

# Product datasheet

Specifications



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

TM2DDO16TK

⚠ To be discontinued on: Sep 4, 2027

⚠ To be end-of-service on: Sep 4, 2033

⚠ 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	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 reactivoton
Overload protection	With automatic reactivoton
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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

## Environment

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Depth	81.3 mm
Height	90 mm
Width	21.4 mm

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## Packing Units

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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

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## Contractual warranty

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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](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

PVC free

Yes

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label

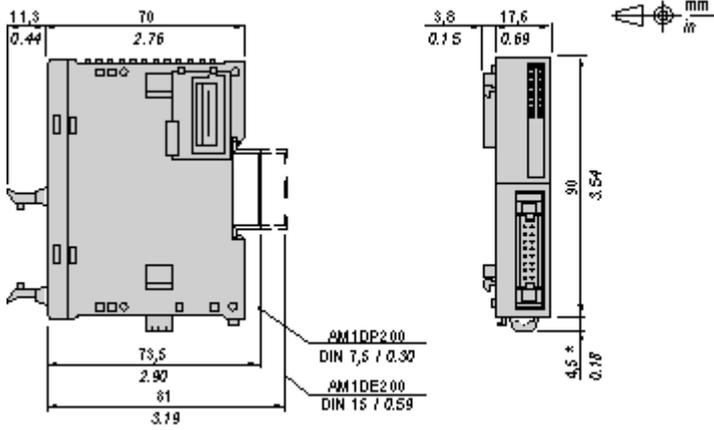


The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Digital Transistor Output Module (16-channel, Source)

Dimensions



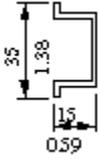
NOTE: \* 8.5 mm (0.33 in) when the clamp is pulled out.

Mounting and Clearance

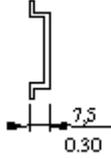
DIN Rail Mounting

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AM1DE200  
IEC/EN 60715



AM1DP200



AM1ED200



DZ5MB200



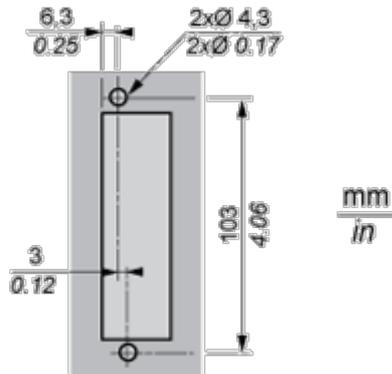
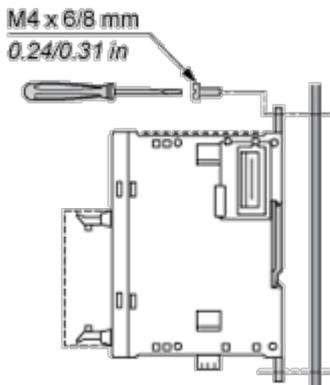
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

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Mounting Hole Layout

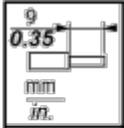
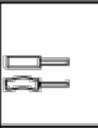
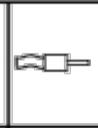
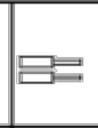
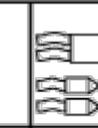
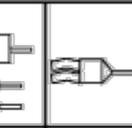


Connections and Schema

Wiring Requirements

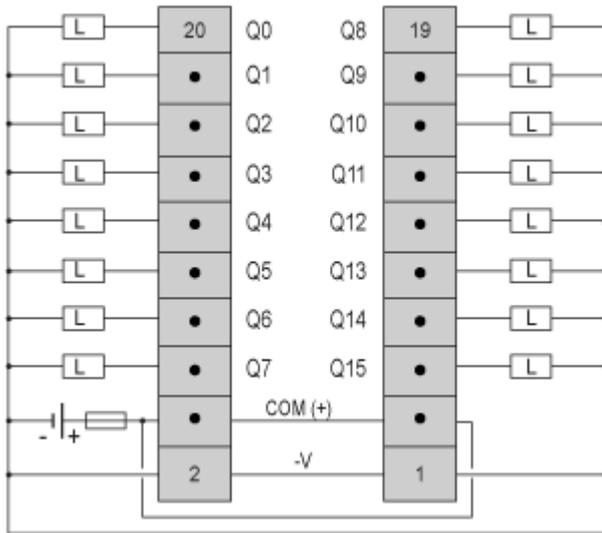
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Cable Types and Wire Sizes for Removable Screw Terminal Block

							
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

Digital Transistor Output Module (16-channel, Source)

Wiring Diagram



L Load

Fuse value for the load: 0.4 A

Fuse value for the power supply: 2 A