Product datasheet

Specifications

CANopen bus master module - for PLC Twido - 9-way SUB-D connector

TWDNCO1M

Discontinued

Discontinued on: 31 Dec 2016

End-of-service on: 31 Dec 2021

Main

Range of product	Twido
product or component type	CANopen bus master module
Product compatibility	TWDLMDA20DRT TWDLCAE40DRF TWDLMDA20DTK TWDLCDA40DRF TWDLCAA40DRF TWDLMDA40DUK TWDLCAA24DRF TWDLMDA40DTK TWDLCDE40DRF TWDLCDA24DRF TWDLMDA20DUK
Integrated connection type	CANopen master bus male SUB-D 9, 2 twisted shielded pairs
Bus type	CANopen conformity class: M10, profile: DR 303-2 CANopen conformity class: M10, profile: DS 301 V4.02
Number of channels	16 RPDO 16 TPDO
[Us] rated supply voltage	24 V DC

Complementary

Transmission rate	125 kbit/s for bus length of 500 m 250 kbit/s for bus length of 250 m 500 kbit/s for bus length of 100 m
Current consumption	50 mA at 5 V DC 50.5 mA at 24 V DC
Power dissipation in W	1.2 W at 24 V DC
Number of modules per base controller	1
Number of server device(s)	16
Supply	External supply
marking	CE
Status LED	1 LED for PWR

Environment

Product certifications	UL
IP degree of protection	IP20
Ambient air temperature for operation	0…55 °C

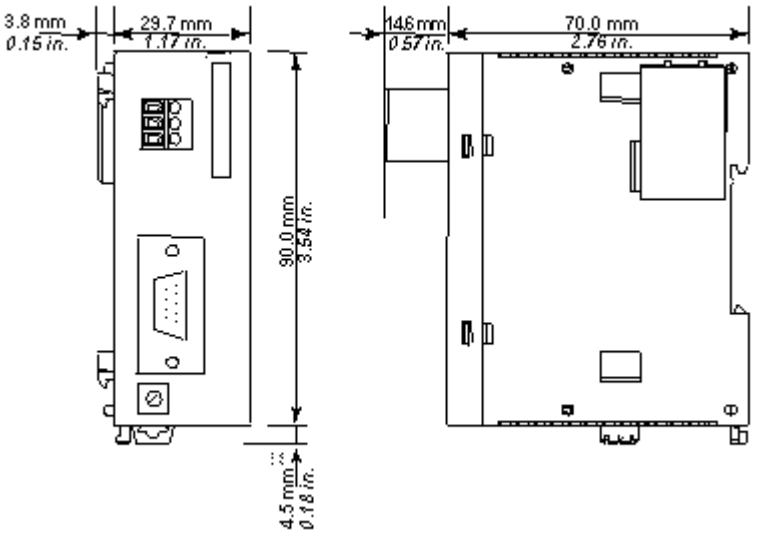
Ambient air temperature for storage	-25…70 °C

Contractual warranty

Warranty	12 months

Dimensions Drawings

Dimensions

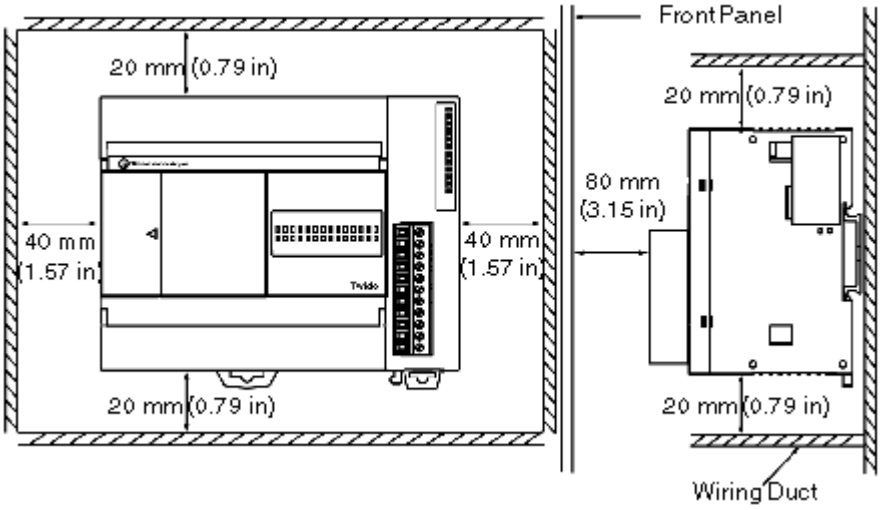


* 8.5 mm (0.33 in) when the clamp is pulled out.

