

Product datasheet

Specifications



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

TM2DDO16UK

⚠ Discontinued on: Dec 11, 2024 AD

⚠ Discontinued

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 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	0.07 kg

Environment

Depth	81.3 mm
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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

Height	90 mm
Width	21.4 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	7.1 cm
Package 1 Length	12.5 cm
Package 1 Weight	168.0 g

Contractual warranty

Warranty (in months)	18
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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	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	Yes

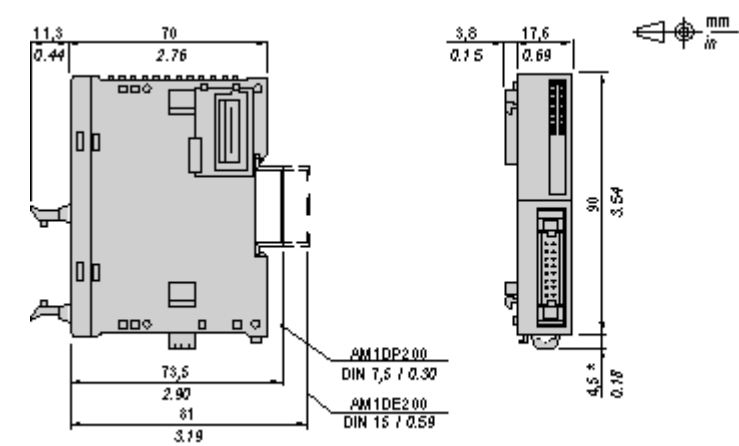
Use Longer

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

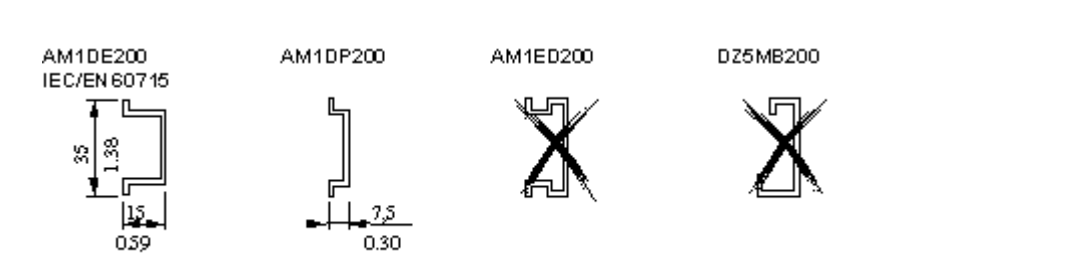
Dimensions



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

Mounting and Clearance

DIN Rail Mounting

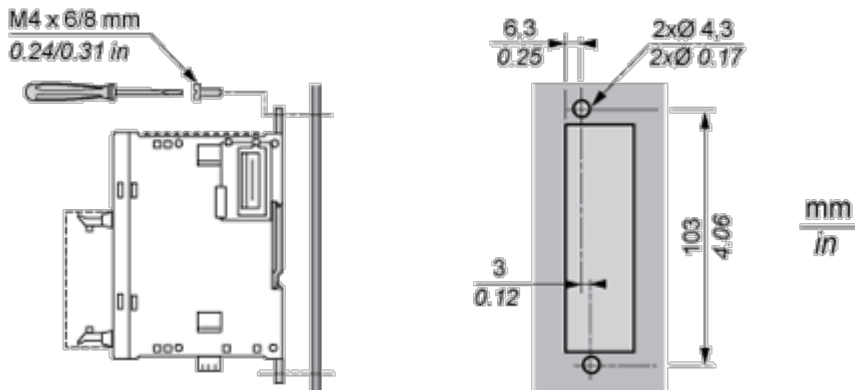


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

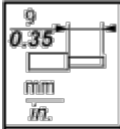
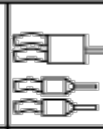
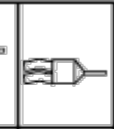
Mounting Hole Layout



Connections and Schema

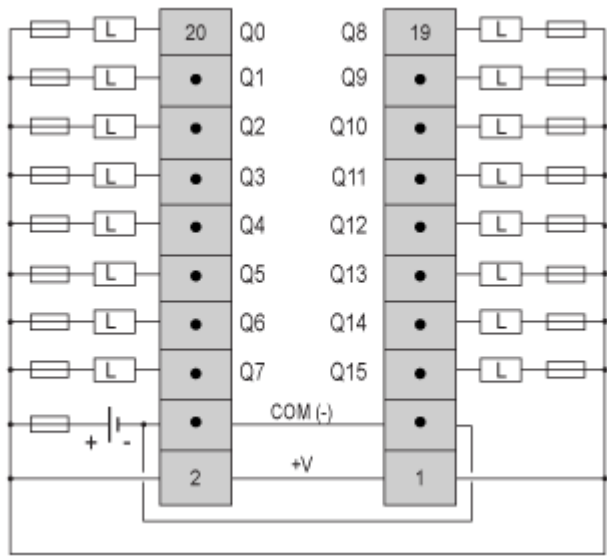
Wiring Requirements

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 (16-channel, Sink)

Wiring Diagram



L Load

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