

Product datasheet

Specifications



discrete output module M238 - 32 outputs 24 V transistor - 1 connector HE10

TM2DDO32TK

⚠ Discontinued on: Jul 7, 2021

⚠ To be end-of-service on: Jun 30, 2024

⚠ Discontinued - Service only

Price: 6,711,100.00 IDR

Main

| | |
|---------------------------|-------------------------------|
| Range Of Product | Modicon M238 logic controller |
| Product Or Component Type | Discrete output module |
| Discrete Output Number | 32 |
| Discrete Output Type | Transistor |
| Discrete Output Voltage | 24 V |
| Discrete Output Logic | Source |
| Discrete Output Current | 0.4 A |

Complementary

| | |
|--|---|
| Range Compatibility | Advantys OTB Twido |
| 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 | 2 |
| 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 | 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 | 25 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 |

Disclaimer: 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

| | |
|------------|----------|
| Net Weight | 0.105 kg |
|------------|----------|

Environment

| | |
|--------|---------|
| Depth | 81.3 mm |
| Height | 90 mm |
| Width | 33.5 mm |

Packing Units

| | |
|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 7.0 cm |
| Package 1 Width | 10.0 cm |
| Package 1 Length | 12.5 cm |
| Package 1 Weight | 210.0 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 | 5.89 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

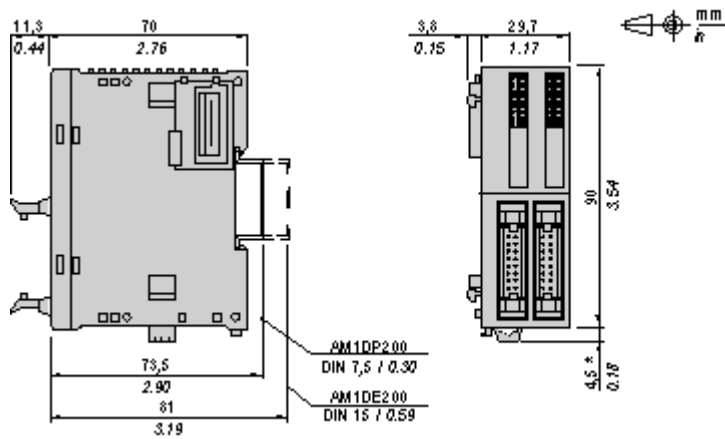
Well-being performance

| | | |
|-----------------------|----------------------------|---|
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Pvc Free | |
| | | |
| Reach Regulation | | REACH Declaration |
| | | |
| Eu Rohs Directive | | Pro-active compliance (Product out of EU RoHS legal scope) |
| | | |
| China Rohs Regulation | | China RoHS declaration |
| | | |
| Weee | | 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 (32-channel, Source)

Dimensions

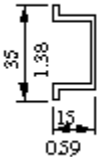


NOTE: * 8.5 mm (0.33 in) when the clamp is pulled out.

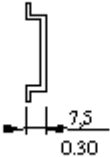
Mounting and Clearance

DIN Rail Mounting

AM1DE200
IEC/EN 60715



AM1DP200



AM1ED200



DZ5MB200

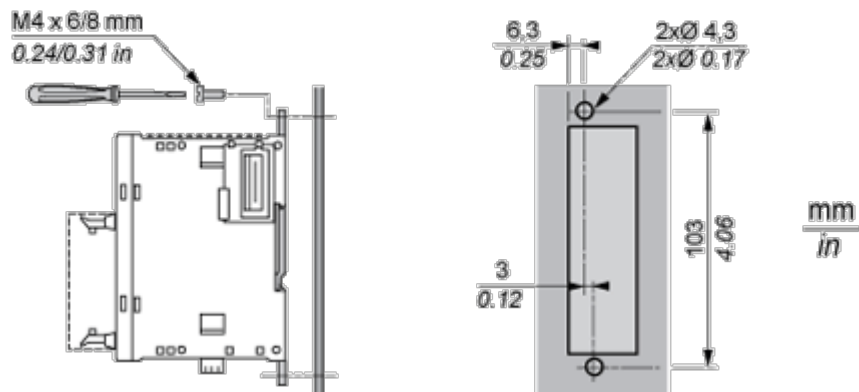


| Rail depth | Catalogue part number |
|-------------------|-----------------------|
| 15 mm (0.59 in.) | AM1DE200 |
| 7,5 mm (0.30 in.) | AM1DP200 |

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

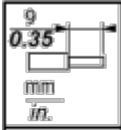


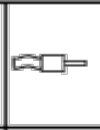
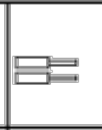
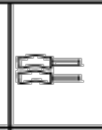
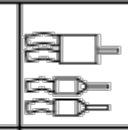

Mounting Hole Layout



Connections and Schema

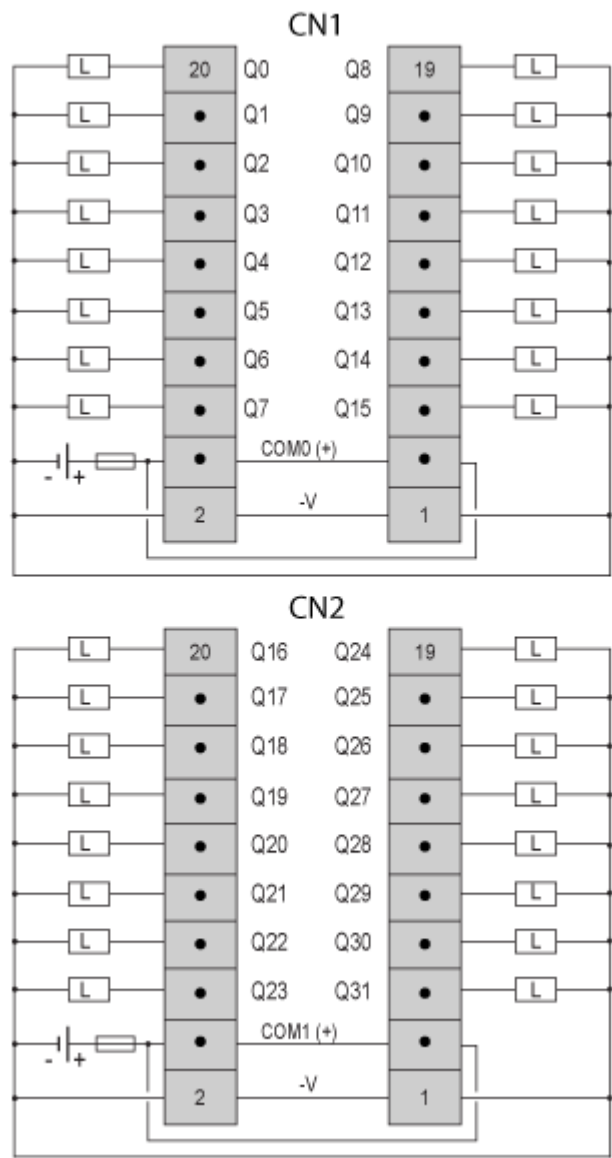
Wiring Requirements

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 (32-channel, Source)

Wiring Diagram



L Load

Fuse value for the load: 0.4 A
Fuse value for the power supply: 2 A