



Main

Range of product	Preventa Safety automation
Product or component type	Preventa safety remote output relay module
Safety module name	XPSMF2
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 Monitoring safety dialogue
[Us] rated supply voltage	24 V DC (- 15...20 %)
Supply	SELV or PELV conforming to EN/IEC 60950
Number of outputs	16 relay
Structure type	10BASE-T/100BASE-TX

Complementary

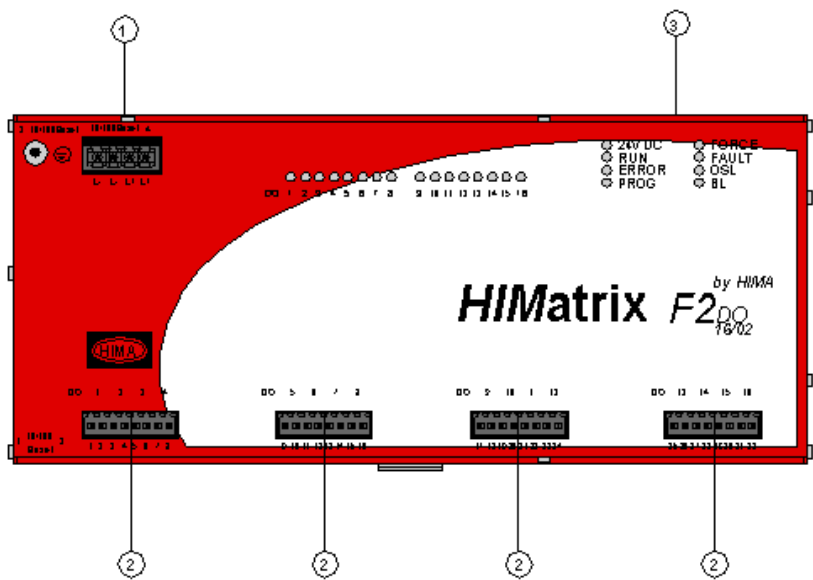
Response time	Depending on size of application
Associated fuse rating	10 A, slow-blow
Output type	Relay, with 2 NO per output, volt-free
Switching voltage	≥ 5 V/30 V AC for output relay ≥ 5 V/60 V DC for output relay
Switching current capacity	3.15 A/100 A with internal fuse relay output
Switching capacity in VA	≤ 48 VA, $\cos \varphi = \geq 0.5$ for relay output
Switching capacity in W	≥ 90 / ≥ 30 V for relay output
Contacts material	Silver alloy (Ag/Ni) for relay output
Electrical durability	≥ 250000 cycles for relay output
Mechanical durability	≥ 1000000 cycles for relay 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 4 for relay output
Current consumption	0.6 A at 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Depth	113.5 mm
Height	109 mm
Width	255 mm
Product weight	2 kg

