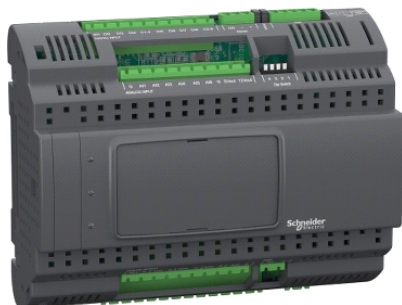




Main

Range of product	Modicon M171/M172
Product or component type	Additional I/O module
Product specific application	HVAC and pumping solution
Number of inputs/outputs	27
Discrete input number	8
Discrete output number	3 for relay outputs SPST with same common 2 for relay outputs SPST with same common 2 for relay outputs SPDT with independent common
Discrete output current	8 A for relay SPDT 5 A for relay SPST
Analogue input number	2 analog input NTC 4 configurable
Analogue output number	3 voltage/current, range: 4...20 mA or 0...10 V 2 open collector, range: 1 kHz, 12 V, 35 mA

Complementary

Number of port	1 CAN port - screw terminal block
Input/output number	6 analog input(s) 5 analog output(s) 8 digital input(s) 7 digital output(s) 1 high-speed counter(s)
Discrete input logic	Sink or source (positive/negative)
Discrete input voltage	48 V DC 24 V AC/DC
Discrete input current	2.5 mA
Input impedance	20 kOhm
Analogue input type	Current 4...20 mA Voltage 0...10 V Direct input Impedance 0...1500 hOhm Impedance 0...300 daOhm Voltage 0...5 V (ratiometric) Pt 1000 temperature probe - 200...800 °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
Sensor power supply	5 V DC at 50 mA 12 V DC at 150 mA
[Us] rated supply voltage	24 V AC 48 V
Realtime clock	Without realtime clock at -20...55 °C
Display type	Without display
Overvoltage category	II
Mounting support	DIN rail
Width	140 mm
Height	110 mm
Depth	61.6 mm
Product weight	0.19 kg

Environment

directives	2006/95/EC - low voltage directive 86/188/EEC - physical agents (noise) directive
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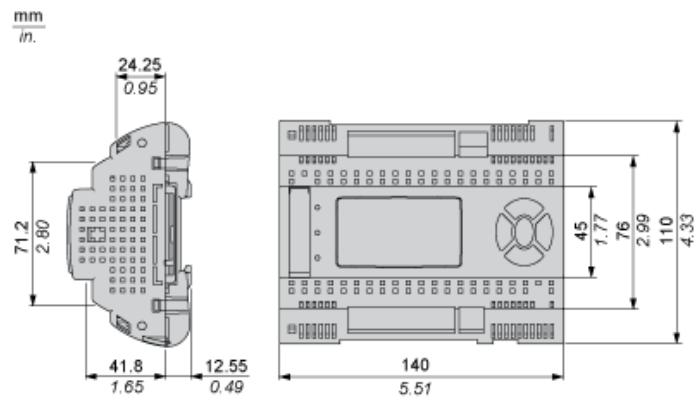
The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the Schneider Electric group. It is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

standards	EN/IEC 60730
product certifications	CE CSA CURus EAC
ambient air temperature for operation	-20...55 °C conforming to UL 60730-1
ambient air temperature for storage	-40...85 °C
relative humidity	10...90 % non-condensing
IP degree of protection	IP20
pollution degree	2

Offer Sustainability

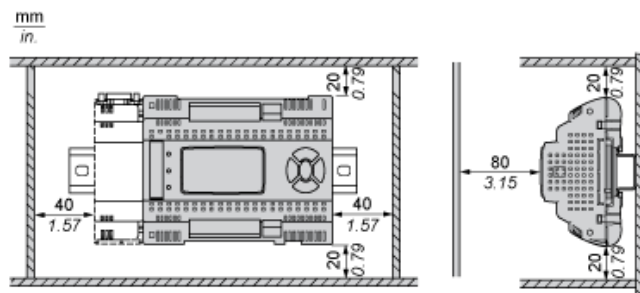
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1427 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Dimensions

