

TM2ARI8LRJ

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

Product availability : Non-Stock - Not normally stocked in distribution facility



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	$\geq 10 \text{ k}\Omega$
Sampling duration	$\leq 160 \text{ ms}$
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	0.42 lb(US) (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	1.54 in (39.1 mm)
Depth	2.76 in (70 mm)
Height	3.54 in (90 mm)

Ordering and shipping details

Category	22531 - PLCs, TWIDO, TWD
Discount Schedule	PC12
GTIN	00785901663058
Nbr. of units in pkg.	1
Package weight(Lbs)	0.4100000000000003
Returnability	N
Country of origin	FR

Offer Sustainability

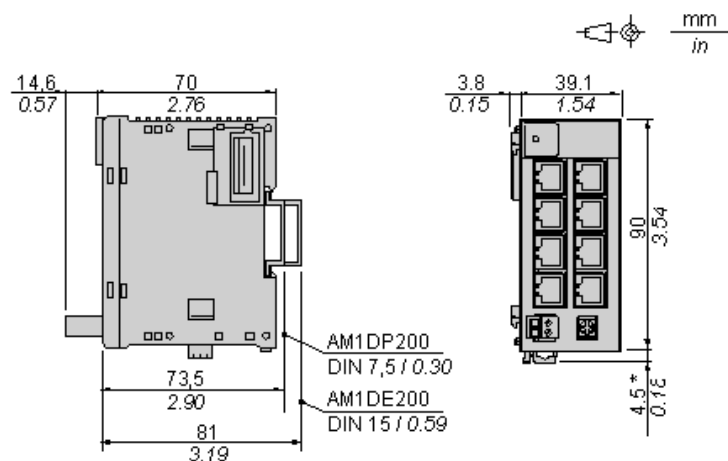
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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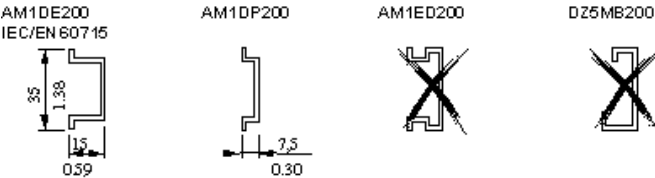
Analog Input Module (8-channel, Temperature Probe)

Dimensions



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

DIN Rail Mounting

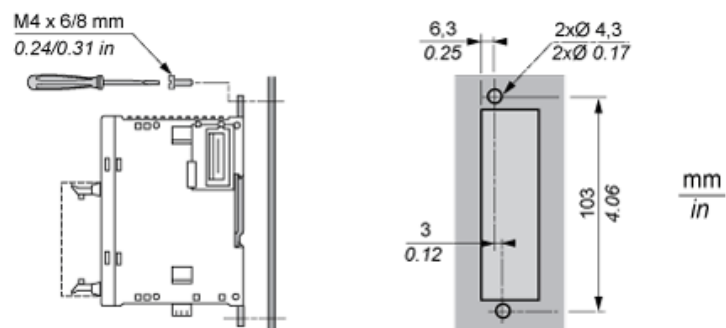


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

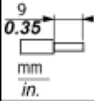
Module Mounting on a Panel Surface

Mounting Hole Layout



Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

							
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

