



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	8 relay
Structure type	10BASE-T/100BASE-TX

Complementary

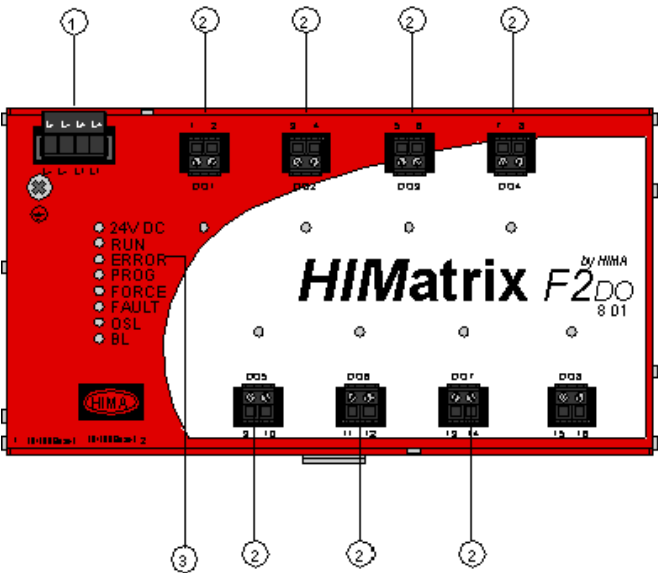
Response time	Depending on size of application
Associated fuse rating	10 A, slow-blow
Output type	Relay, with 2 NO per output, volt-free
Switching voltage	≥ 5 V/250 V AC for output relay ≥ 5 V/250 V DC for output relay
Switching current capacity	3 A/100 A with internal fuse relay output
Switching capacity in VA	≤ 240 VA, $\cos \varphi = \geq 0.5$ for relay output
Switching capacity in W	$\geq 30/\geq 127$ V for relay output $\geq 35/\geq 70$ V for relay output $\geq 90/\geq 30$ 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 8 for relay output
Current consumption	0.6 A at 24 V DC on power supply
Mounting support	35 mm symmetrical DIN rail
Depth	86.5 mm
Height	109 mm
Width	207 mm
Product weight	1.3 kg