Environment

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

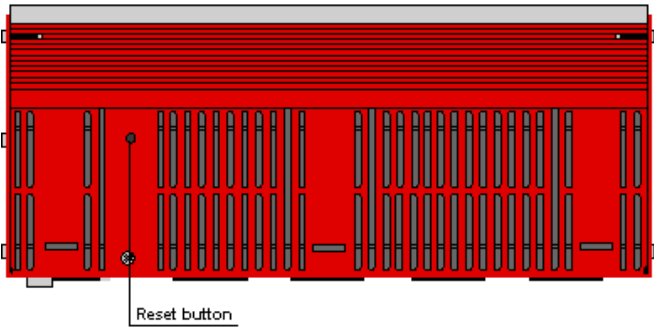
Housing Elements

Front View

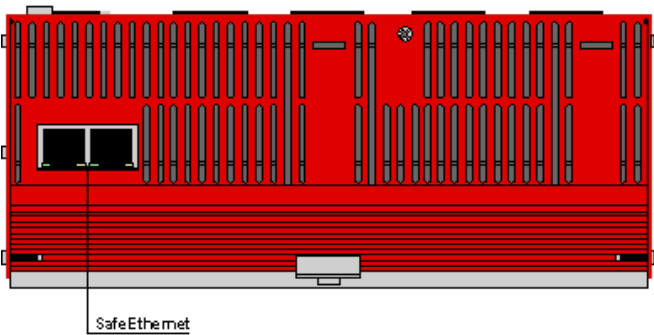


No.	Description
1	Power supply input
2	Digital outputs
3	Indicators

Top View

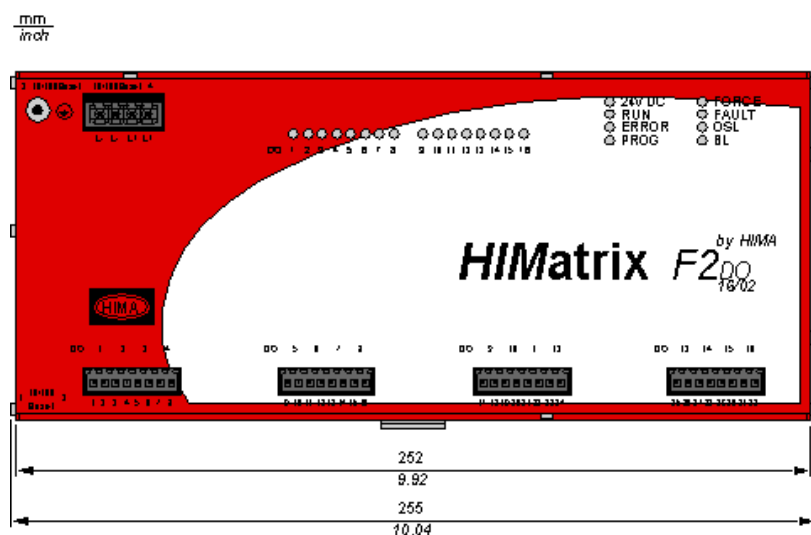


Bottom View

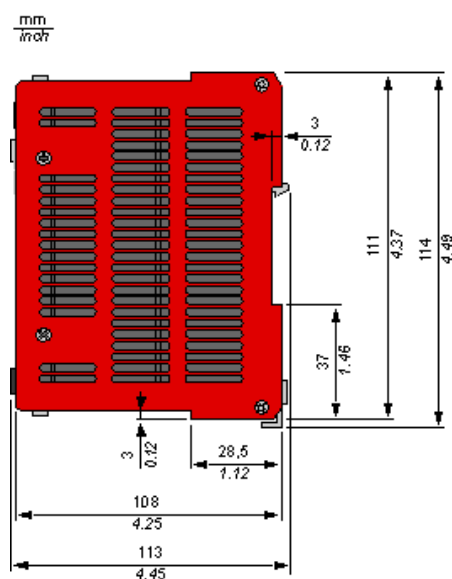


Dimensions

Front View

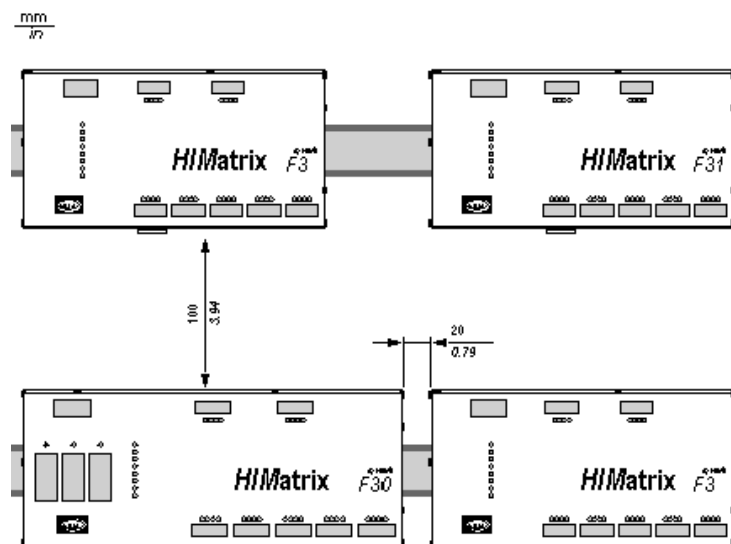


Side View

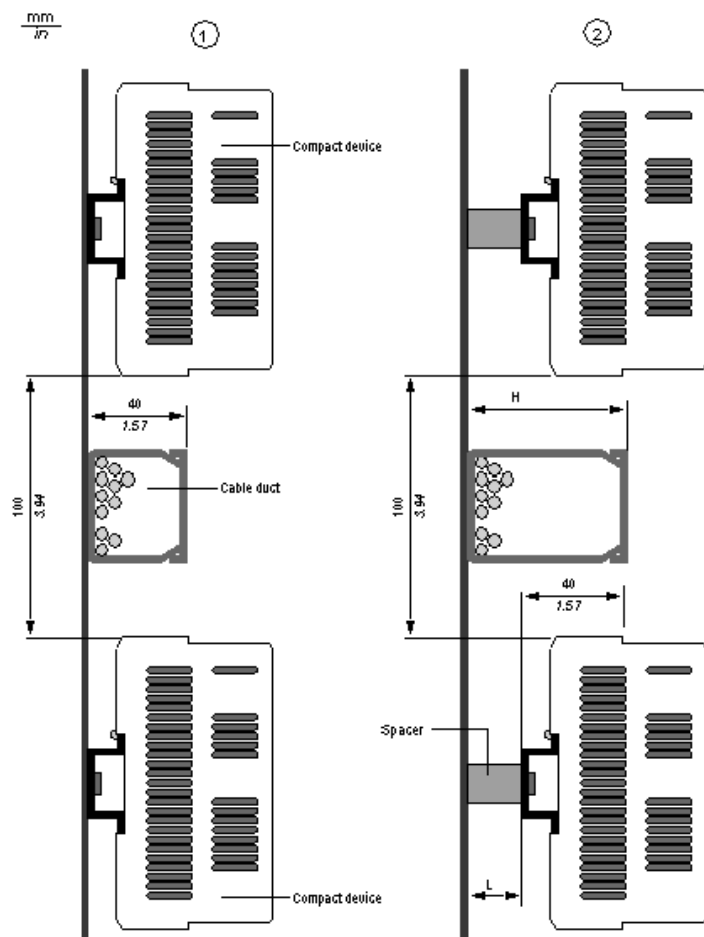


Mounting

Minimum Clearances



Air Circulation



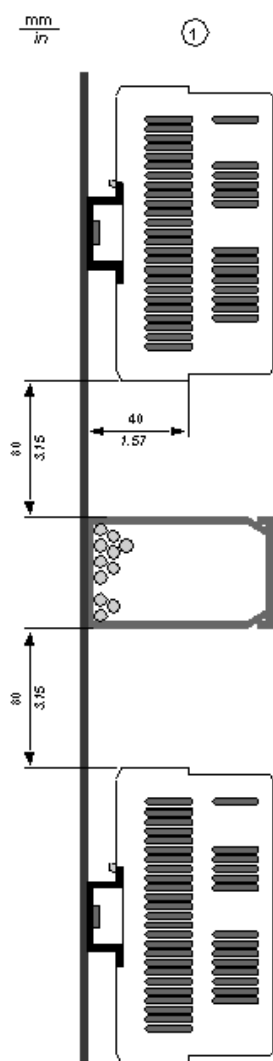
No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

$L = H - 40 \text{ mm} / 1.57 \text{ in.}$

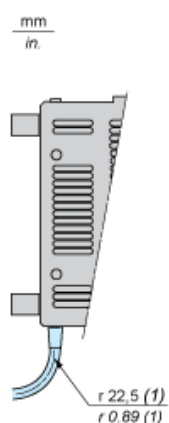
L = length of the spacer

H = height of the cable duct

Minimum clearance when $H > 40 \text{ mm} / 1.57 \text{ in.}$ and no spacer



Mounting Precautions Relating to RJ45 Connector



(1) minimum value