Product datasheet

Specifications

Discrete output module, Modicon M238 logic controller, 8 outputs 24V transistor, 1 screw terminal block

TM2DDO8TT

⚠ To be discontinued on: 30-Jun-2024

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

⚠ **Discontinued - Service only**

Main

Range Of Product	Modicon M238 logic controller
Product Or Component Type	Discrete output module
Discrete Output Number	8
Discrete Output Type	Transistor
Discrete Output Voltage	24 V
Discrete Output Logic	Source
Discrete Output Current	0.5 A

Complementary

Range Compatibility	Advantys OTB Twido
Output Voltage Limits	20.4...28.8 V
Current Per Channel	0.6 A
Maximum Current Per Output Common	4 A
Number Of Common Point	1
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	12 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	10 mA at 5 V DC at state 1 for all output 20 mA at 24 V DC at state 1 for all output
Local Signalling	1 display block
Electrical Connection	1 removable screw terminal block
Mounting Support	35 mm symmetrical DIN rail
Net Weight	0.085 kg

Environment

Depth	84.6 mm
Height	90 mm
Width	27.3 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	184.0 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	5.24 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

Dimensions Drawings
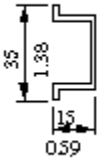
Digital Transistor Output Module (8-channel, Source)

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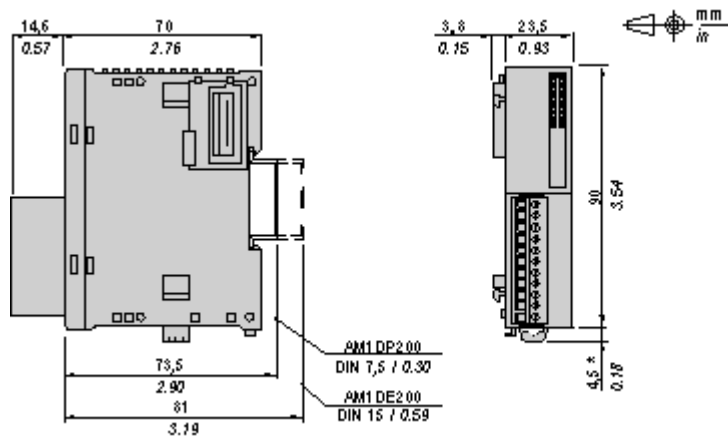
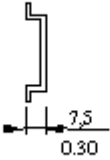NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

Mounting and Clearance

DIN Rail Mounting

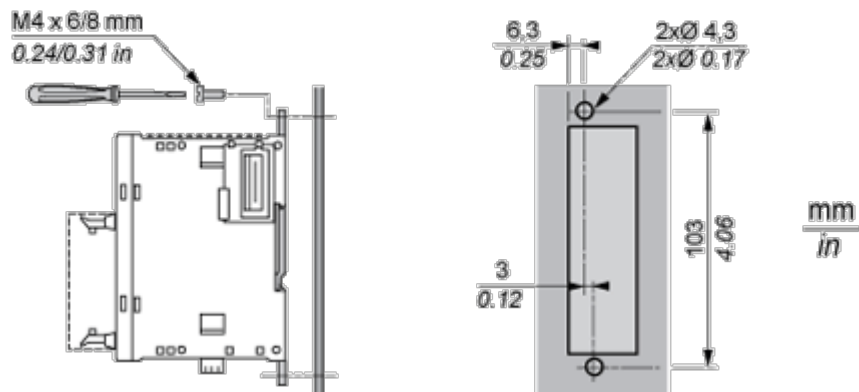| AM1DE200 IEC/EN 60715	AM1DP200	AM1ED200	DZ5MB200

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

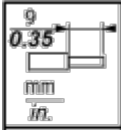NOTE: Do not use AM1ED200 and DZ5MB200
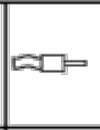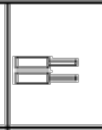
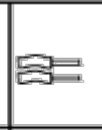## Module Mounting on a Panel Surface

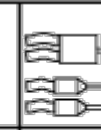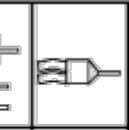**Mounting Hole Layout**

Connections and Schema

Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

mm²/in.							
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 (8-channel, Source)

Wiring Diagram
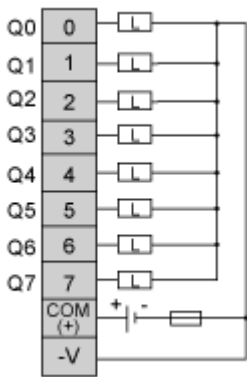
L   Load

Fuse value for the load: 4 A