

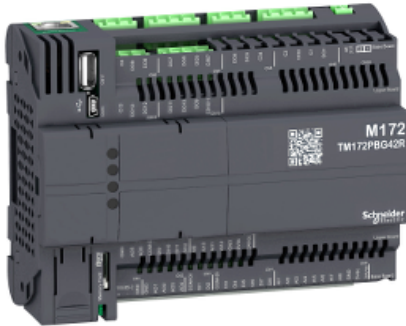
TM172PBG42R

Modicon M172 Performance Blind 42 I/Os, Ethernet, Modbus

Product availability : Stock - Normally stocked in distribution facility



Price* : 427.58 USD



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	42
Discrete input number	12
Discrete output number	2 relay outputs SPST with same common 2 relay outputs SPST with independent common 2 relay outputs SPDT with same common 3 relay outputs SPST with independent common
Discrete output current	1 A relay SPDT 3 A relay SPST
Analogue input number	12 configurable by pair
Analogue output number	4 voltage, range: 0...10 V 2 voltage/current, range: 4...20 mA or 0...10 V or PWM (2 kHz)

Complementary

Number of port	1 CAN port - screw terminal block 1 USB type A - USB type A female 1 USB type mini B - USB device port Mini-B 2 RS485 - screw terminal block (Modbus serial link or BACnet MS/TP) 1 Ethernet - RJ45 (Modbus TCP and BACnet IP with webserver)
Input/Output number	12 analog input(s) 6 analog output(s) 12 digital input(s) 12 digital output(s)
Discrete input logic	Sink or source (positive/negative)
Discrete input voltage	24 V AC/DC
Discrete input current	2.5 mA

Input impedance	20 kOhm
Analogue input type	Direct input Impedance 0...1500 hOhm Impedance 0...300 daOhm Voltage 0...5 V (absolute or ratiometric) PTC temperature probe - 55...150 °C - res.: 0.1 °C NTC temperature probe - 50...110 °C - res.: 0.1 °C (extended) NTC temperature probe - 40...150 °C - res.: 0.1 °C Pt 1000 temperature probe - 200...850 °C - res.: 0.1 °C Voltage 0...10 V Current 0...20 mA/4...20 mA
Sensor power supply	5 V DC at 50 mA (supplied by the controller) 24 V DC at 150 mA (supplied by the controller)
[Us] rated supply voltage	20...38 V DC 24 V +/- 10 % AC
Power consumption in W	15 W at 24 V AC/DC
Realtime clock	Built-in realtime clock at -4...140 °F (-20...60 °C)
Display type	Without display
Overvoltage category	II
Local signalling	1 LED red programmable 1 LED yellow programmable 1 LED green programmable 1 LED green power
Mounting support	DIN rail Panel mounting with accessory
Width	5.67 in (144 mm)
Height	4.33 in (110 mm)
Depth	2.38 in (60.5 mm)
Product weight	0.85 lb(US) (0.385 kg)

Environment

Directives	2006/95/EC - low voltage directive 86/188/EEC - physical agents (noise) directive 2011/65/EU - RoHS directive 1907/2006/EC - REACH directive
Standards	EN/IEC 60730
Product certifications	CE CSA (pending) EAC (pending) cURus (pending)
Ambient air temperature for operation	-4...140 °F (-20...60 °C) conforming to UL 60730-1 -4...149 °F (-20...65 °C) with derating conforming to UL 60730-1
Ambient air temperature for storage	-22...158 °F (-30...70 °C)
Relative humidity	5...95 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22537 - M171 / M172 HVAC CONTROLLERS
Discount Schedule	PC12
GTIN	00785901502098
Nbr. of units in pkg.	1
Package weight(Lbs)	0.9400000000000006
Returnability	Y
Country of origin	IT

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1530 - Schneider Electric declaration of conformity

REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov