



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 discrete input Monitoring safety actuators discrete output Monitoring safety detection discrete input Monitoring safety dialogue 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 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	≤ 7 A (all channels) 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)
Minimum load	2 mA per channel
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
Product weight	1 kg

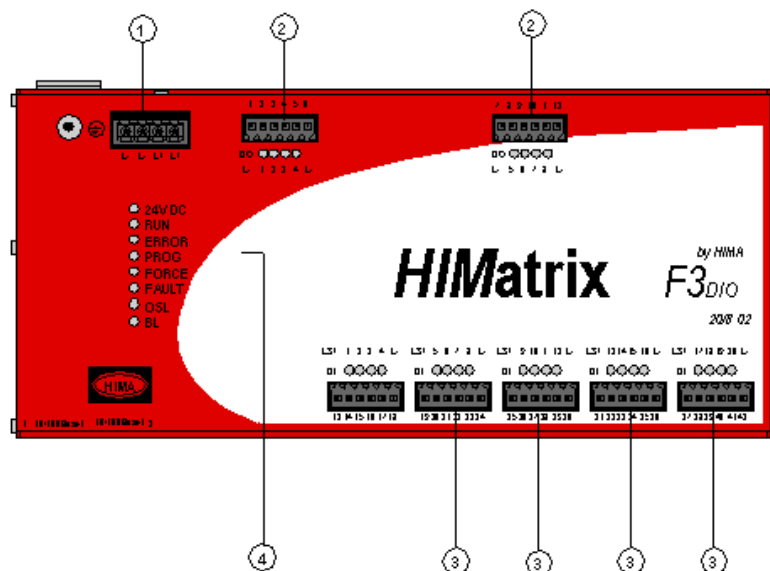
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Environment

IP degree of protection	IP20
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C

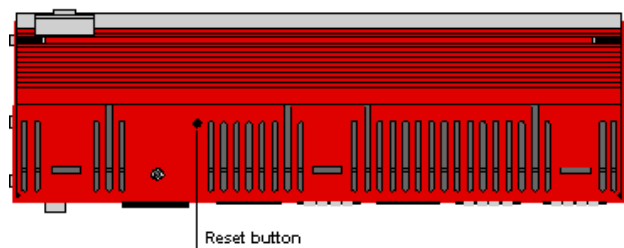
Housing Elements

Front View

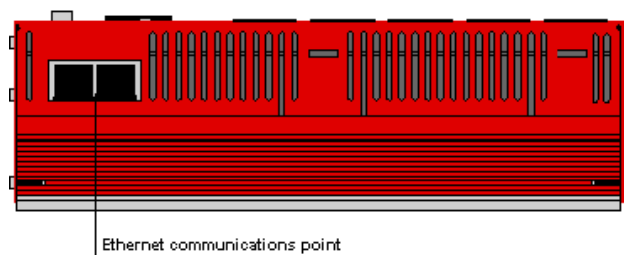


No.	Description
1	Power supply input
2	Digital outputs
3	Digital inputs
4	Indicators