Environment

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

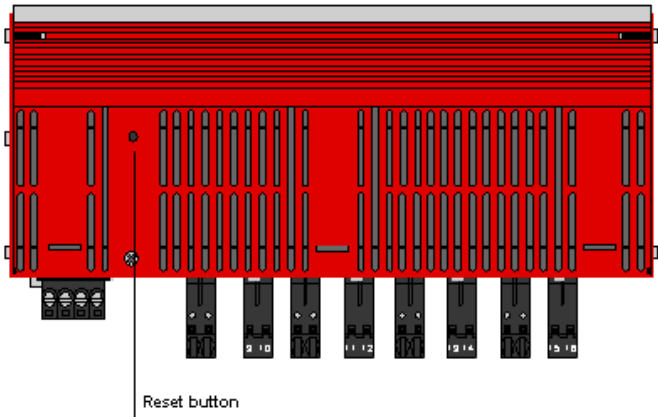
Housing Elements

Front View

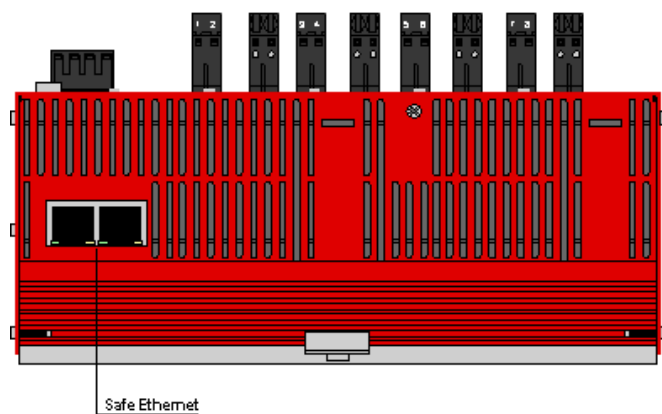


No.	Description
1	Power supply input
2	Relay outputs
3	Indicators

Top View



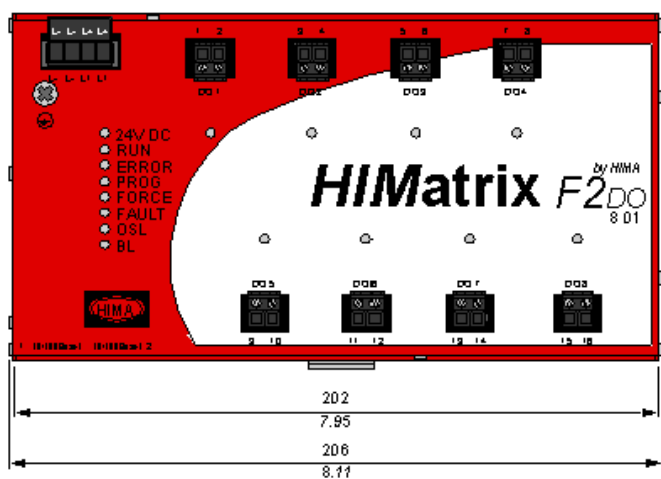
Bottom View



Dimensions

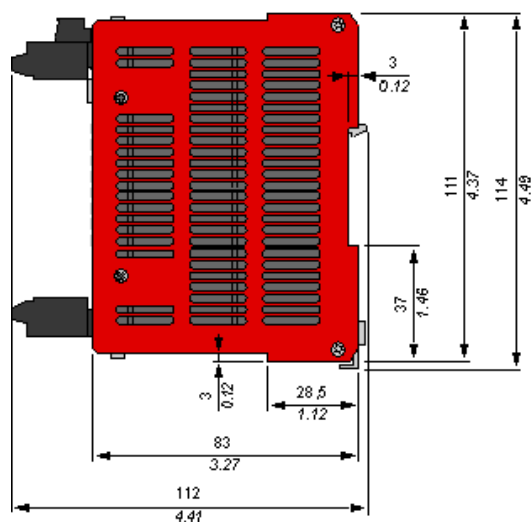
Front View

mm
inch



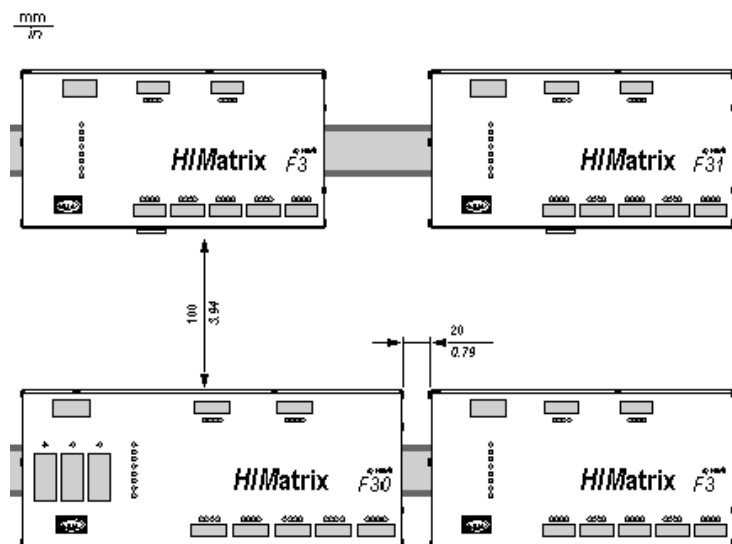
Side View

mm
inch

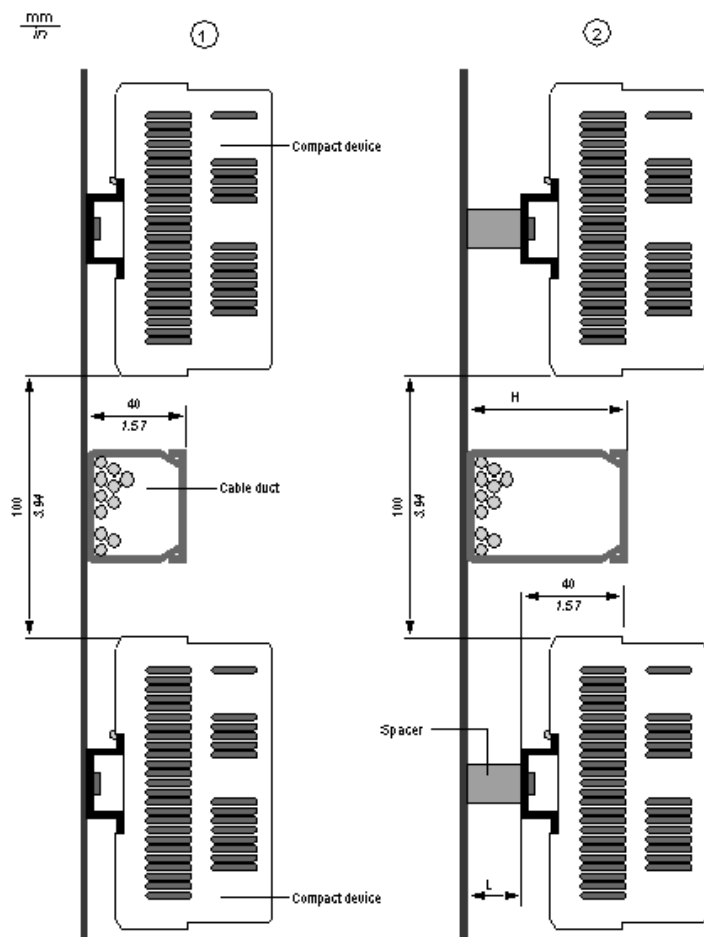


Mounting

Minimum Clearances



Air Circulation



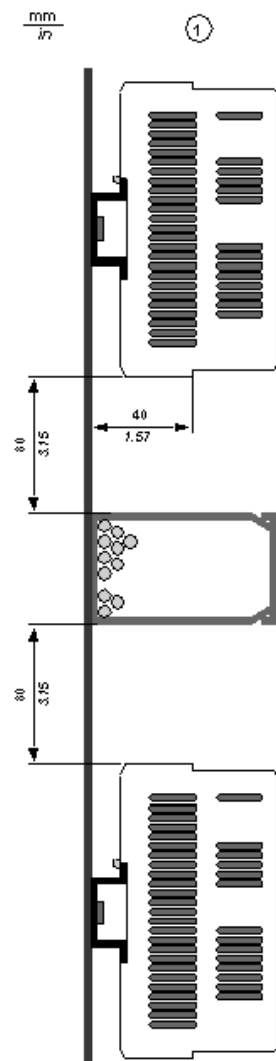
No.	Description
1	The height of the cable ducts is less than 40 mm / 1.57 in.
2	The height of the cable ducts is greater than 40 mm / 1.57 in.

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

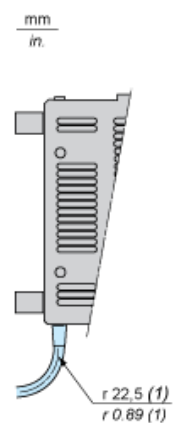
L = length of the spacer

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