



## 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<br>Twido                                                             |
| Output voltage limits                         | 20.4...28.8 V                                                                     |
| Current per channel                           | 0.48 A                                                                            |
| Current per output common                     | 2 A                                                                               |
| Number of common point                        | 2                                                                                 |
| Response time                                 | 450 µs from state 0 to state 1<br>450 µs from state 1 to state 0                  |
| [Ures] residual voltage                       | <= 0.4 V at state 1                                                               |
| Leakage current                               | 0.1 mA                                                                            |
| Inductive load                                | <= 10 mH                                                                          |
| 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 5 V DC at state 1 for all output<br>40 mA 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                                                        |
| Product weight                                | 0.23 lb(US) (0.105 kg)                                                            |

## Environment

|        |                   |
|--------|-------------------|
| depth  | 3.2 in (81.3 mm)  |
| height | 3.54 in (90 mm)   |
| width  | 1.32 in (33.5 mm) |

## Offer Sustainability

|                                                                       |                                                                       |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Green Premium product                                                 | Green Premium product                                                 |
| Compliant - since 1039 - Schneider Electric declaration of conformity | Compliant - since 1039 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold                     | Reference not containing SVHC above the threshold                     |
| Available                                                             | Available                                                             |
| Available                                                             | Available                                                             |
| WARNING: This product can expose you to chemicals including:          | WARNING: This product can expose you to chemicals including:          |

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Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

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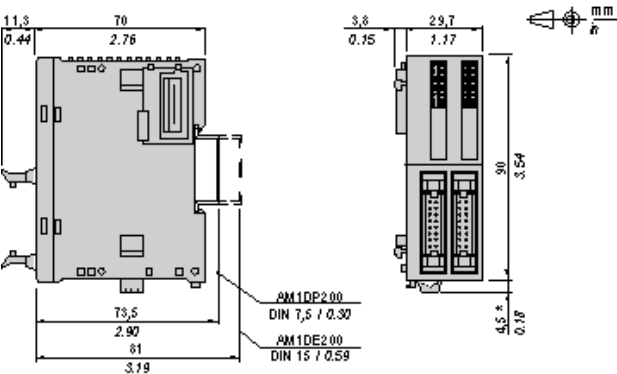
### Contractual warranty

Warranty period

18 months

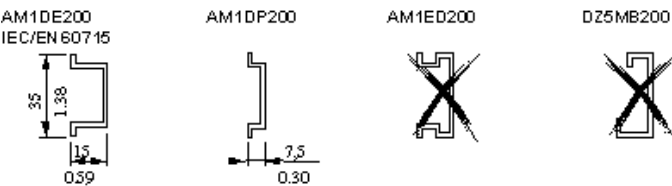
### Digital Transistor Output Module (32-channel, Source)

#### Dimensions



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

### DIN Rail Mounting

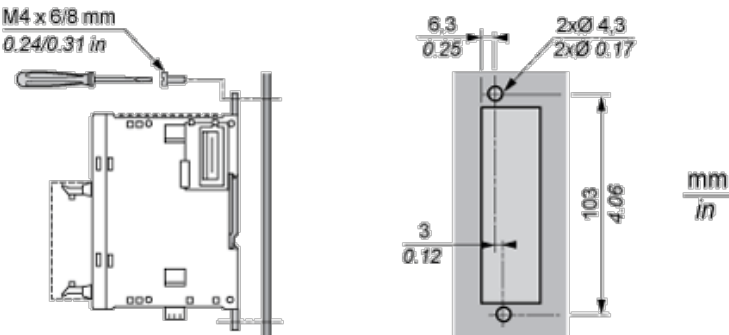


| Rail depth        | Catalogue part number |
|-------------------|-----------------------|
| 15 mm (0.59 in.)  | AM1DE200              |
| 7,5 mm (0.30 in.) | AM1DP200              |

NOTE: Do not use AM1ED200 and DZ5MB200

### Module Mounting on a Panel Surface

#### Mounting Hole Layout



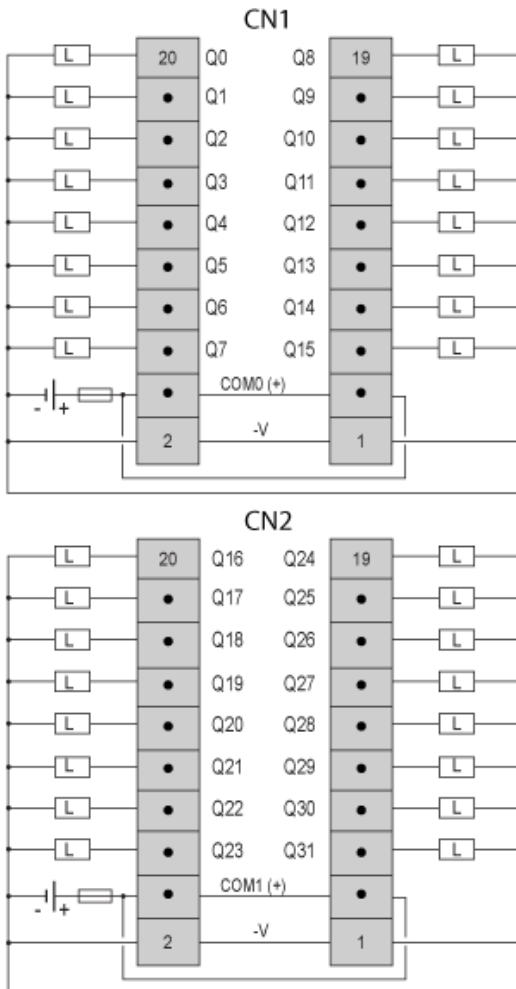
### Wiring Requirements

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

|                 |            |            |            |            |             |             |     |
|-----------------|------------|------------|------------|------------|-------------|-------------|-----|
|                 |            |            |            |            |             |             |     |
| mm <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