

TM2AMO1HT

Analog output module, Modicon M238 logic controller, 1 output voltage/current, 1 screw terminal block



Main

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

Complementary

Range compatibility	Advantys OTB Twido
Analogue output resolution	12 bits
LSB value	2.5 mV voltage voltage 4.8 µA current current
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 at 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 at 5 V DC internal 40 mA at 24 V DC external
Net 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.3 cm
Package 1 Width	10.3 cm
Package 1 Length	12.5 cm
Package 1 Weight	196.0 g

Offer Sustainability

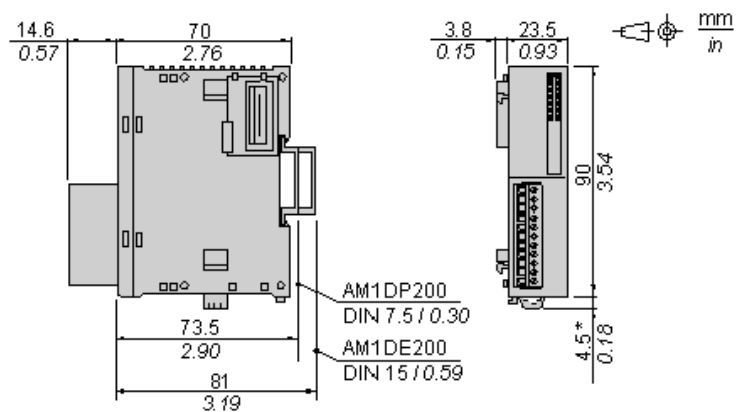
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months
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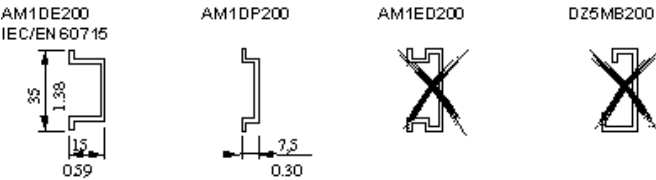
Analog Output Module (1-channel, Voltage/Current)

Dimensions



NOTE: * 8.5 mm (0.33 in) when the clip-on lock 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



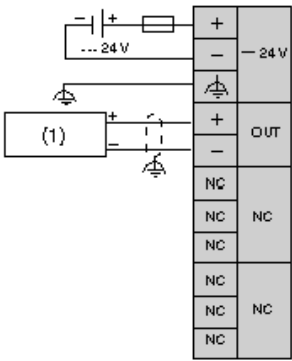
Wiring Requirements

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

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

Wiring Diagram



(1) Voltage/current preactuator