TM2DDO16UK

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

Green Premium™

Commercial status

Discontinued on: 28 June 2019

To be end-of-service on: 30 June 2024

⚠ Restricted Sales for Services

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
Height	90 mm
Width	21.4 mm

Packing Units

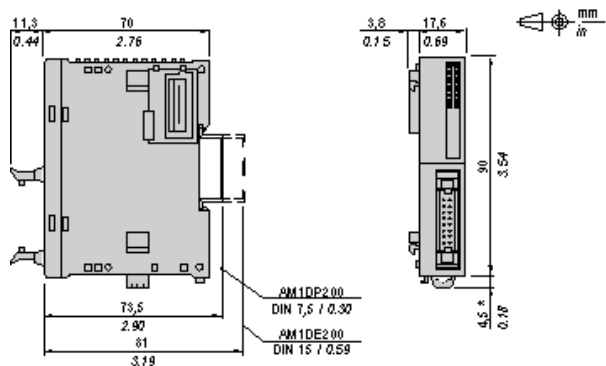|	
Package 1 Weight	0.168 kg
Package 1 Height	70.000 mm
Package 1 width	71.000 mm
Package 1 Length	125.000 mm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
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

Contractual warranty

Warranty	18 months

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TM2DDO16UK

Digital Transistor Output Module (16-channel, Sink)

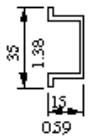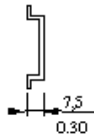### Dimensions

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

DIN Rail Mounting
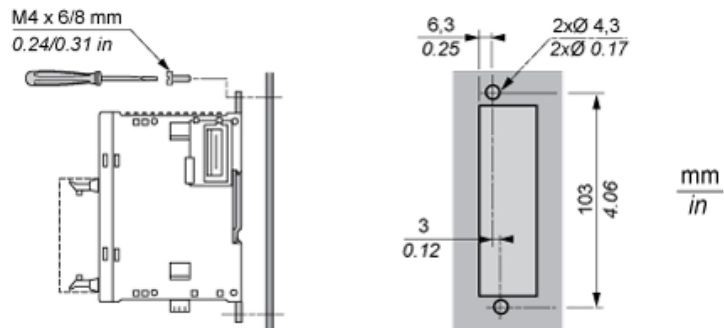
AM1DE200
IEC/EN 60715   AM1DP200   AM1ED200   DZ5MB200

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
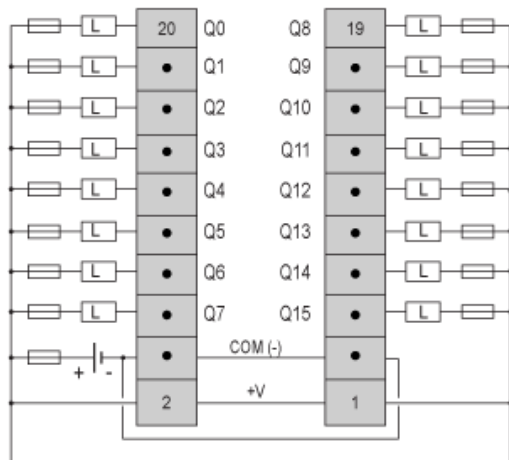
Module Mounting on a Panel Surface

Mounting Hole Layout

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Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

mm²	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

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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

TM2DDO16UK is replaced by the following product range:

Modicon TM3

Expansion I/O modules for Modicon M221, M241, M251 and M262

Boost the performance of your controller with the Modicon TM3 I/O system specially designed for the Modicon M221, M241, M251 and M262 logic controllers!