

Product datasheet

Characteristics

TM2ARI8LRJ

analog input module - 8 I - 200..600 °C - 12 bits - 24 V DC - RJ11 connectors



Main

Range of product	Modicon M238 logic controller
Product or component type	Analog input module
Analogue input number	8
Analogue input type	Temperature probe - 200...600 °C Pt 100 non differential Temperature probe - 50...200 °C Pt 1000 non differential

Complementary

Range compatibility	Advantys OTB Twido
Analogue input resolution	12 bits
LSB value	0.006 °C Pt 1000 0.2 °C Pt 100
Input impedance	>= 10 kOhm
Sampling duration	<= 160 ms
Acquisition period	320 ms per group of channel + 1 controller cycle time
Measurement error	+/- 0.3 % of full scale Pt 1000 25 °C +/- 0.5 % of full scale Pt 100 25 °C
Temperature coefficient	+/-0.01 %FS/°C
Repeat accuracy	+/- 0.1 °C
Total error	1 °C Pt 1000 4 °C Pt 100
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 power supply 8 connectors RJ11 sensors
Current consumption	<= 140 mA 24 V DC external 90 mA 5 V DC internal
Product weight	0.19 kg

Environment

dielectric strength	2500 V between the I/O and internal logic 500 V between the I/O and the external supply circuit
width	39.1 mm
depth	70 mm
height	90 mm

Offer Sustainability

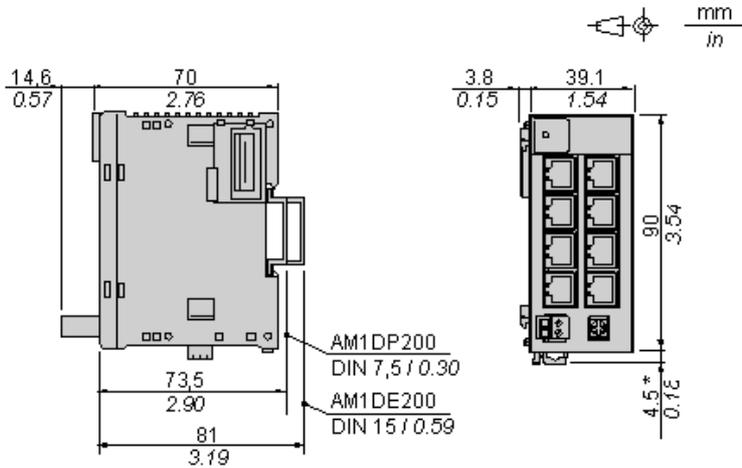
Sustainable offer status	Green Premium product
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RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

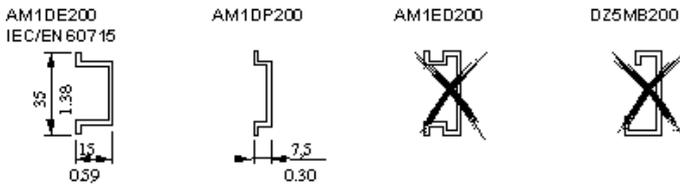
Analog Input Module (8-channel, Temperature Probe)

Dimensions



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

DIN Rail Mounting

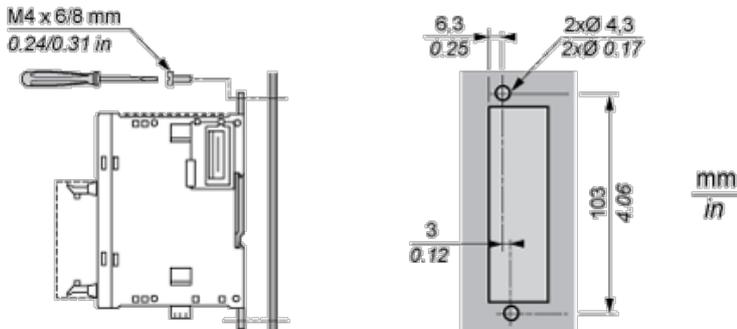


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

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

9 0.35 mm in.							
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

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Wiring Diagram

