Product data sheet

Specifications

Discrete output module, Modicon M238 logic controller, 32 outputs 24V transistor, 1 connector HE10

TM2DDO32TK

⚠ **Discontinued on:** Jun 28, 2019

⚠ **To be end-of-service on:** Jun 30, 2024

⚠ **Discontinued - Service only**

Main

Range Of Product	Modicon M238 logic controller
Product Or Component Type	Discrete output module
Discrete Output Number	32
Discrete Output Type	Transistor
Discrete Output Voltage	24 V
Discrete Output Logic	Source
Discrete Output Current	0.4 A

Complementary

Range Compatibility	Advantys OTB Twido
Output Voltage Limits	20.4...28.8 V
Current Per Channel	0.48 A
Maximum Current Per Output Common	2 A
Number Of Common Point	2
Response Time	450 µs from state 0 to state 1 450 µs from state 1 to state 0
[Ures] Residual Voltage	0.4 V at state 1
Maximum Leakage Current	0.1 mA
Maximum Inductive Load	10 mH
Maximum Tungsten Load	9.6 W
Short-Circuit Protection	With automatic reactivaton
Overload Protection	With automatic reactivaton
Isolation Between Channels	None
Isolation Between Channels And Internal Logic	500 V for 1 minute
Current Consumption	25 mA at 5 V DC at state 1 for all output 40 mA at 24 V DC at state 1 for all output
Local Signalling	2 display blocks
Electrical Connection	1 connector HE10
Mounting Support	35 mm symmetrical DIN rail
Net Weight	0.105 kg

Environment

Depth	81.3 mm
Height	90 mm
Width	33.5 mm

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	10.0 cm
Package 1 Length	12.5 cm
Package 1 Weight	210.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	25
Package 2 Height	30.0 cm
Package 2 Width	29.9 cm
Package 2 Length	39.8 cm
Package 2 Weight	5.89 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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 ⟩

Well-being performance

✅ Mercury Free

✅ Rohs Exemption Information   Yes

✅ Pvc Free

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Digital Transistor Output Module (32-channel, Source)

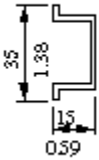**Dimensions**
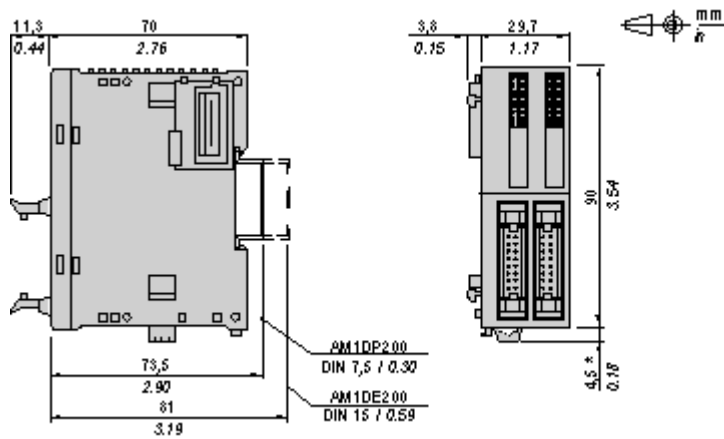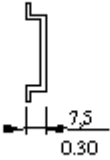

NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

Mounting and Clearance

DIN Rail Mounting

Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

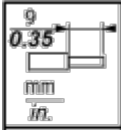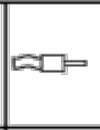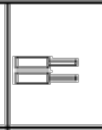NOTE: Do not use AM1ED200 and DZ5MB200
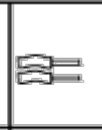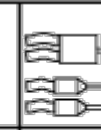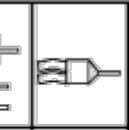
Module Mounting on a Panel Surface

Mounting Hole Layout
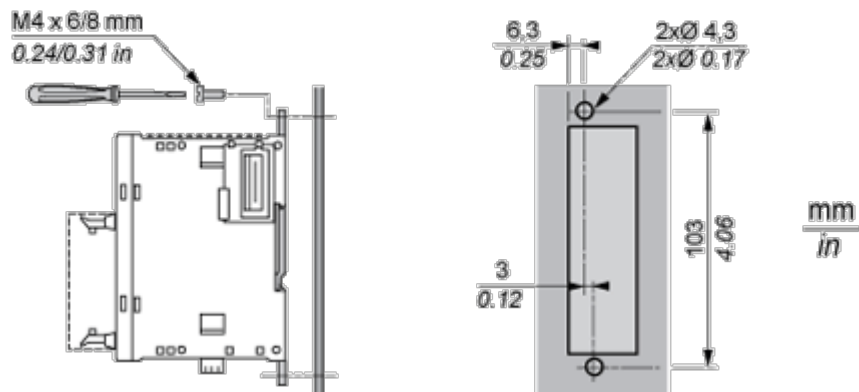
Connections and Schema

Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

mm²	0,14...1,5	0,25...0,5	0,25...1,5	0,14...0,5	0,14...0,75	0,25...0,34	0,5
AWG	26...16	24...20	24...16	26...20	26...18	24...22	20

Digital Transistor Output Module (32-channel, Source)

Wiring Diagram
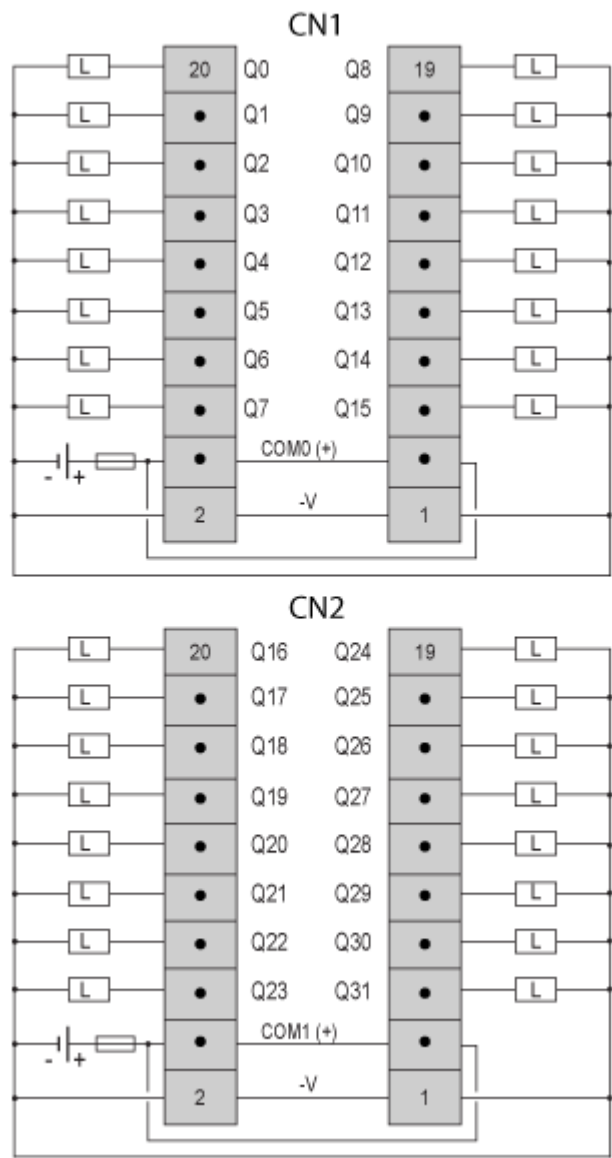
L   Load

Fuse value for the load: 0.4 A
Fuse value for the power supply: 2 A