

Main

| | |
|---------------------------|---------------------------------------|
| Commercial Status | Commercialised |
| Range of product | Modicon M238 logic controller |
| Product or component type | Analog output module |
| Analogue output number | 1 |
| Analogue output type | Voltage 0...10 V Current 4...20 mA |

Complementary

| | |
|---|---|
| Range compatibility | Advantys OTB Twido |
| Analogue output resolution | 12 bits |
| LSB value | 4.8 μ A current current 2.5 mV voltage voltage |
| Load type | Resistive |
| Load impedance ohmic | ≥ 2000 Ohm voltage ≤ 300 Ohm current |
| Stabilisation time | 10 ms |
| Conversion time | 10 ms + 1 controller cycle time |
| Measurement error | ± 0.2 % of full scale 25 °C |
| Temperature coefficient | ± 0.015 %FS/°C |
| Repeat accuracy | ± 0.5 %FS |
| Non-linearity | ± 0.2 %FS |
| Output ripple | ≤ 1 LSB |
| Total error | ± 1 %FS |
| Type of cable | Twisted shielded cable |
| Insulation between channel and internal logic | Photocoupler |
| Supply | External supply |
| [Us] rated supply voltage | 24 V DC |
| Supply voltage limits | 19.2...30 V |
| Electrical connection | 1 removable screw terminal block |
| Current consumption | 50 mA 5 V DC internal 40 mA 24 V DC external |
| Product weight | 0.085 kg |

Environment

| | |
|---------------------|---|
| Dielectric strength | 500 V between the I/O and the external supply circuit 500 V between the I/O and internal logic |
| Width | 23.5 mm |
| Depth | 70 mm |
| Height | 90 mm |

RoHS compliance

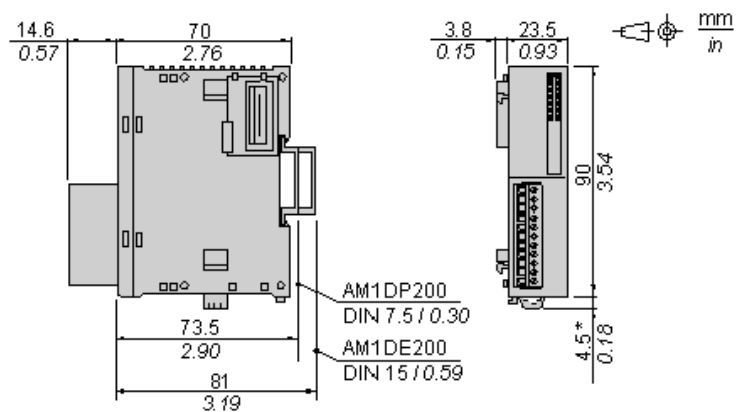
| | |
|--------------------------------|-----------|
| RoHS EUR status | Compliant |
| RoHS EUR conformity date(YYWW) | 0830 |

Contractual warranty

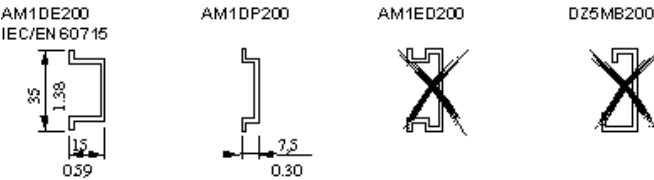
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|--------|-----------|
| Period | 18 months |
|--------|-----------|

Analog Output Module (1-channel, Voltage/Current)

Dimensions



DIN Rail Mounting

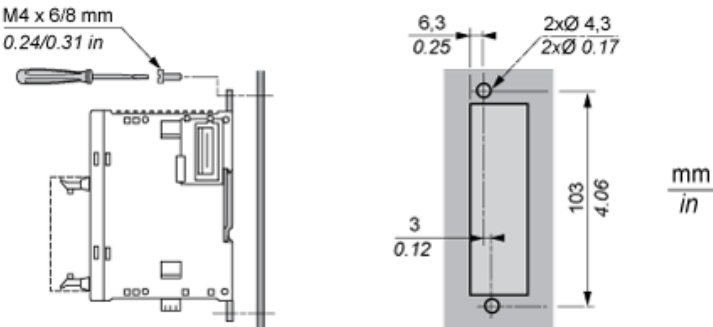


| Rail depth | Catalogue part number |
|-------------------|-----------------------|
| 15 mm (0.59 in.) | AM1DE200 |
| 7,5 mm (0.30 in.) | AM1DP200 |

NOTE: Do not use AM1ED200 and DZ5MB200

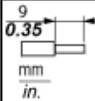
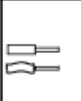
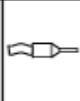
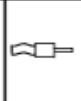

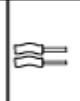
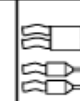

Module Mounting on a Panel Surface

Mounting Hole Layout



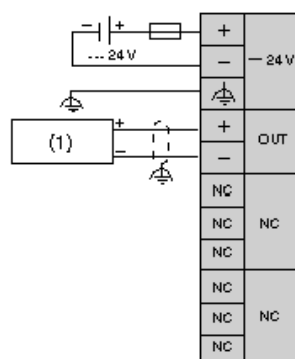
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

| | | | | | | | |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| mm 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 |

Analog Output Module (1-channel, Voltage/Current)

Wiring Diagram



(1) Voltage/current preactuator

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