

Product data sheet

Specifications



Controller, Modicon M171/M172/ M173, performance Flush 3 IO, Modbus SL/TCP, BACnet MSTP and IP

TM171PFE03

Main

Range of product	Modicon M171/M172
Product or component type	Programmable controllers
Product specific application	HVAC and pumping solution
Variant	Programmable
Total inputs/outputs	3
Analogue input number	1 analog input NTC (on board) 1 analog input NTC

Complementary

Number of port	1 CAN port - screw terminal block 1 Ethernet - RJ45 (Modbus TCP and BACnet IP with webserver) 1 RS485 - screw terminal block (Modbus serial link or BACnet MS/TP) 1
Input/output number	3 analog input(s)
Analogue input type	voltage 0...5 V (ratiometric) current 4...20 mA NTC temperature probe - 50...110 °C - resolution: 0.1 °C (extended) voltage 0...10 V NTC temperature probe - 40...150 °C - resolution: 0.1 °C
[Us] rated supply voltage	24 V ±10% AC 48 V DC
Power consumption in W	24 VA at 24 V AC 15 W at 20...38 V DC
Realtime clock	Without clock at -20...65 °C
Display type	Without display
Overvoltage category	II
Local signalling	Without
Mounting support	DIN rail Panel mounting with accessory
Width	72 mm
Height	110 mm
Depth	60.5 mm
Net weight	0.19 kg

Environment

Standards	EN/IEC 60730
-----------	--------------

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	CSA RCM cURus CE EAC
Ambient air temperature for operation	-20...65 °C conforming to UL 60730-1
Ambient air temperature for storage	-20...85 °C
Relative humidity	10...90 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	9.100 cm
Package 1 Length	18.500 cm
Package 1 Weight	308.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.129 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 >](#)

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)
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

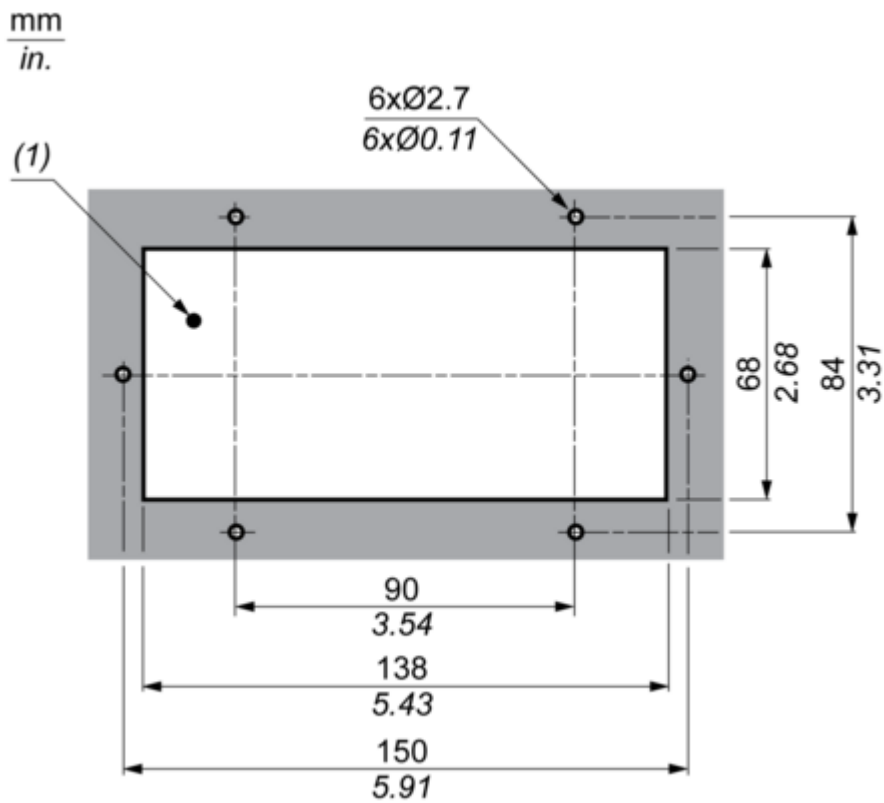
Use Again

 Repack and remanufacture	
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

Mounting and Clearance

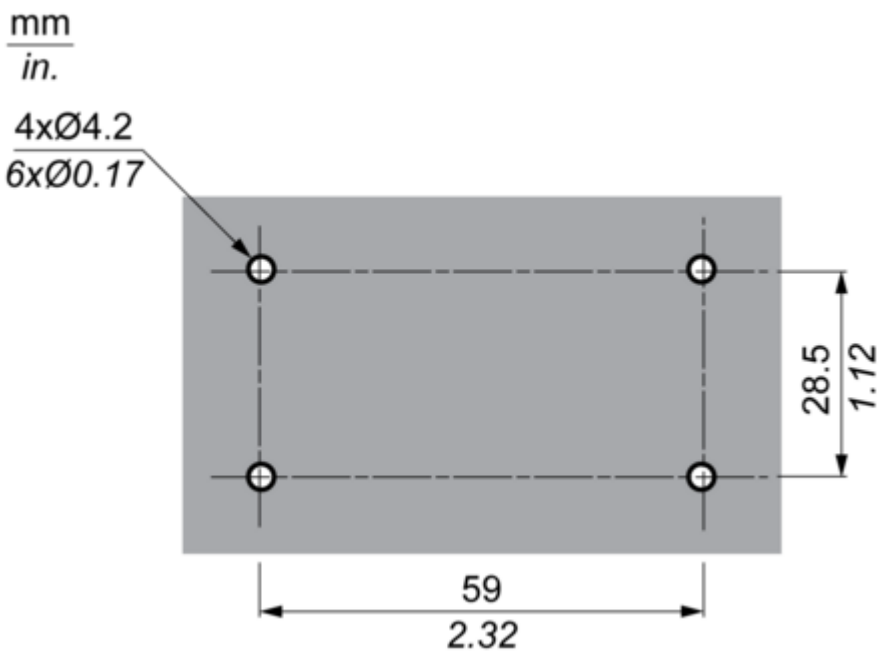
Mounting and Clearance

Panel Mounting



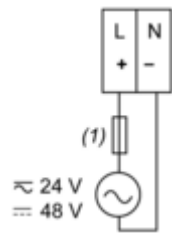
(1) Panel cut out

Wall Mounting



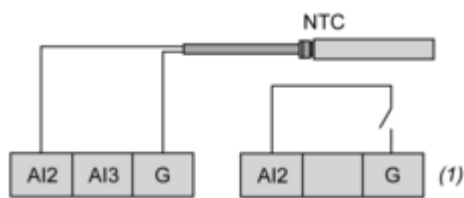
Connections and Schema

Power Supply



(1) Type T 630 mA fuse

Analog Inputs



(1) Digital input