

TM2ARI8HT

analog input module M238 - 8 inputs temperature
100...10000 Ohm non differential



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

Price*: 671.00 USD



Main

Commercial Status	Commercialised
Range of product	Modicon M238 logic controller
Product or component type	Analog input module
Analogue input number	8
Analogue input type	Temperature probe 100...10000 Ohm PTC/NTC non differential
Cross talk	<= 1 LSB

Complementary

Range compatibility	Advantys OTB Twido
Analogue input resolution	10 bits NTC
Input impedance	>= 1 MOhm
Sampling duration	<= 160 ms
Acquisition period	160 ms per channel + 1 controller cycle time
Measurement error	+/- 0.2 % of full scale 25 °C
Temperature coefficient	+/-0.01 %FS/°C
Repeat accuracy	+/- 0.4 %FS
Non-linearity	+/- 0.002 %FS
Total error	+/-1 %FS
Type of cable	Shielded cable
Insulation between channel and internal logic	Photocoupler
Supply	External supply
[Us] rated supply voltage	24 V DC
Supply voltage limits	20.4...28.8 V
Electrical connection	1 removable screw terminal block sensors 1 removable screw terminal block power supply
Current consumption	60 mA 5 V DC internal 45 mA 24 V DC external
Product weight	0.19 lb(US) (0.085 kg)

Environment

Dielectric strength	2500 V between the I/O and internal logic
Width	0.93 in (23.5 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	00785901914150
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Offer Sustainability

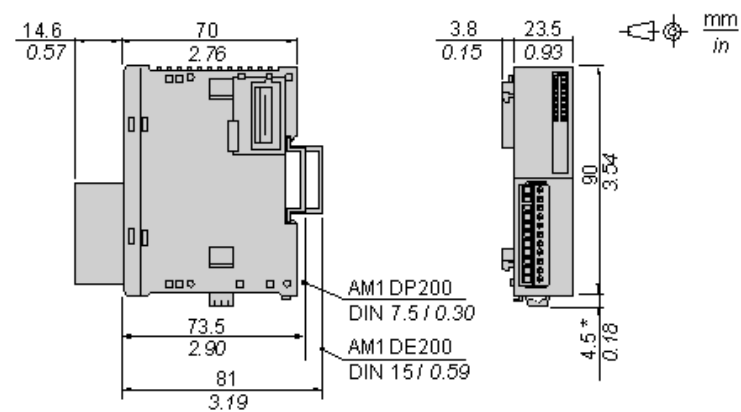
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions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

Contractual warranty

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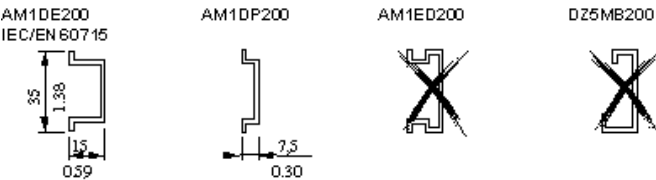
Analog Input Module (8-channel, Temperature)

Dimensions



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

DIN Rail Mounting

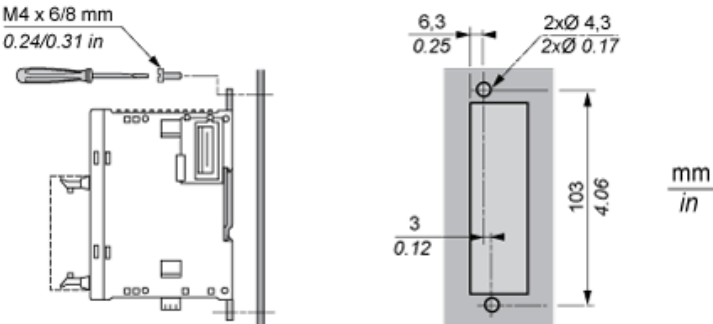


Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

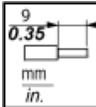
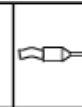
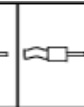
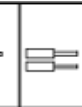
Module Mounting on a Panel Surface

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

