Product data sheet

Specifications

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

TM2DDO8TT

Discontinued on: Sep 27, 2024

Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

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 5 V DC at state 1 for all output 20 mA 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	0.187 lb(US) (0.085 kg)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Environment

Depth	3.3 in (84.6 mm)
Height	3.5 in (90 mm)
Width	1.07 in (27.3 mm)

Ordering and shipping details

Category	US1PC1222531
Discount Schedule	PC12
GTIN	3595863995961
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.8 in (7.0 cm)
Package 1 Width	3.9 in (10.0 cm)
Package 1 Length	4.9 in (12.5 cm)
Package weight(Lbs)	6.5 oz (184.0 g)

Contractual warranty

Warranty (in months)	18

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 Better

Materials and Substances

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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
PVC free	Yes

Use Longer

Lifetime extension

Repair	No

Use Again

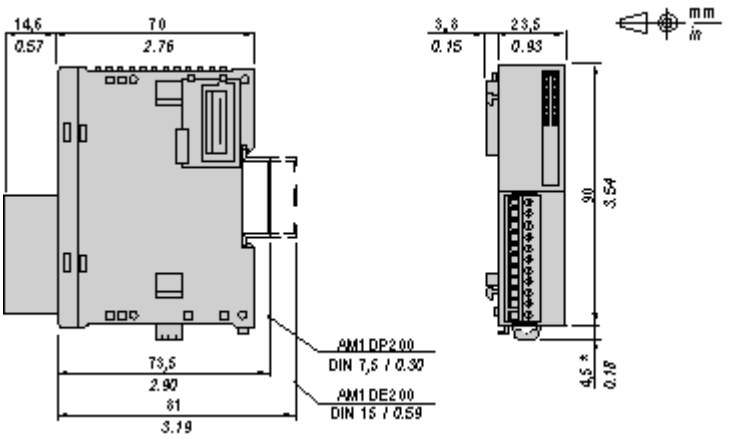
Repack and remanufacture

WEEE Label	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)

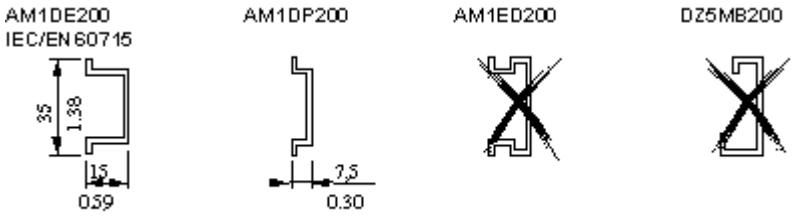
Dimensions



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

Mounting and Clearance

DIN Rail Mounting

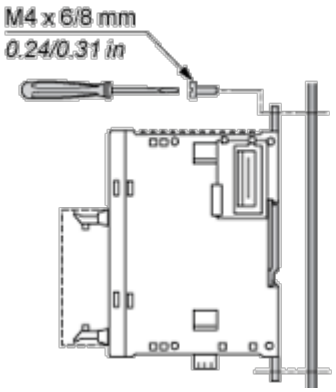


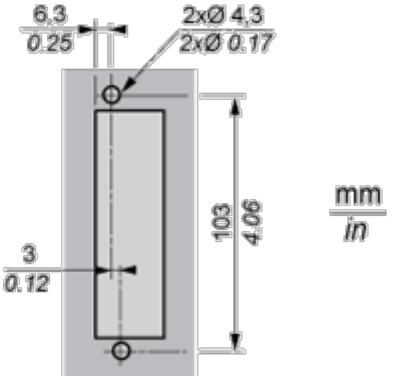
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout

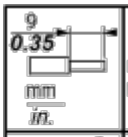




Connections and Schema

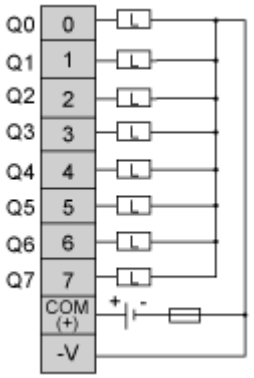
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

							
mm ^{2}	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