Product data sheet
Characteristics

TM172SIG
M172 IIoT Secure Interface Gateway

Green Premium™

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 RS485 1 removable 3-way screw connector - twisted shielded pairs cable
Transmission rate	10/100/1000 Mbps for connecting Ethernet network 9600...115200 bauds RS485 link
Physical interface	10 BASE-T/100 BASE-TX/1000 BASE-T - 10/100/1000 BASE-TX RS485
Memory description	Internal RAM 256 MB Flash 512 MB
Supply	External power supply
Local signalling	For power ON LED (green) For USER (programmable) LED (red) For USER (programmable) LED (yellow) For USER (programmable) LED (green)
Product Compatibility	Logic controller M172
Overvoltage category	I
Width	4.33 in (110 mm)
Height	2.36 in (60 mm)
Depth	2.83 in (72 mm)
Net Weight	0.36 lb(US) (0.165 kg)

Environment

Product Certifications	cURus[RETURN]CSA[RETURN]EAC[RETURN]CE[RETURN]RCM[RETURN]UKCA
IP Degree of Protection	IP20
Ambient air temperature for operation	-4…131 °F (-20…55 °C)
Ambient Air Temperature for Storage	-22…158 °F (-30…70 °C)
Relative Humidity	5…95 % non-condensing
Pollution degree	2
Shock resistance	1 g 11 ms

Ordering and shipping details

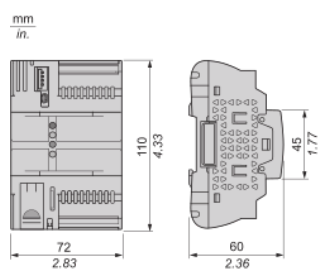|	
Category	US1PC1222537
Discount Schedule	PC12
GTIN	3606482071117
Returnability	Yes
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.76 in (7.000 cm)
Package 1 Width	3.54 in (9.000 cm)
Package 1 Length	5.12 in (13.000 cm)
Package 1 Weight	7.48 oz (212.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	7.63 lb(US) (3.460 kg)

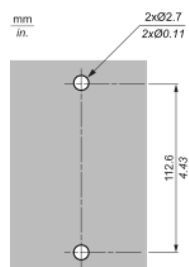## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Life Is On | Schneider Electric
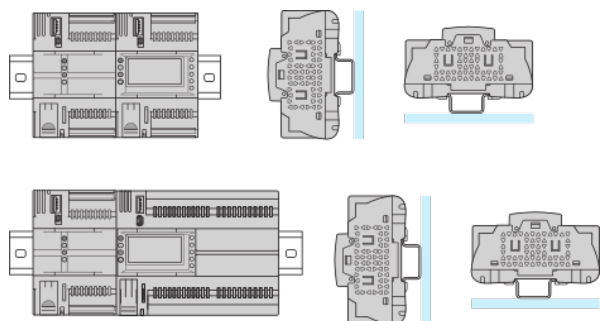
Dimensions Drawings

Dimension

$\frac{mm}{in.}$

110
4.33

72
2.83

45
1.77

60
2.36

Mounting Holes Layout
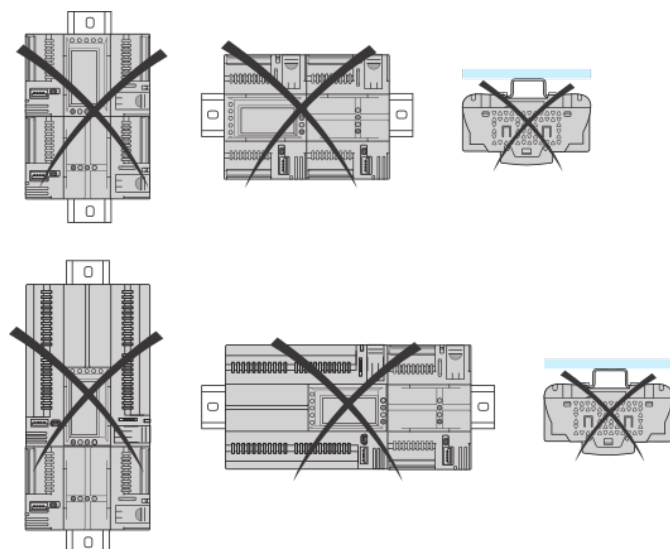
$\frac{mm}{in.}$

2xØ2.7
2xØ0.11

112.6
4.43

Mounting Positions

Correct Mounting Position
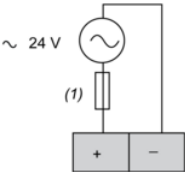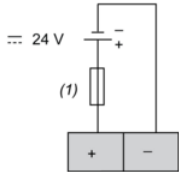
Incorrect Mounting Position

Clearance

mm
in.

20
0.79

40
1.57

40
1.57

20
0.79

80
3.15

20
0.79

20
0.79
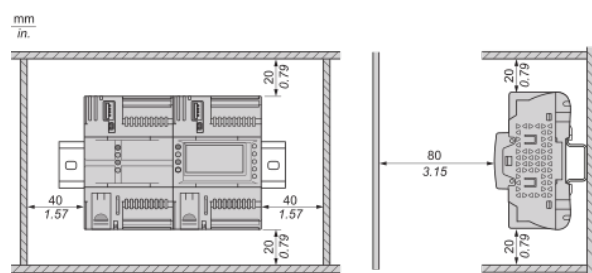
Power Supply

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