

Product data sheet

Specifications



M172 IloT Secure Interface Gateway

TM172SIG

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 | 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 |
| Product weight | 0.165 kg |

Environment

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

| | |
|---------------------------------------|--|
| Product certifications | cURus CSA EAC CE RCM UKCA |
| 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 | 9.000 cm |
| Package 1 Length | 13.000 cm |
| Package 1 Weight | 212.000 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 | 3.460 kg |

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 |
| Environmental Disclosure | Product Environmental Profile |

Use Better

| Materials and Substances | |
|--|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| SCIP Number | Ceb36ed5-2dc8-4817-a9a7-a1a089eb9770 |
| REACH Regulation | REACH Declaration |
| 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 |

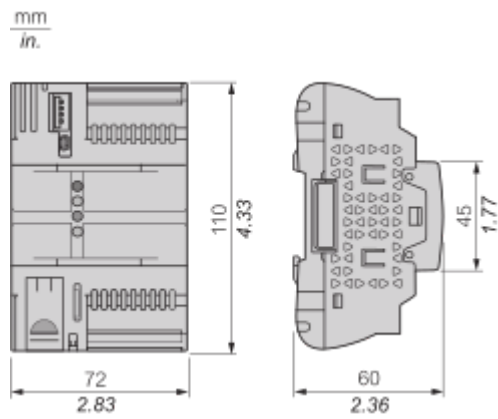
Use Again

| Repack and remanufacture | |
|---------------------------------|---|
| End of life manual availability | End of Life Information |
| 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 |

