

# Product data sheet

Specifications



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

TM2DDO32TK

⚠ Discontinued - Service only

⚠ Discontinued on: Jun 28, 2019

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

### 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 reactivation
Overload Protection	With automatic reactivation
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

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	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
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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 >](#)

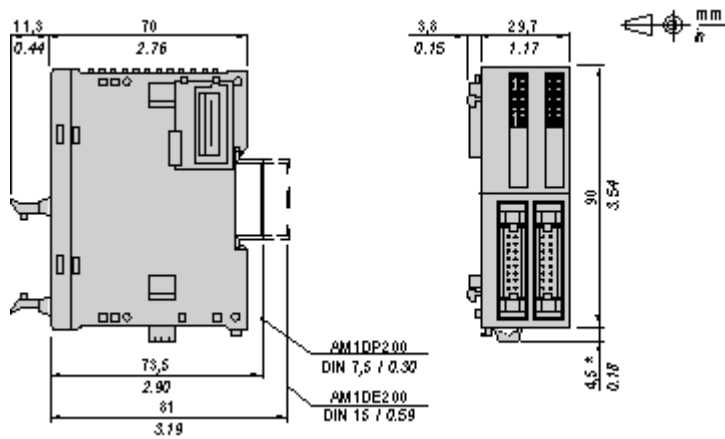
## Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	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 (32-channel, Source)

Dimensions

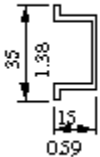


NOTE: \* 8.5 mm (0.33 in) when the clamp is pulled out.

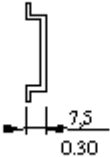
Mounting and Clearance

DIN Rail Mounting

AM1DE200  
IEC/EN 60715



AM1DP200



AM1ED200



DZ5MB200

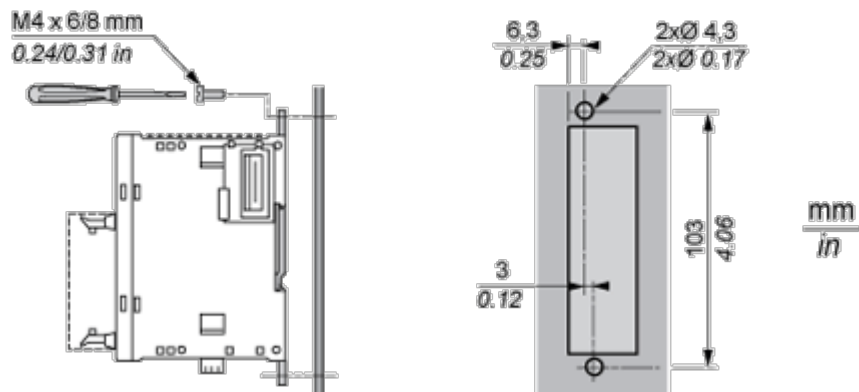


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

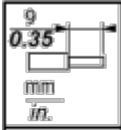


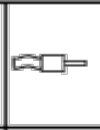
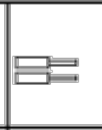
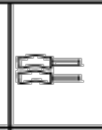
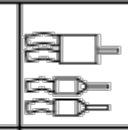

Mounting Hole Layout



Connections and Schema

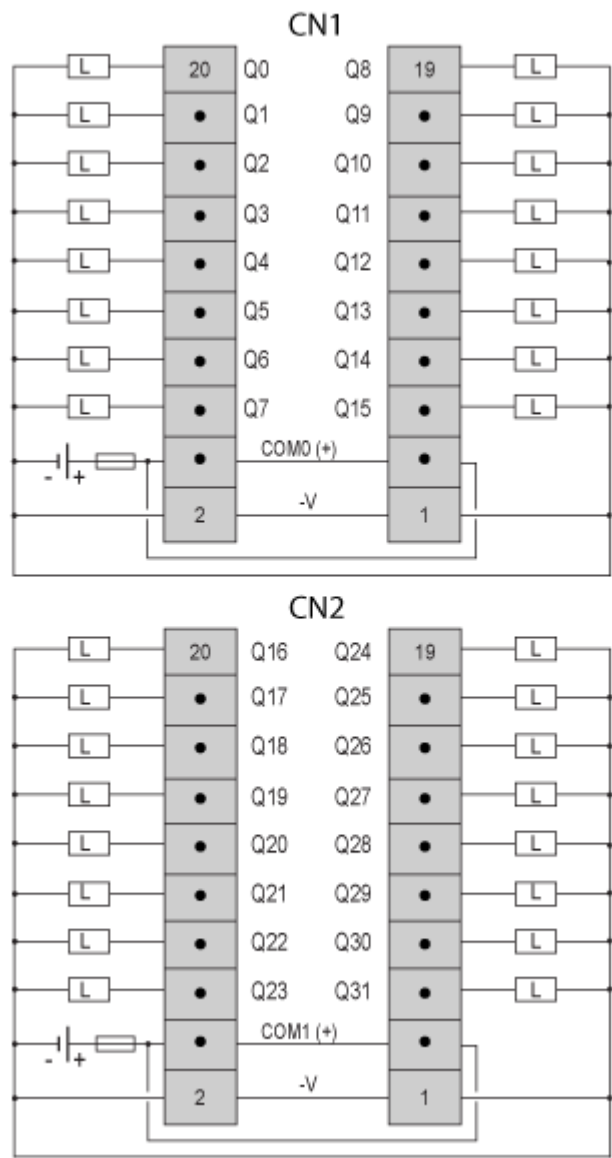
Wiring Requirements

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 (32-channel, Source)

Wiring Diagram



L    Load

Fuse value for the load: 0.4 A

Fuse value for the power supply: 2 A