

# Product data sheet

Specifications



## Expansion module, Modicon M171/ M172/M173, optimized 22 IO

TM171EO22R

### Main

Range Of Product	Modicon M171/M172
Product Or Component Type	Additional I/O module
Product Specific Application	HVAC and pumping solution
Total Inputs/Outputs	22
Discrete Input Number	6
Discrete Output Number	1 for open collector 3 for relay outputs SPST with same common 2 for relay outputs SPST with independent common
Discrete Output Current	2 A for relay
Analogue Input Number	3 analog input NTC 2 configurable
Analogue Output Number	3 voltage, range: 0...10 V 2 PWM/PPM, range: 20 kHz, 12 V, 35 mA

### Complementary

Number Of Port	1 LAN expansion bus
Input/Output Number	5 analog output(s) 6 digital input(s) 5 analog input(s) 6 digital output(s)
Discrete Input Logic	Sink or source (positive/negative)
Contacts Usage	Volt-free contacts
Analogue Input Type	voltage 0...5 V (ratiometric) voltage 0...10 V NTC temperature probe - 50...100 °C - resolution: 0.1 °C current 0...20 mA/4...20 mA voltage 0...1 V
Sensor Power Supply	12 V DC at 85 mA 5 V DC at 20 mA
[Us] Rated Supply Voltage	12...24 V 24 V
Width	70.2 mm
Height	87 mm
Depth	61.6 mm
Net Weight	0.19 kg

### Packing Units

Unit Type Of Package 1	PCE
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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

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	263.000 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	1.798 kg

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Resource performance

✓ Upgradeable Through Digital Modules  
And Upgraded Components

## Well-being performance

✓ Mercury Free

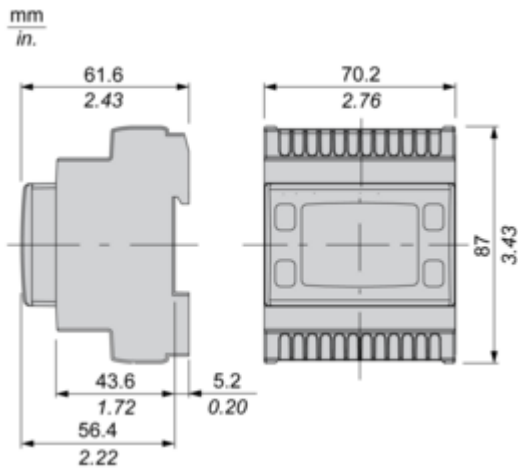
✓ Rohs Exemption Information   Yes

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

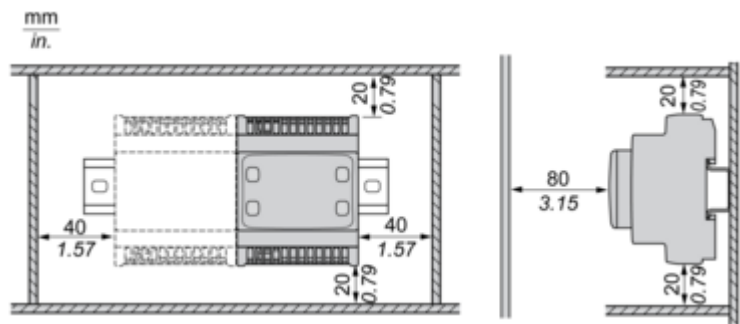
Dimensions



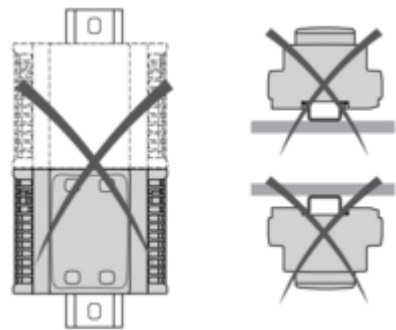
Mounting and Clearance

Mounting and Clearance

Clearance

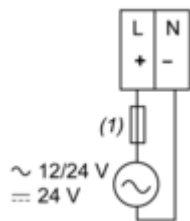


Misplacement



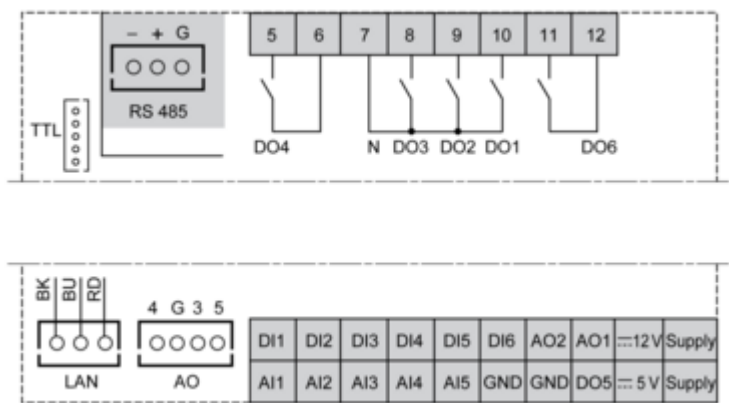
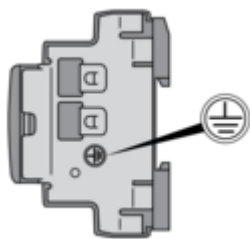
Connections and Schema

Power Supply



(1) Type T fuse (Controller: 1.25 A , Expansion: 1 A)

Wiring Diagram



- N : Neutral
- GND : Ground
- BK : Black
- BU : Blue
- RD : Red
- AI : Analogue input
- AO : Analogue output
- DI : Digital input
- DO : Digital output