Product data sheet
Characteristics

TM2DDO8TT
discrete output module M238 - 8 outputs 24 V transistor - 1 screw terminal block



Main

Range of product	Modicon M238 logic controller
Product or component type	Discrete output module
Discrete output number	8
Discrete output type	Transistor
Discrete output voltage	24 V
Discrete output logic	Source
Discrete output current	0.5 A

Complementary

Range compatibility	Advantys OTB Twido
Output voltage limits	20.4...28.8 V
Current per channel	0.6 A
Maximum current per output common	4 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	0.4 V at state 1
Maximum leakage current	0.1 mA
Maximum inductive load	10 mH
Maximum tungsten load	12 W
Short-circuit protection	With automatic reactivaton
Overload protection	With automatic reactivaton
Isolation between channels	None
Isolation between channels and internal logic	500 V for 1 minute
Current consumption	10 mA 5 V DC at state 1 for all output 20 mA 24 V DC at state 1 for all output
Local signalling	1 display block
Electrical connection	1 removable screw terminal block
Mounting support	35 mm symmetrical DIN rail
Net Weight	0.19 lb(US) (0.085 kg)

Environment

Maximum Depth	3.33 in (84.6 mm)
Maximum Height	3.54 in (90 mm)
Maximum Width	1.07 in (27.3 mm)

Ordering and shipping details

Category	22531 - PLCS, TWIDO, TWD
Discount Schedule	PC12
GTIN	00785901654421
Nbr. of units in pkg.	1
Package weight(Lbs)	0.42 lb(US) (0.19 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Returnability	No
Country of origin	JP

Packing Units

Package 1 Height	2.76 in (70.000 mm)
Package 1 width	3.94 in (100.000 mm)
Package 1 Length	4.92 in (125.000 mm)

Offer Sustainability

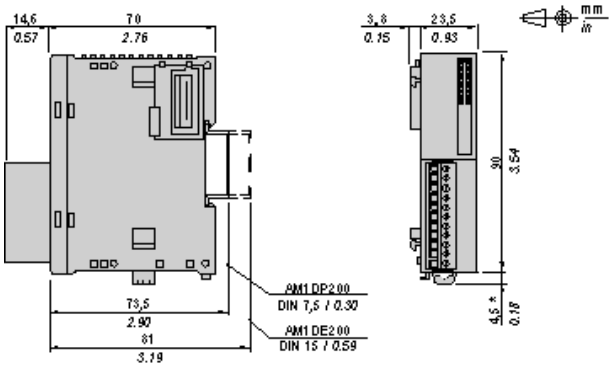
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product 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

Contractual warranty

Warranty	18 months

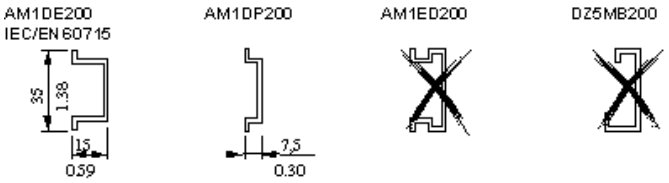
Digital Transistor Output Module (8-channel, Source)

Dimensions



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

DIN Rail Mounting

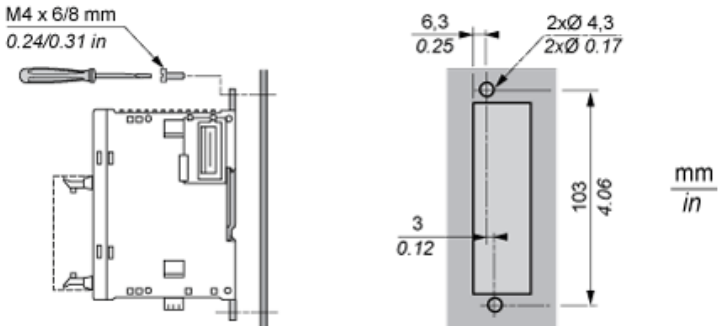


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

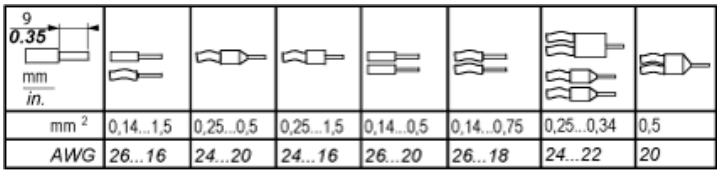
Module Mounting on a Panel Surface

Mounting Hole Layout



Wiring Requirements

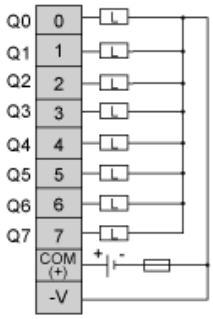
Cable Types and Wire Sizes for Removable Screw Terminal Block



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

Digital Transistor Output Module (8-channel, Source)

Wiring Diagram



L Load

Fuse value for the load: 4 A