Product data sheet

Specifications





I/O expansion module, Modicon M238 logic controller, Twido, 2 inputs voltage/current high level, non differential, wear part

TM2AMI2HT

① Discontinued - Service only

- ! Discontinued on: Dec 1, 2020
- ! To be end-of-service on: Jun 30, 2024

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

Main

Range Of Product	Modicon M238 logic controller	
Product Or Component Type	I/O expansion module	
Analogue Input Number	2	
Input Level	High level	
Analogue Input Type	current 420 mA non differential voltage 010 V non differential	
Cross Talk	<= 2 LSB	

Complementary

Range Compatibility	Twido	
	Advantys OTB	
Analogue Input Resolution	12 bits	
Lsb Value	2.5 mV voltage voltage 4.8 µA current current	
Permissible Continuous Overload	40 mA current 13 V voltage	
Input Impedance	>= 1 MOhm voltage 10 Ohm current	
Sampling Duration	10 ms	
Acquisition Period	10 ms per channel + 1 controller cycle time	
Measurement Error	+/- 0.2 % of full scale 25 °C	
Temperature Coefficient	+/-0.006 %FS/°C	
Repeat Accuracy	+/-0.5 %FS	
Non-Linearity	+/- 0.2 %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	20.428.8 V	

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical Connection	1 removable screw terminal block	
Current Consumption	50 mA 5 V DC internal 40 mA 24 V DC external	
Net Weight	0.19 lb(US) (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	0.93 in (23.5 mm)	
Depth	2.76 in (70 mm)	
Height	3.54 in (90 mm)	

Ordering and shipping details

Category	US1PC1222531
Discount Schedule	PC12
Gtin	3595863996111
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.95 in (7.5 cm)
Package 1 Width	4.13 in (10.5 cm)
Package 1 Length	5.12 in (13.0 cm)
Package 1 Weight	6.95 oz (197.0 g)
Unit Type Of Package 2	S01
Number Of Units In Package 2	6
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	2.88 lb(US) (1.307 kg)

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance



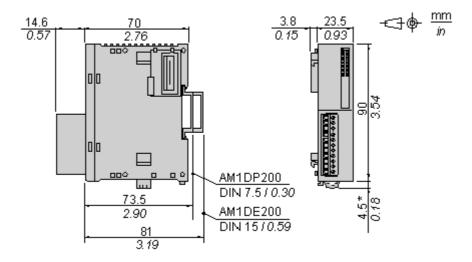
Certifications & Standards

Reach Regulation	REACh Declaration	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
China Rohs Regulation	China RoHS declaration	
Environmental Disclosure	Product Environmental Profile	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	
Circularity Profile	End of Life Information	
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	

Dimensions Drawings

Analog Input Module (2-channel, Voltage/Current)

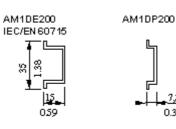
Dimensions



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

Mounting and Clearance

DIN Rail Mounting





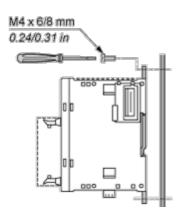


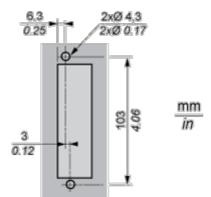
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout





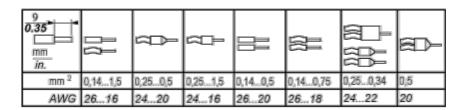
Product data sheet

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Connections and Schema

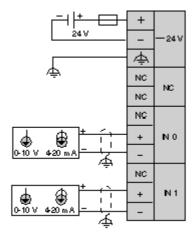
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block



Analog Input Module (2-channel, Voltage/Current)

Wiring Diagram



The (-) poles of inputs IN0 and IN1 are connected internally.