

# Product data sheet

Specifications



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

TM2DDO16TK

! Discontinued - Service only

! Discontinued on: Dec 1, 2020

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

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

Price\*: 415.00 USD

### 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	Source
Discrete Output Current	0.4 A

### Complementary

Range Compatibility	Twido Advantys OTB
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	1
Response Time	450 µs from state 0 to state 1 450 µs from state 1 to state 0
[Ures] Residual Voltage	1 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 reactivation
Overload Protection	With automatic reactivation
Isolation Between Channels	None
Isolation Between Channels And Internal Logic	500 V for 1 minute
Current Consumption	15 mA 5 V DC at state 1 for all output 20 mA 24 V DC at state 1 for all output
Local Signalling	2 display blocks

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

Electrical Connection	1 connector HE10
Mounting Support	35 mm symmetrical DIN rail
Net Weight	0.15 lb(US) (0.07 kg)

## Environment

Depth	3.20 in (81.3 mm)
Height	3.54 in (90 mm)
Width	0.84 in (21.4 mm)

## Ordering and shipping details

Category	22531 - PLCS, TWIDO, TWD
Discount Schedule	PC12
Gtin	3595863995800
Returnability	No
Country Of Origin	JP

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.95 in (7.5 cm)
Package 1 Width	4.33 in (11.0 cm)
Package 1 Length	5.12 in (13.0 cm)
Package 1 Weight	6.03 oz (171.0 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	25
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.77 in (29.9 cm)
Package 2 Length	15.67 in (39.8 cm)
Package 2 Weight	10.89 lb(US) (4.94 kg)

## 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-CO<sub>2</sub> 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 >](#)

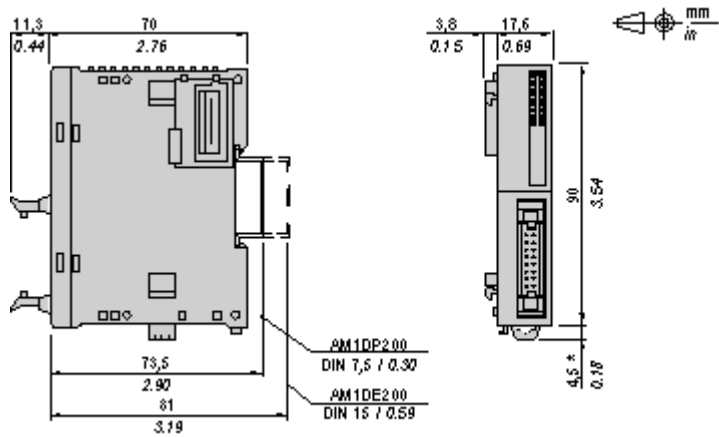
## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
 Pvc Free	
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Digital Transistor Output Module (16-channel, Source)

Dimensions

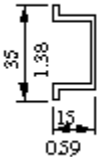


NOTE: \* 8.5 mm (0.33 in) when the clamp is pulled out.

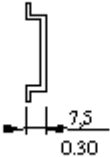
Mounting and Clearance

DIN Rail Mounting

AM1DE200  
IEC/EN 60715



AM1DP200



AM1ED200



DZ5MB200

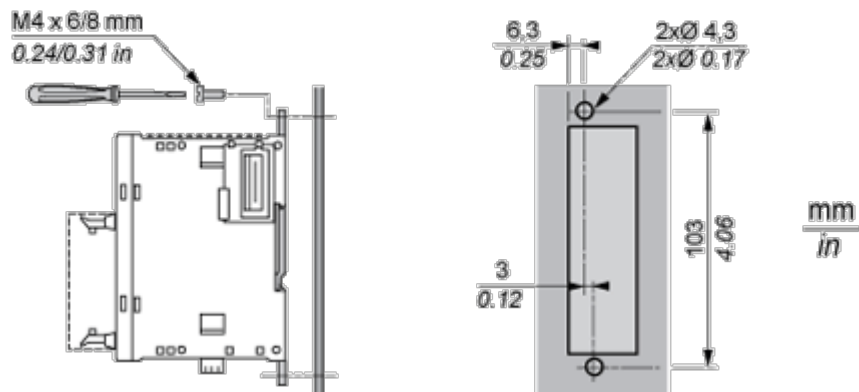


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

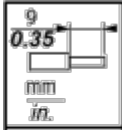


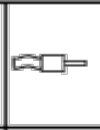
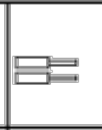
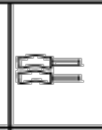
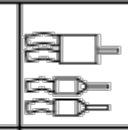

Mounting Hole Layout



Connections and Schema

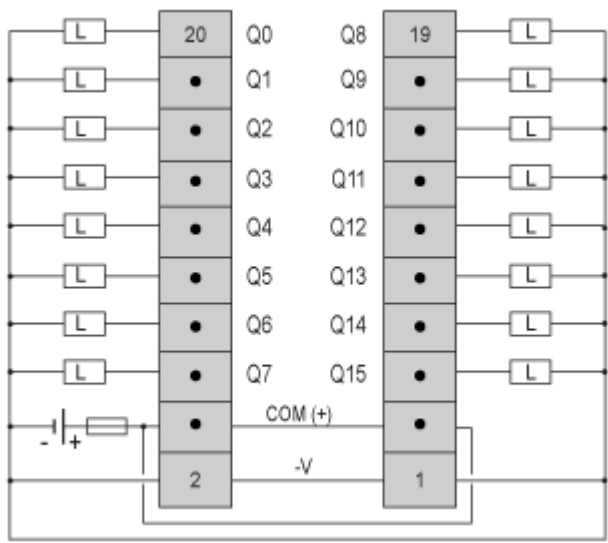
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

							
mm <sup>2</sup>	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, Source)

Wiring Diagram



L    Load

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