

Product data sheet

Characteristics

TM2DDO8TT

Discrete output module, Modicon M238 logic controller, 8 outputs 24V 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 reactivation |
| Overload protection | With automatic reactivation |
| Isolation between channels | None |
| Isolation between channels and internal logic | 500 V for 1 minute |
| Current consumption | 10 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 | 1 display block |
| Electrical connection | 1 removable screw terminal block |
| Mounting support | 35 mm symmetrical DIN rail |
| Net weight | 0.085 kg |

Environment

| | |
|--------|---------|
| Depth | 84.6 mm |
| Height | 90 mm |
| Width | 27.3 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 | 184.0 g |

Offer Sustainability

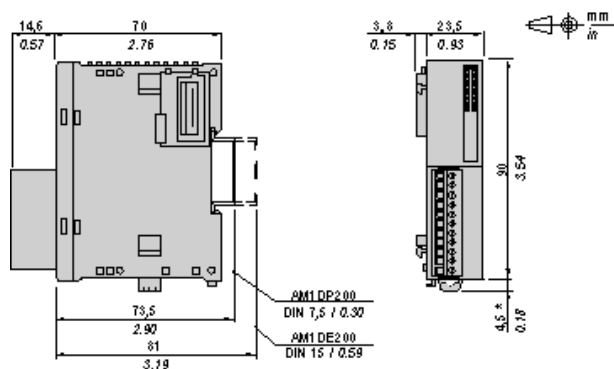
| | |
|----------------------------|---|
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| WEEE | The product must 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 |
|----------|-----------|

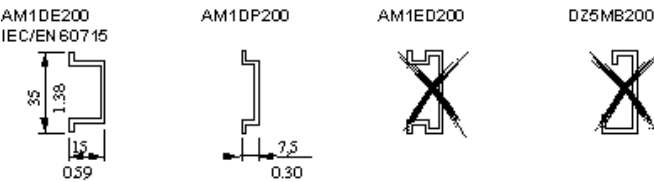
Digital Transistor Output Module (8-channel, Source)

Dimensions



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

DIN Rail Mounting

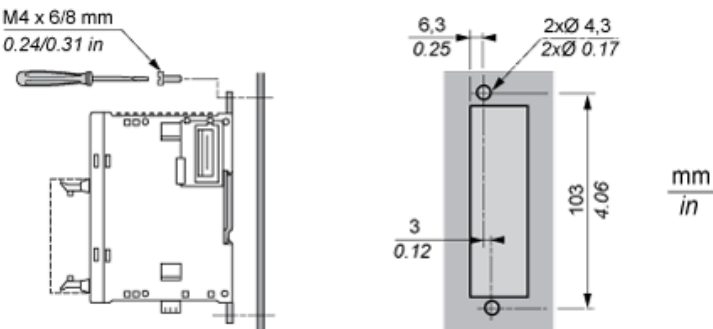


| Rail depth | Catalogue part number |
|-------------------|-----------------------|
| 15 mm (0.59 in.) | AM1DE200 |
| 7,5 mm (0.30 in.) | AM1DP200 |

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout



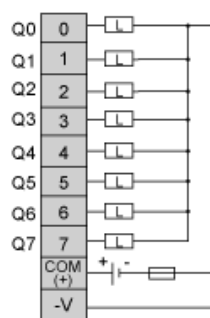
Wiring Requirements

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