

# Product data sheet

Specifications



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

TM2DDO32UK

⚠ 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

### 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	Sink
Discrete Output Current	0.1 A

### Complementary

Range Compatibility	Advantys OTB Twido
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	2
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	20 mA 5 V DC at state 1 for all output 70 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	0.23 lb(US) (0.105 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	3.20 in (81.3 mm)
Height	3.54 in (90 mm)
Width	1.32 in (33.5 mm)

## Ordering and shipping details

Category	US1PC1222531
Discount Schedule	PC12
Gtin	3595863995916
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	4.13 in (10.5 cm)
Package 1 Length	5.12 in (13.0 cm)
Package 1 Weight	7.23 oz (205.0 g)
Unit Type Of Package 2	S04
Number Of Units In Package 2	40
Package 2 Height	11.81 in (30 cm)
Package 2 Width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Package 2 Weight	18.08 lb(US) (8.2 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 >](#)

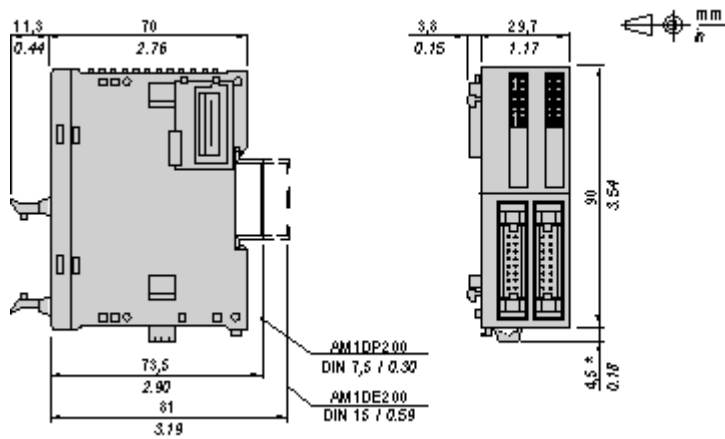
## Well-being performance

 Reach Free Of Svhc	
 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
 Pvc Free	
<b>Reach Regulation</b>	<a href="#">REACH Declaration</a>
<b>Eu Rohs Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope)
<b>China Rohs Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Weee</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
<b>California Proposition 65</b>	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, Sink)

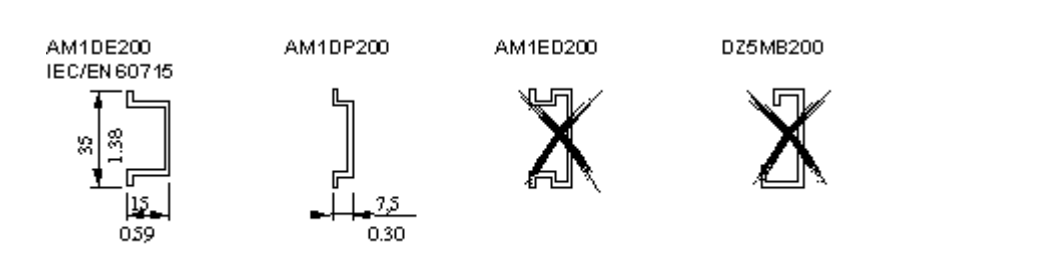
Dimensions



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

Mounting and Clearance

DIN Rail Mounting

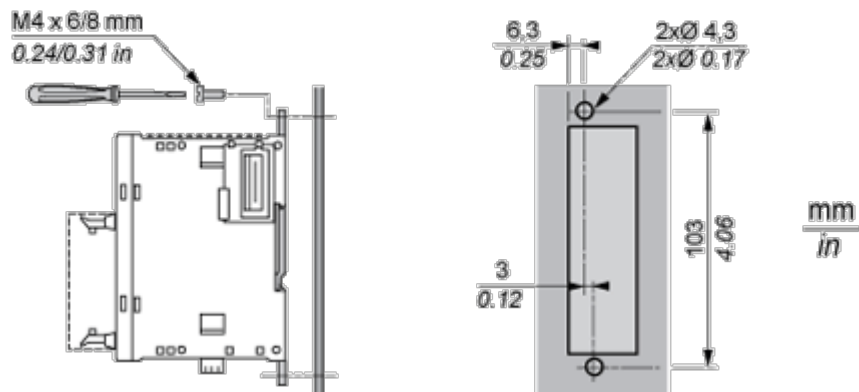


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

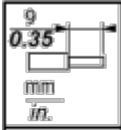


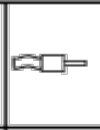
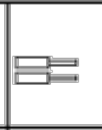
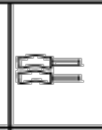
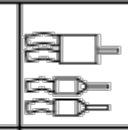

Mounting Hole Layout



Connections and Schema

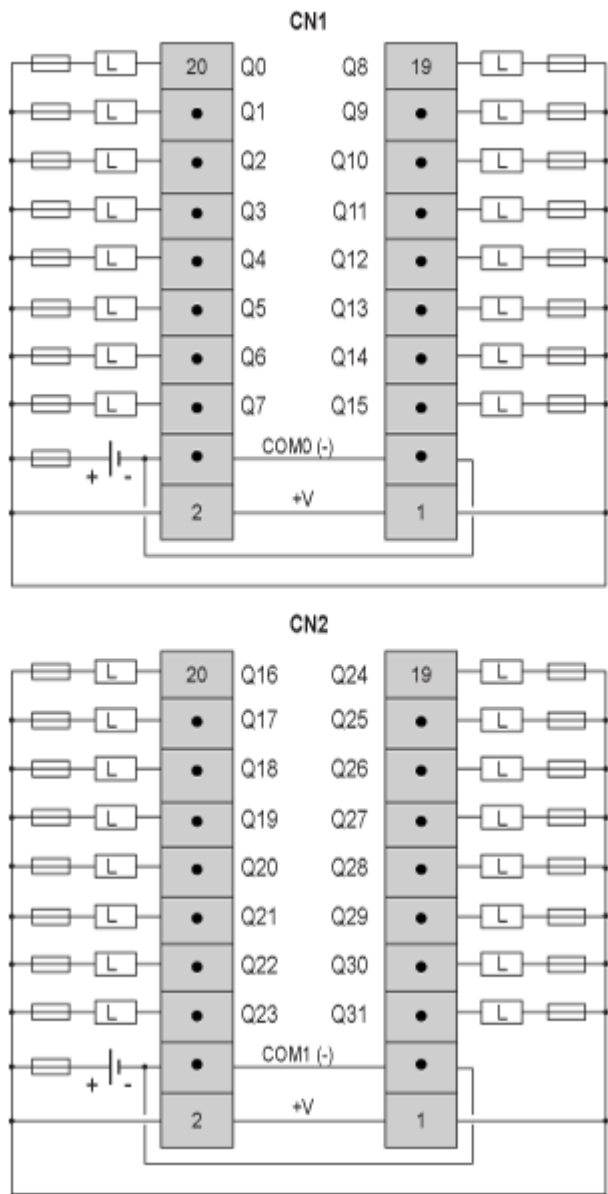
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

							
mm <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, Sink)

Wiring Diagram



L Load

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