

Product datasheet

Specifications



M172 IloT Secure Interface Plug-in

TM172SIP

Main

Range of product	Modicon M171/M172
Product or component type	Communication module
Concept	Modbus
Communication port protocol	Modbus TCP/IP HTTPS FTPS NTP SMTPS SNMP v2 SNMP v3 MQTT over TLS

Complementary

Power consumption in W	8 W
Integrated connection type	2 Ethernet TCP/IP 2 x RJ45 in parallel - ethernet cable - embedded HTTPS server 1 USB (V2.0) port USB host port type A 1 USB (V2.0) port USB device port type mini-B
Transmission rate	10/100/1000 Mbps for connecting Ethernet network
Physical interface	10 BASE-T/100 BASE-TX/1000 BASE-T - 10/100/1000 BASE-TX
Memory description	Internal RAM 256 MB Flash 512 MB
Supply	External power supply
Local signalling	LED (green) for power ON LED (red) for USER (programmable) LED (yellow) for USER (programmable) LED (green) for USER (programmable)
Product compatibility	Logic controller M172
Overvoltage category	I
Width	110 mm
Height	60 mm
Depth	72 mm
Net weight	0.165 kg

Environment

Product certifications	cURus CSA EAC CE RCM UKCA UL 94
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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

IP degree of protection	IP20
Ambient air temperature for operation	-20...55 °C
Ambient air temperature for storage	-30...70 °C
Relative humidity	5...95 % non-condensing
Pollution degree	2
Shock resistance	1 g for 11 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.000 cm
Package 1 Width	9.200 cm
Package 1 Length	13.300 cm
Package 1 Weight	216.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.522 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	140 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	20 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	119 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	D8362b3a-4f57-4147-a612-14f82aa349fe

Use Longer

 Lifetime extension	
Repair	No
Updatability	Yes

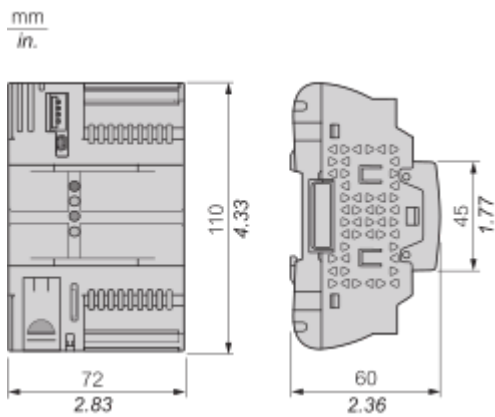
Use Again

 Repack and remanufacture	
Recyclability potential, in %	8
End of life manual availability	End of Life Information
Removable battery	Yes
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

