

Product data sheet

Specifications



Discrete output module, Modicon M238 logic controller, 16 outputs 24 V transistor, 1 connector HE10

TM2DDO16UK

! Discontinued - Service only

! Discontinued on: Dec 1, 2020

! End-of-service on: Jun 30, 2024

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	16
Discrete output type	Transistor
Discrete output voltage	24 V
Discrete output logic	Sink
Discrete output current	0.1 A

Complementary

Range Compatibility	Twido Advantys OTB
Output voltage limits	20.4...28.8 V
Current per channel	0.12 A
Maximum current per output common	1 A
Number of common point	1
Response time	300 µs from state 0 to state 1 300 µs from state 1 to state 0
[Ures] residual voltage	1 V at state 1
Maximum tungsten load	8 W
Short-circuit protection	Without
Overload protection	Without
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 40 mA 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	0.15 lb(US) (0.07 kg)

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

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

Environment

Depth	3.2 in (81.3 mm)
Height	3.5 in (90 mm)
Width	0.8 in (21.4 mm)

Ordering and shipping details

Category	US1PC1222531
Discount Schedule	PC12
GTIN	3595863995794
Returnability	No
Country of origin	JP

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.8 in (7.0 cm)
Package 1 Width	2.8 in (7.1 cm)
Package 1 Length	4.9 in (12.5 cm)
Package 1 Weight	5.9 oz (168.0 g)

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ 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-CO₂ 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 >](#)

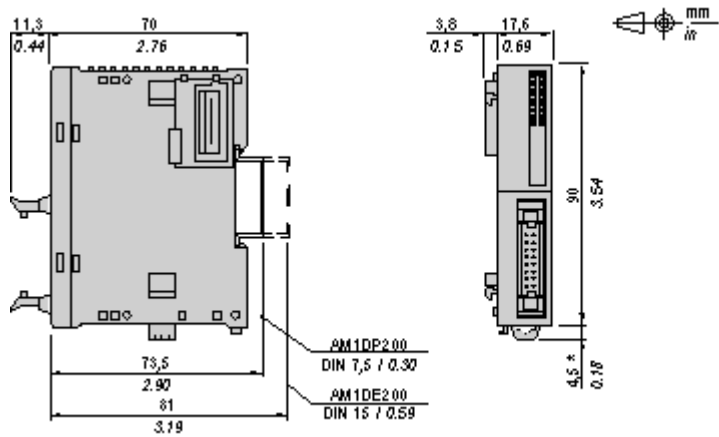
Well-being performance

✓	Reach Free Of Svhc	
✓	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 (16-channel, Sink)

Dimensions

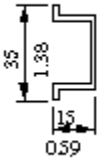


NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

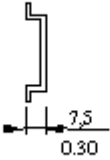
Mounting and Clearance

DIN Rail Mounting

AM1DE200
IEC/EN 60715



AM1DP200



AM1ED200



DZ5MB200

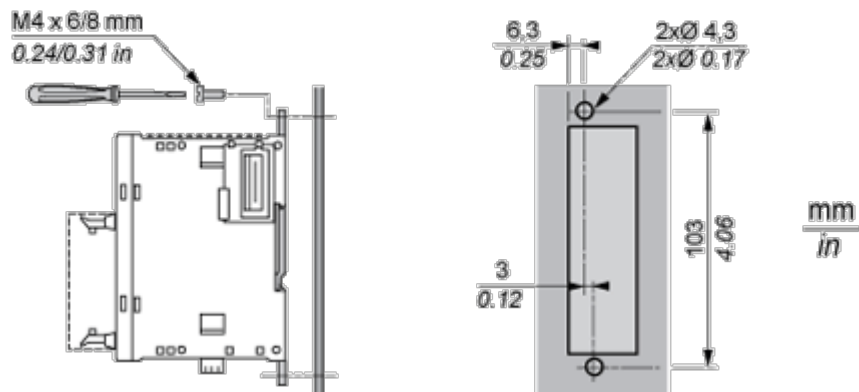


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

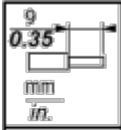


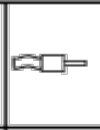
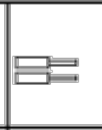
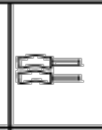
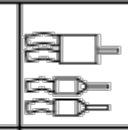

Mounting Hole Layout



Connections and Schema

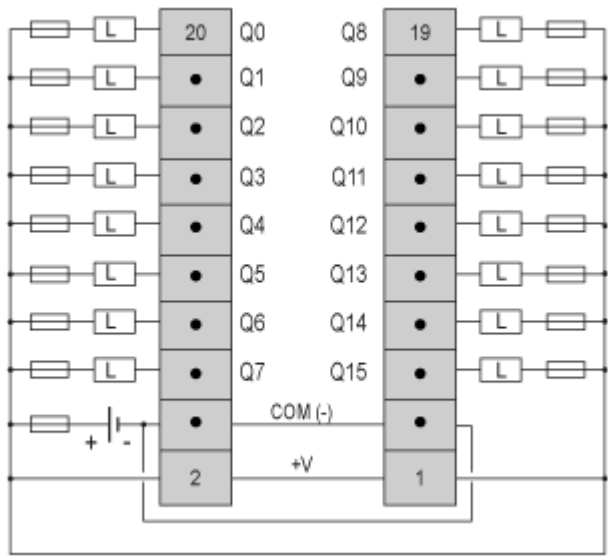
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

							
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 (16-channel, Sink)

Wiring Diagram



L Load

Fuse value for the load: 0.125 A
Fuse value for the power supply: 2 A