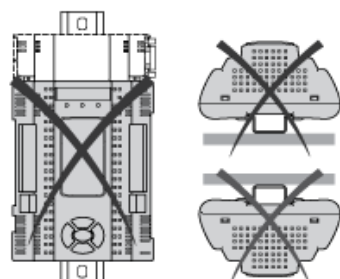


Mounting and Clearance

Clearance



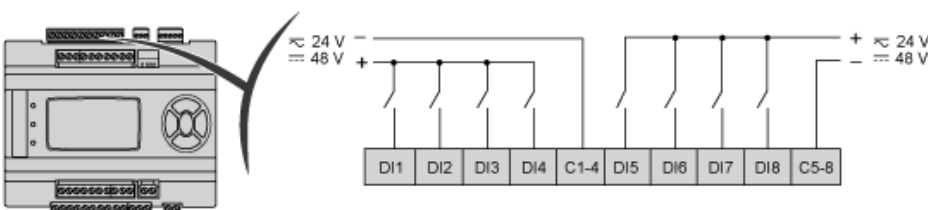
Misplacement



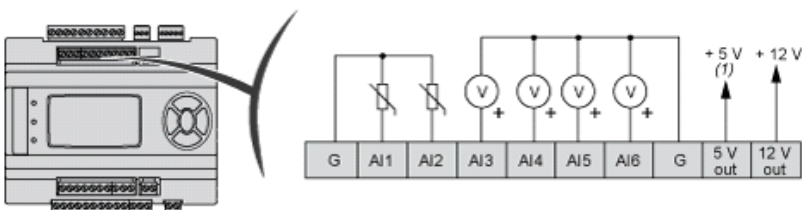
Power Supply



Digital Inputs



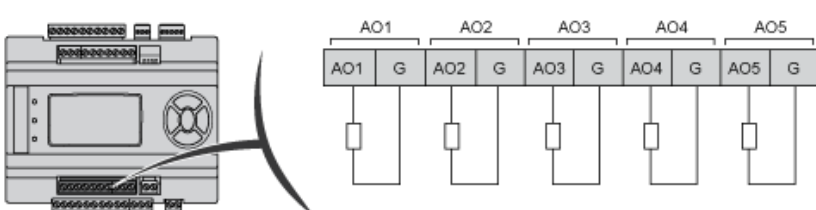
Analog Inputs



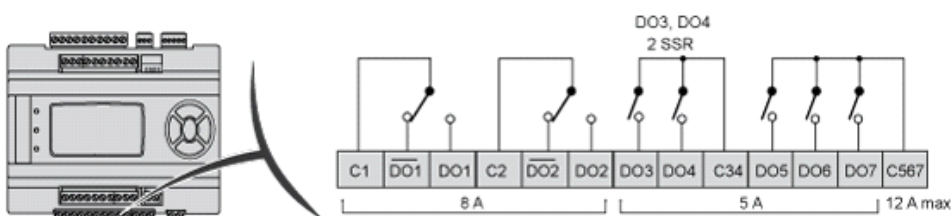
(1) Max current: 50 mA.

G : Ground

Analog Outputs

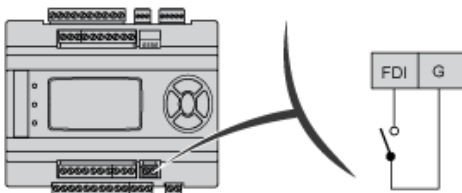


Digital Outputs

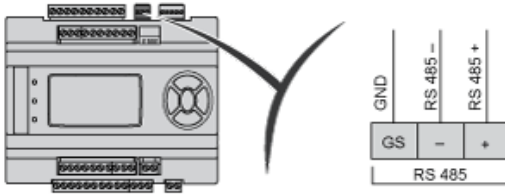


C : common

Fast Digital Input



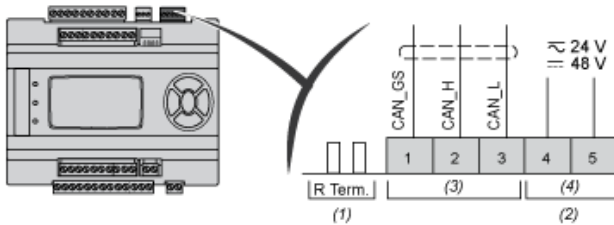
Serial Line Port (RS 485)



Apply 120 Omega terminal resistance

GS serial GND isolated from G

CAN Expansion Bus



- (1) CAN terminal resistance
- (2) Output for remote keyboard
- (3) CANOPEN
- (4) Power Out

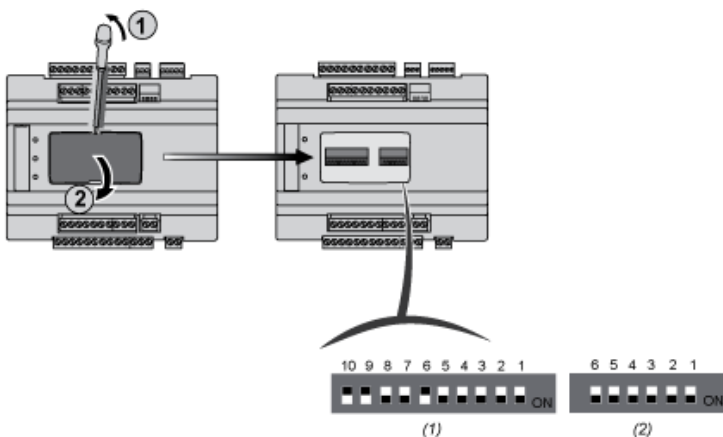
4 DipSwitches



- (1) 4 DIP SWITCH

LOW Address

6 - 10 DipSwitches



- (1) 10 DIP SWITCH
- (2) 6 DIP SWITCH