Product datasheet

Specifications

Green Premium[™]



Expansion module, Modicon M171/M172/M173, optimized 14 IO, 100-240V AC

TM171EO14R

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	14	
Discrete input number	2	
Discrete output number	1 for relay outputs SPDT with independent common 3 for relay outputs SPST with same common	
Discrete output current	2 A for relay	
Analogue input number	3 analog input NTC/Pt 1000 2 configurable	
Analogue output number	2 voltage, range: 010 V 2 PWM/PPM, range: 20 kHz, 12 V, 35 mA 1 current, range: 020 mA/420 mA	

Complementary

Number of port	1 LAN expansion bus	
Input/output number	5 analog output(s)	
	4 digital output(s)	
	5 analog input(s)	
Discrete input logic	Sink or source (positive/negative)	
Contacts usage	Volt-free contacts	
Analogue input type	voltage 05 V (ratiometric)	
	voltage 010 V	
	NTC temperature probe - 50100 °C - resolution: 0.1 °C	
	Pt 1000 temperature probe - 50400 °C - resolution: 0.1 °C	
	current 020 mA/420 mA	
	voltage 01 V	
	-	
Sensor power supply	12 V DC at 85 mA	
[Us] rated supply voltage	100240 V +/- 10 % AC/DC	
Power consumption in W	7 W	
Realtime clock	Built-in clock at -1055 °C	
Display type	Without display	
Overvoltage category	II	
Local signalling	1 LED (red) for programmable	
	1 LED (yellow) for programmable	
	1 LED (green) for programmable	
mounting support	DIN rail	
Width	70.2 mm	

Height	87 mm
Depth	61.6 mm
net weight	0.385 kg

Environment

Directives	86/188/EEC - physical agents (noise) directive 2006/95/EC - low voltage directive	
Standards	EN/IEC 60730	
Product certifications	EAC cURus CSA CE	
Ambient air temperature for operation	-1055 °C conforming to UL 60730-1	
Ambient air temperature for storage	-2085 °C	
Relative humidity	1090 % 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	13.200 cm
Package 1 Width	9.000 cm
Package 1 Length	18.500 cm
Package 1 Weight	284.000 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	1.963 kg

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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



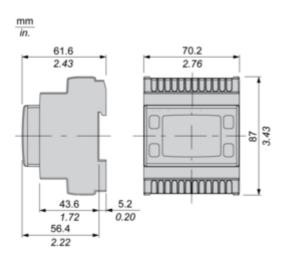
Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

Dimensions

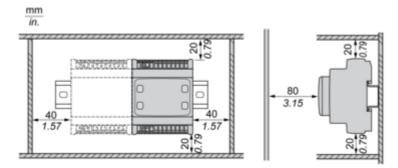


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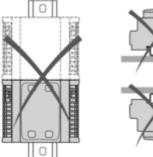
Mounting and Clearance

Mounting and Clearance

Clearance



Misplacement

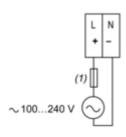




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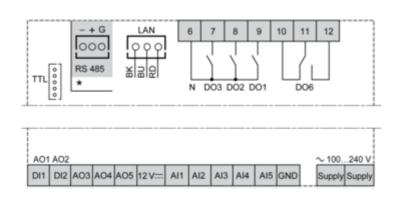
Connections and Schema

Power Supply



(1) Type T fuse 160 mA

Wiring Diagram



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