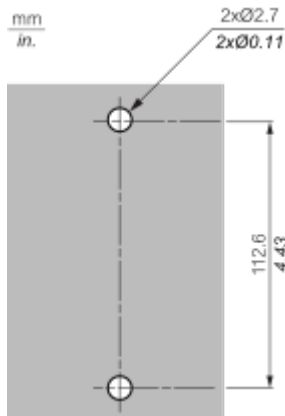
Dimensions Drawings

Dimensions Drawings

Dimension



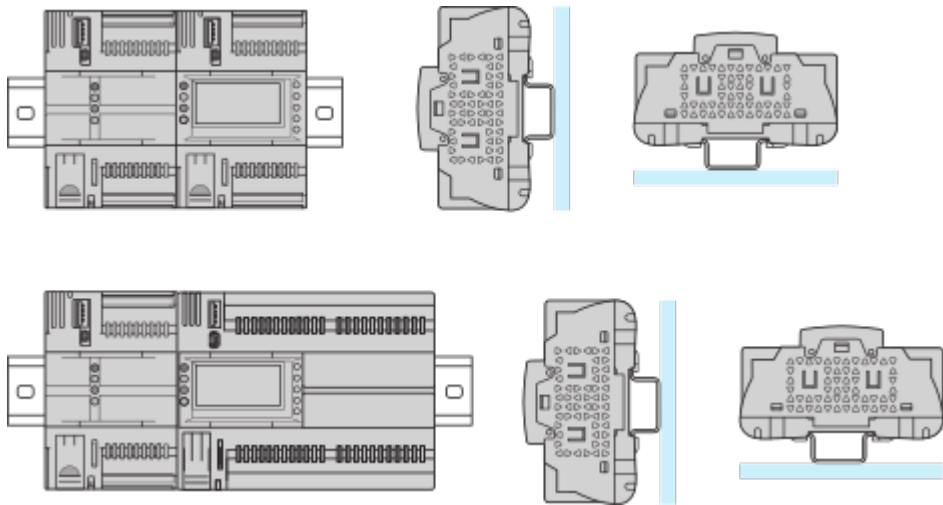
Mounting Holes Layout



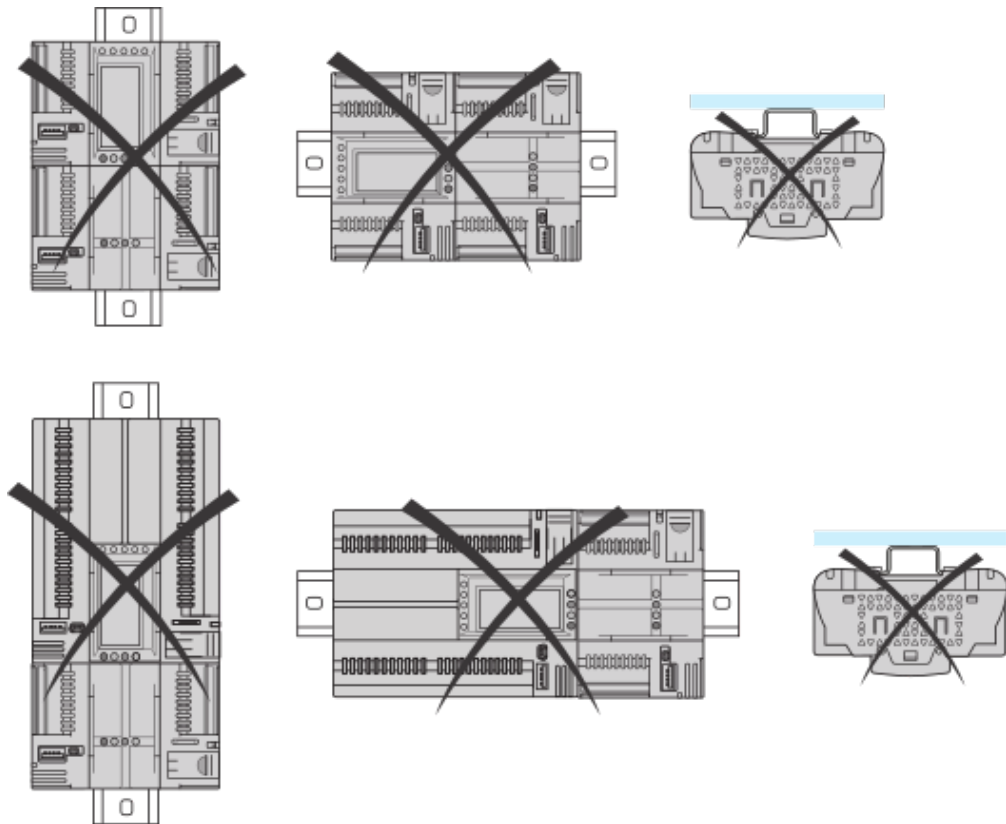
Mounting and Clearance

Mounting Positions

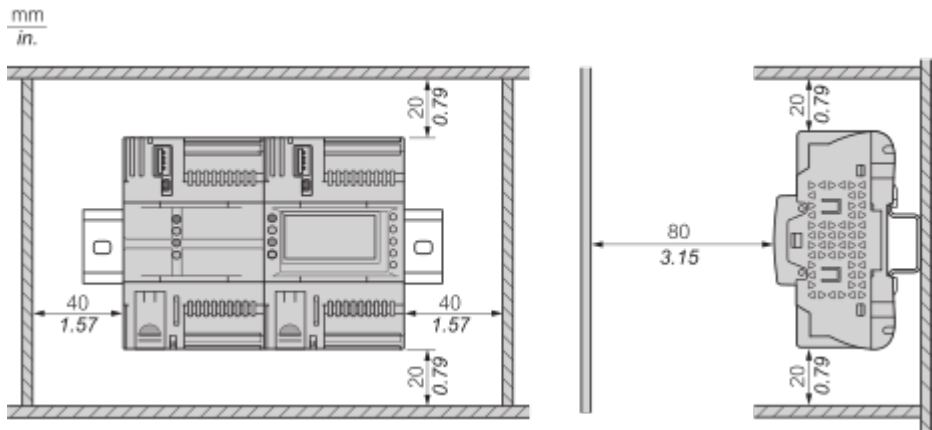
Correct Mounting Position



Incorrect Mounting Position



Clearance



Connections and Schema

Power Supply

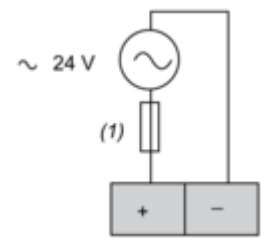
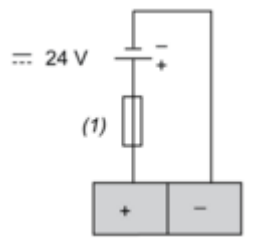
24 Vac	24 Vdc
	
(1) Type T fuse 2 A	

Image of product / Alternate images

Alternative