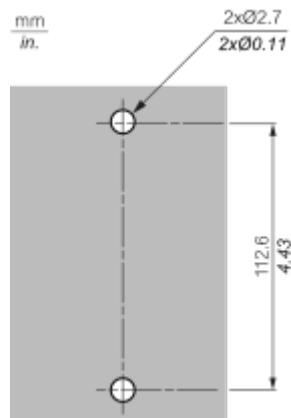
Dimensions Drawings

Dimensions Drawings

Dimension



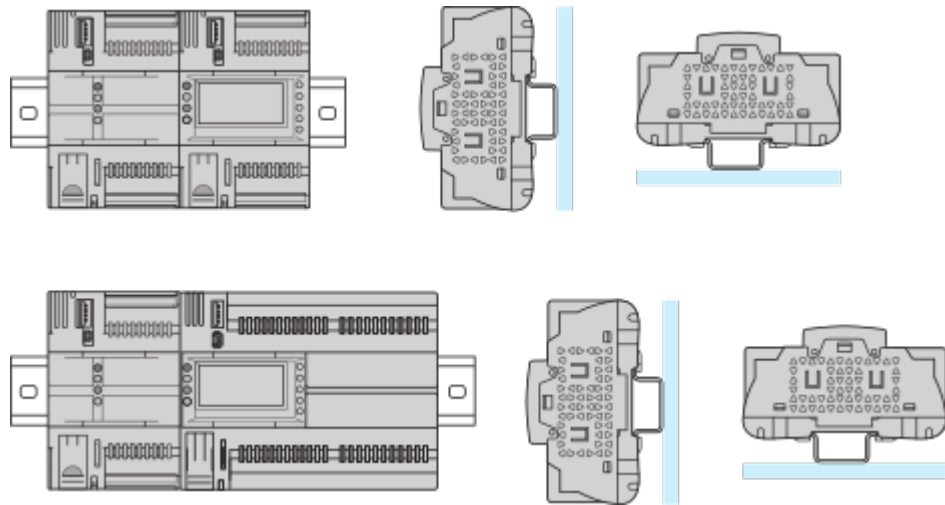
Mounting Holes Layout



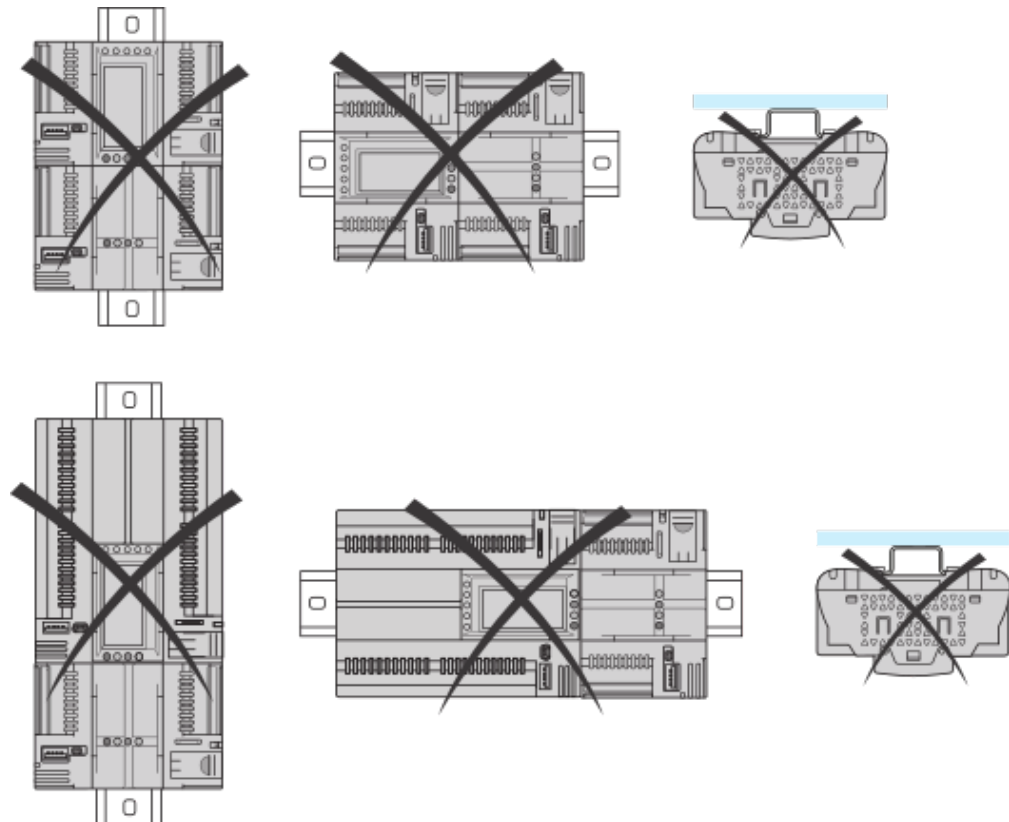
Mounting and Clearance

Mounting Positions

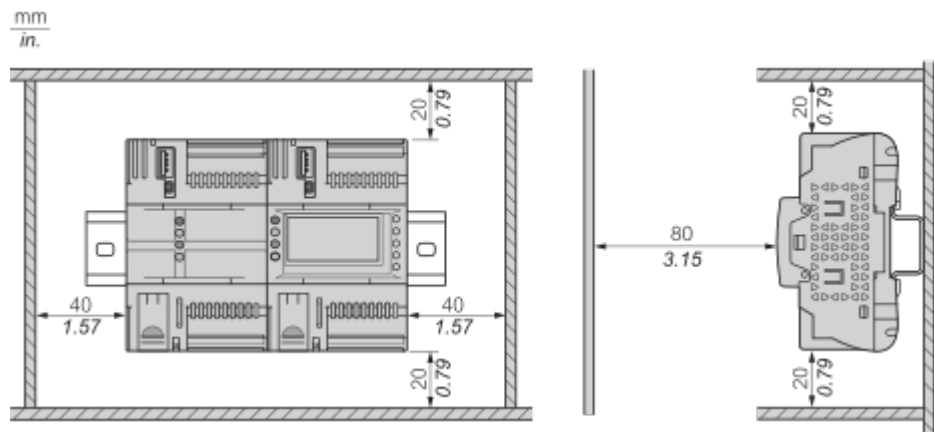
Correct Mounting Position



Incorrect Mounting Position



Clearance



Connections and Schema

Power Supply

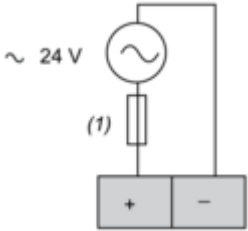
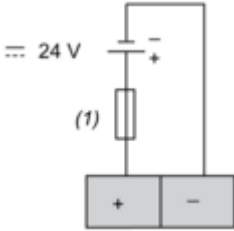
| 24 Vac | 24 Vdc |
|--|--|
|  <p>The diagram shows an AC power supply connection. A circle with a tilde symbol (~) and '24 V' is connected to a terminal block with two terminals, '+' and '-'. A fuse labeled '(1)' is connected in series with the '+' terminal.</p> |  <p>The diagram shows a DC power supply connection. A battery symbol with '24 V' and '+' and '-' terminals is connected to a terminal block with two terminals, '+' and '-'. A fuse labeled '(1)' is connected in series with the '+' terminal.</p> |
| (1) Type T fuse 2 A | |

Image of product / Alternate images

Alternative



