

TM2DDO16TK

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



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 at 5 V DC at state 1 for all output 20 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	11.0 cm
Package 1 Length	13.0 cm

Package 1 Weight	171.0 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	4.94 kg

Offer Sustainability

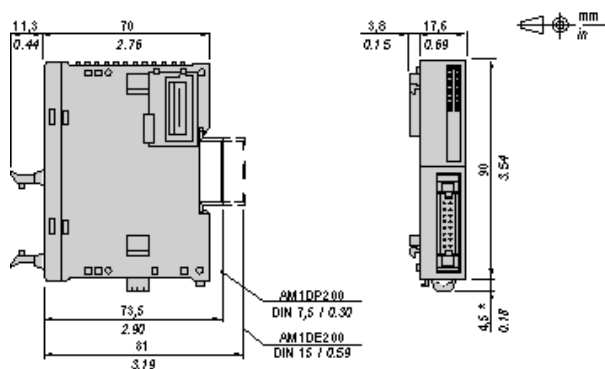
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

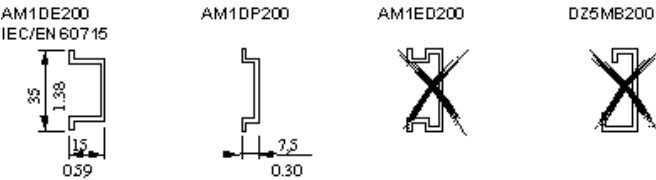
Warranty	18 months
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Digital Transistor Output Module (16-channel, Source)

Dimensions



DIN Rail Mounting

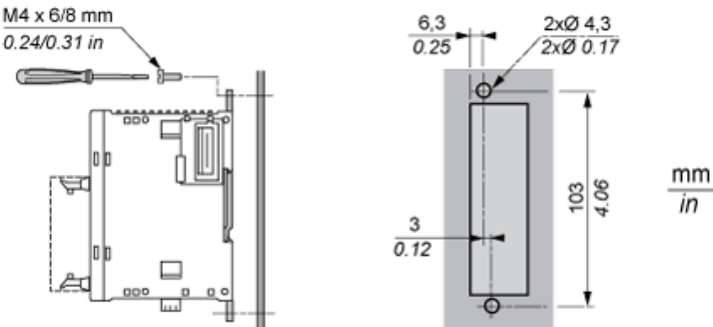


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout



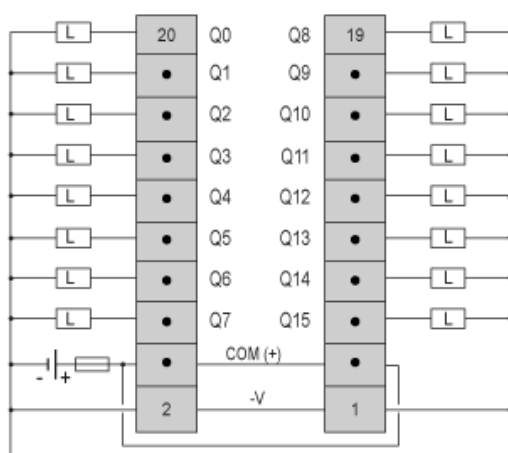
Wiring Requirements

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

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Wiring Diagram



L Load

Fuse value for the load: 0.4 A

Fuse value for the power supply: 2 A