

Product datasheet

Specifications



Controller, Modicon M171/M172/
M173, performance display 28 IO,
Modbus, solid state relay

TM172PDG28S

⚠ To be discontinued

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



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 >](#)

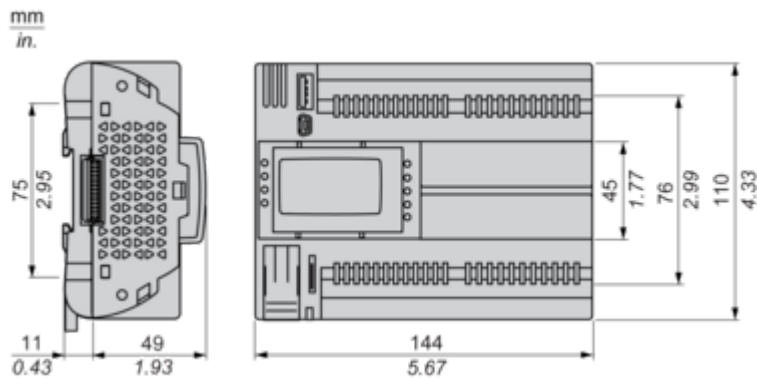
[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

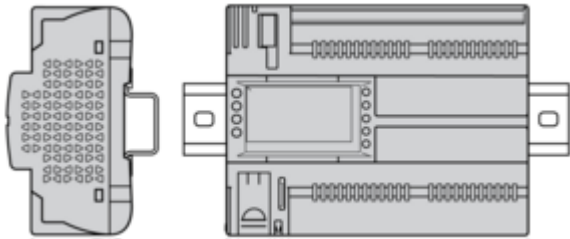
Dimensions



Mounting and Clearance

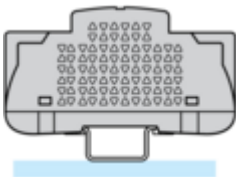
Mounting Positions

Correct Mounting Position

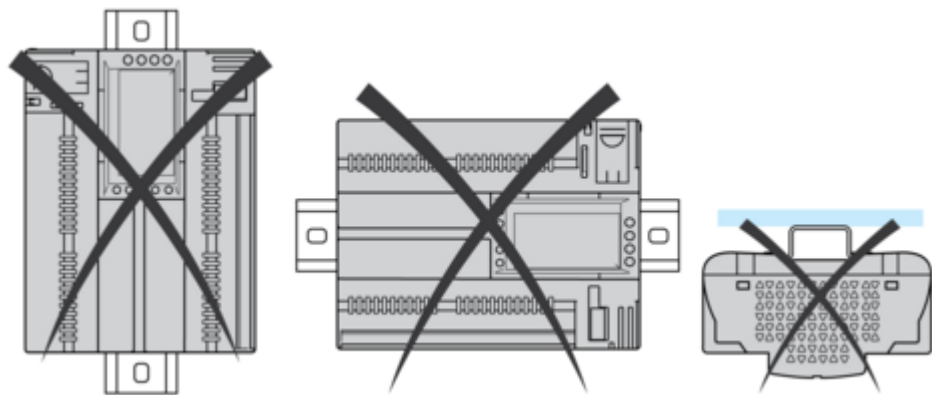


Acceptable Mounting Position

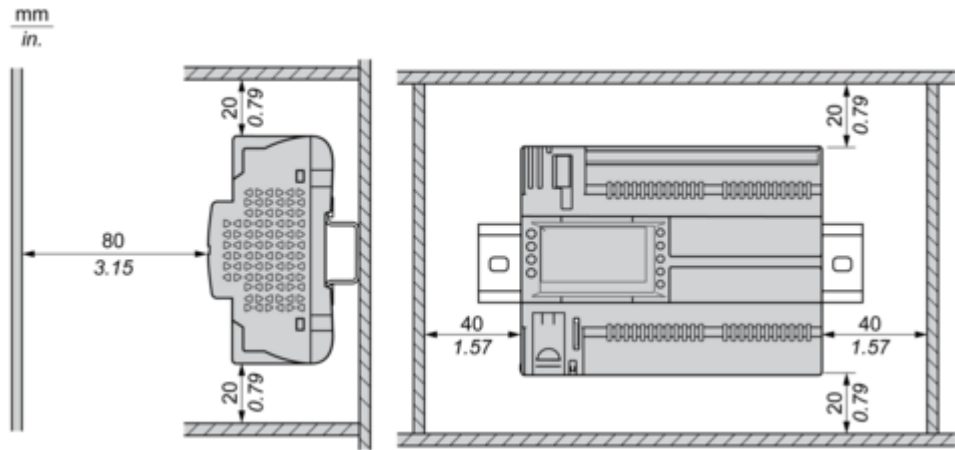
Controller can be mounted horizontally upward with a temperature derating (maximum ambient temperature: 60 °C (140 °F)).