Top View

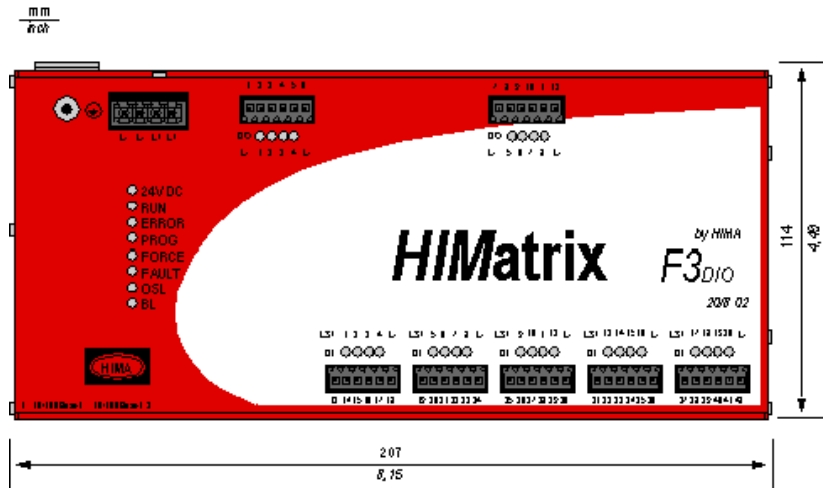


Bottom View

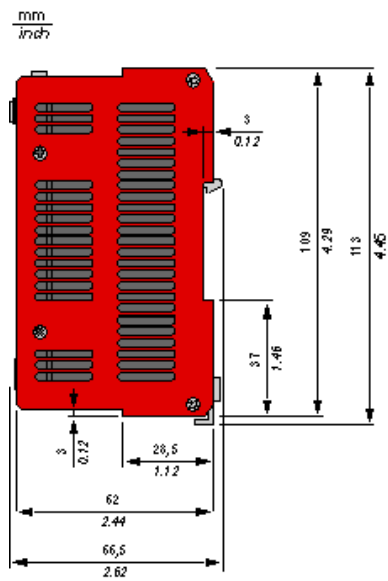


Dimensions

Front View

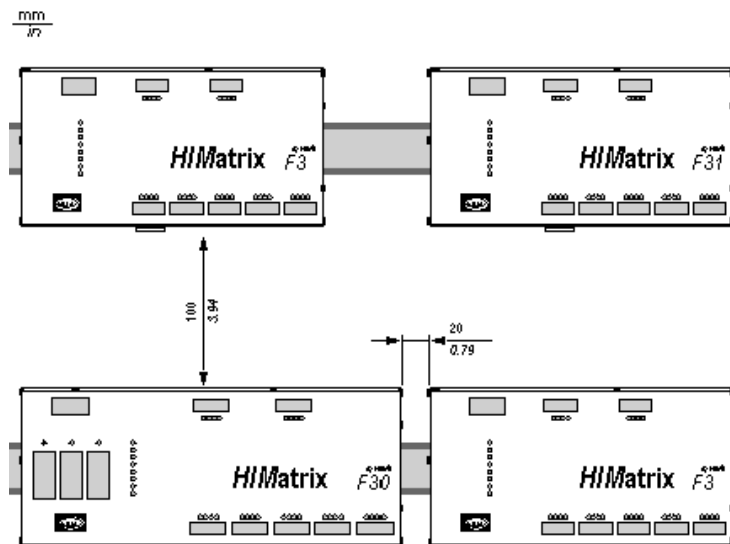


Side View

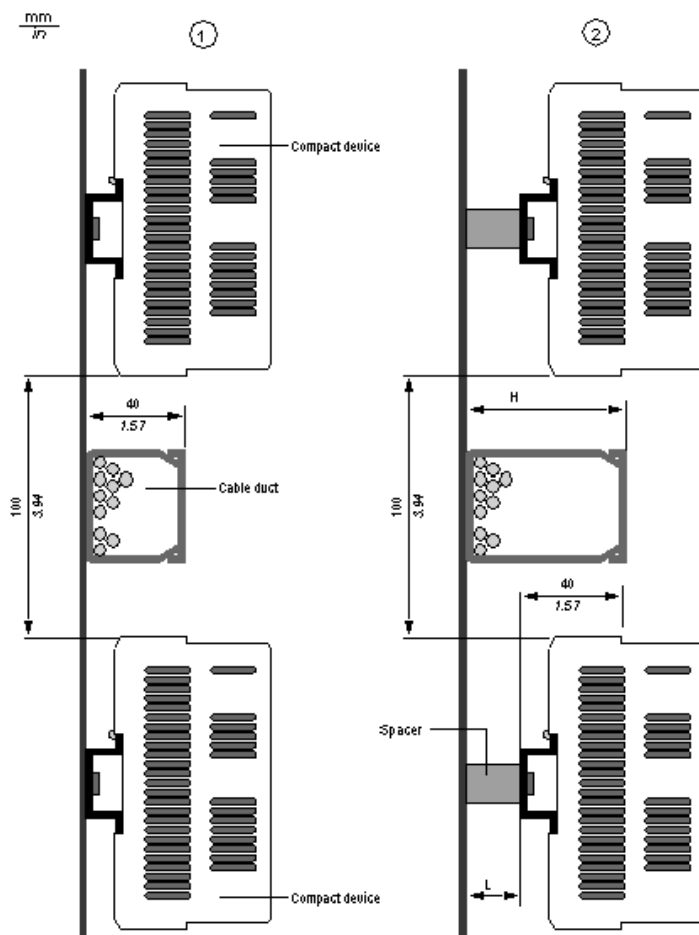


Mounting

Minimum Clearances



Air Circulation



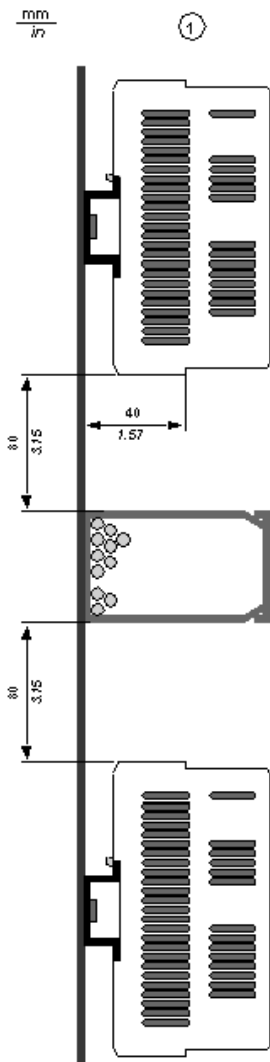
No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

L = H - 40 mm / 1.57 in.

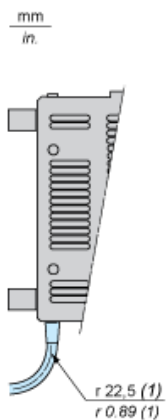
L = length of the spacer

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