



Main

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

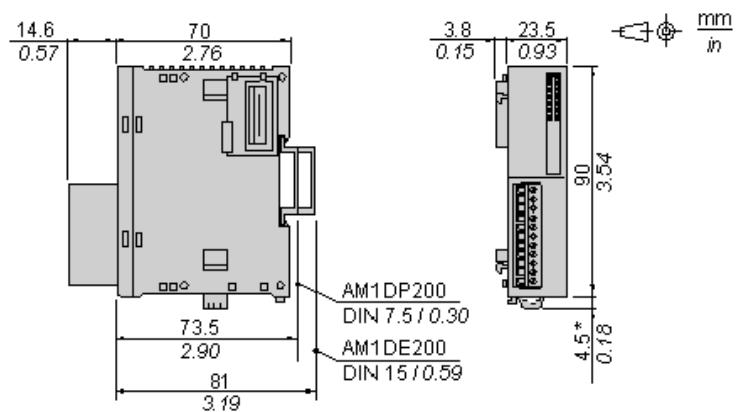
Dielectric strength	500 V between the I/O and the external supply circuit 500 V between the I/O and internal logic
Width	23.5 mm
Depth	70 mm
Height	90 mm

Offer Sustainability

Sustainable offer status	Not Green Premium product
Product environmental profile	Available  Download Product Environmental

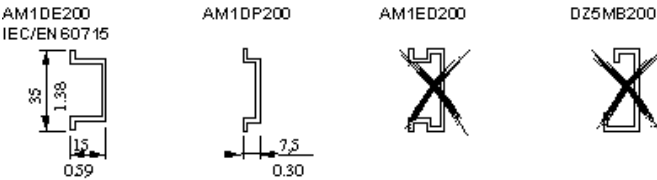
Analog Output Module (1-channel, Voltage/Current)

Dimensions



NOTE: * 8.5 mm (0.33 in) when the clip-on lock is pulled out.

DIN Rail Mounting

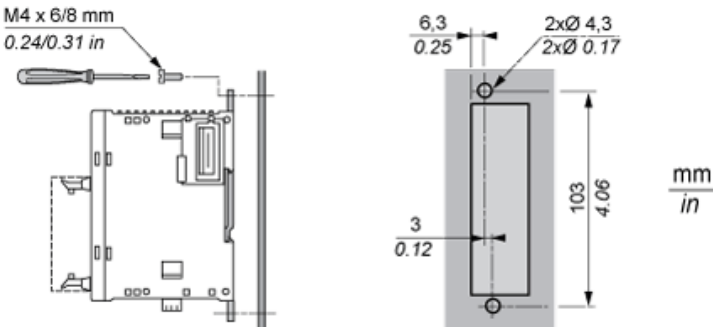


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout



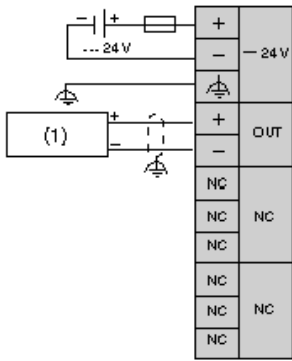
Wiring Requirements

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