Incorrect Mounting Position

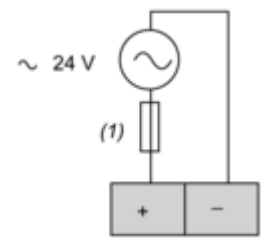
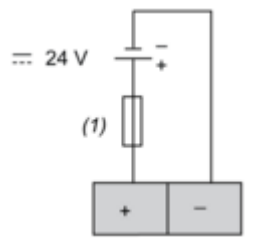


Clearance

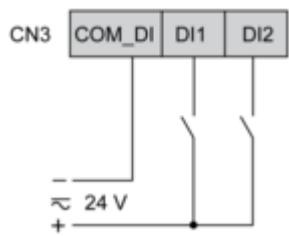


Connections and Schema

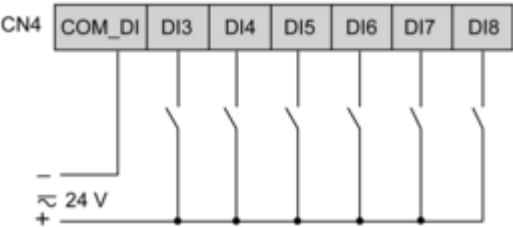
Power Supply

24 Vac	24 Vdc
 The diagram shows an AC power supply connection. A circle with a tilde symbol (~) and '24 V' is connected to a rectangular fuse labeled '(1)'. The fuse is connected to a terminal block with two terminals, '+' and '-'.	 The diagram shows a DC power supply connection. A battery symbol with '24 V' and polarity signs (+ and -) is connected to a rectangular fuse labeled '(1)'. The fuse is connected to a terminal block with two terminals, '+' and '-'.
(1) Type T fuse 2 A	

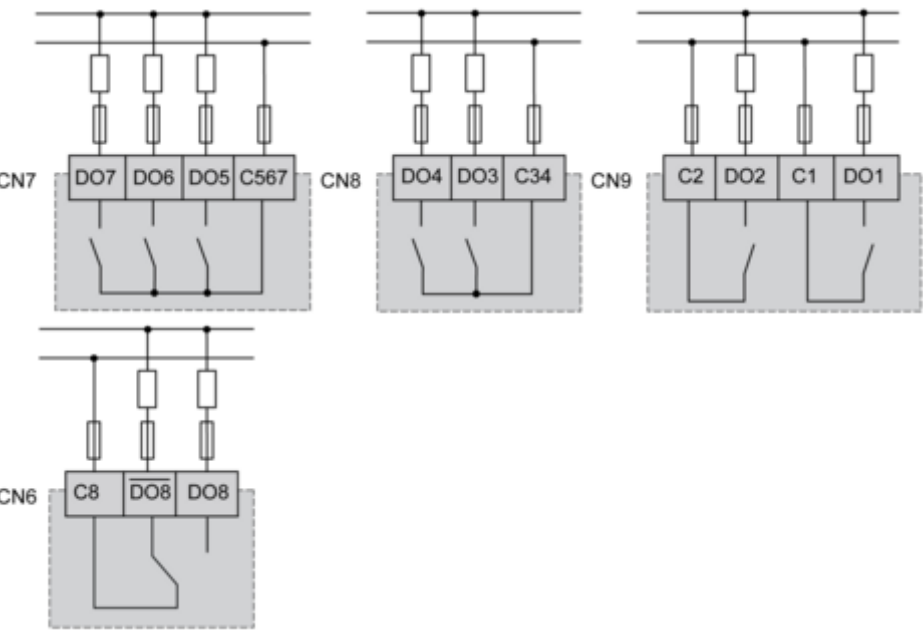
CN3 Fast Digital Inputs



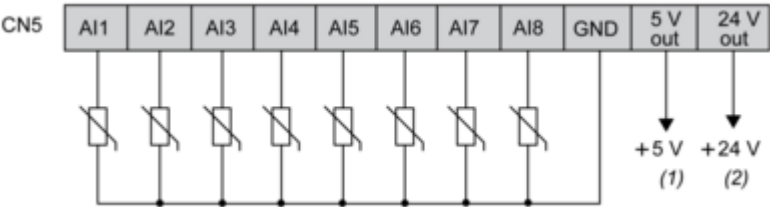
CN4 Digital Inputs



CN7, CN8, CN9, CN6 High Voltage Relay SPST / Solid-State Relay Digital Outputs

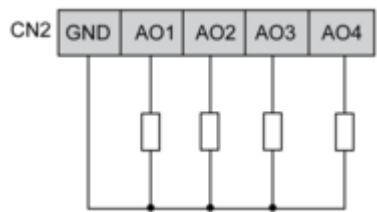


CN5 Analog Inputs



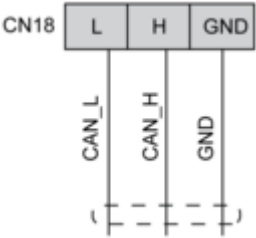
- (1) Max. current : 50 mA.
- (2) Max. current : 150 mA.

CN2 Analog Outputs



AO3, AO4 can be used also as PWM generator, up to 2kHz.

CN18 CAN Expansion Bus Port



CN19, CN1 CAN Expansion Bus Port

