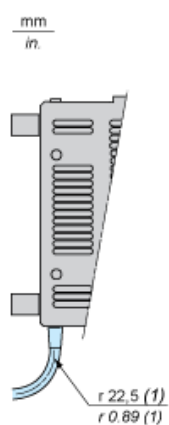| No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

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

$\frac{mm}{in}$ ①

Mounting Precautions Relating to RJ45 Connector

$\frac{mm}{in.}$

r 22,5 *(1)*
r 0.89 *(1)*

(1)   minimum value