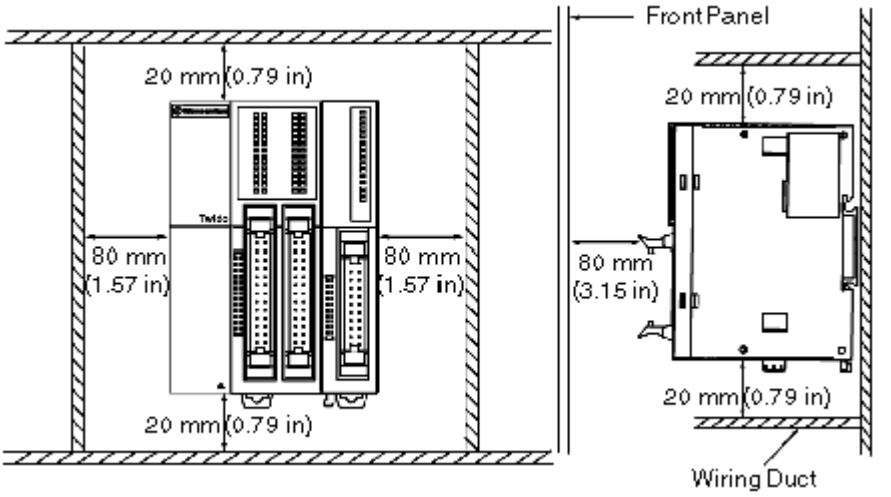
Mounting and Clearance

Minimum Clearances

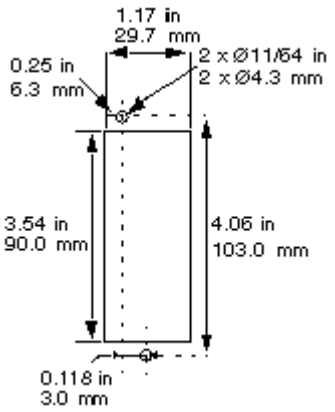
For a Compact Base and Expansion I/O Modules



For a Modular Base and Expansion I/O Modules

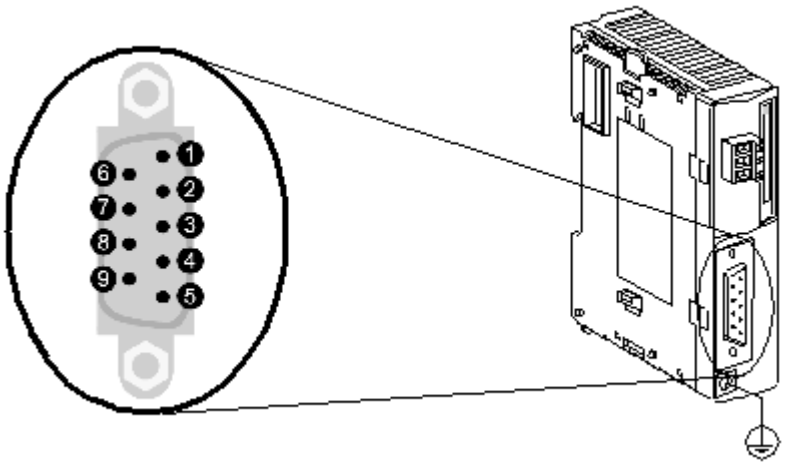


Mounting Hole Layout



Connections and Schema

Connection to the CANopen Field Bus



Contacts	Signal	Description
1	Unused	Reserved
2	CAN_L	CAN-L bus line (low dominant)
3	CAN_GND	CAN earth
4	Unused	Reserved
5	CAN_SHLD	Optional CAN shielding
6	GND	Optional ground
7	CAN_H	CAN-H bus line (high dominant)
8	Unused	Reserved
9	CAN_V+	NC (not connected)