

# 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

## Offer Sustainability

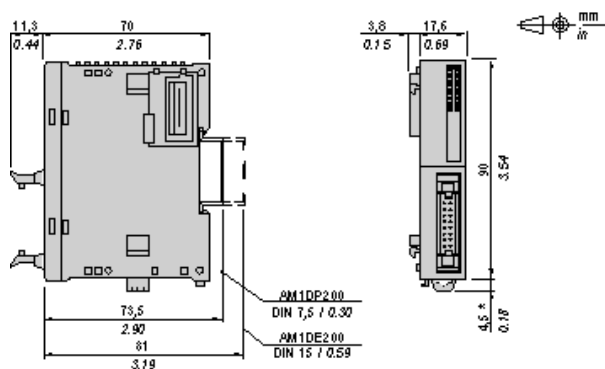
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
WEEE	The product must be disposed on European 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

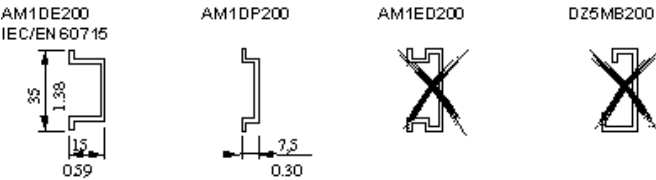
Warranty	18 months
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Digital Transistor Output Module (16-channel, Source)

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



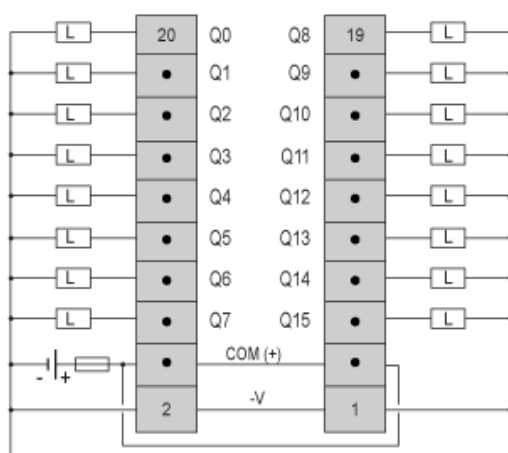
## Wiring Requirements

### Cable Types and Wire Sizes for Removable Screw Terminal Block

mm <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

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### Wiring Diagram



L Load

Fuse value for the load: 0.4 A

Fuse value for the power supply: 2 A