Product data sheet Characteristics

TM2AMM3HT

Input/output analog module, Modicon M238 logic controller, 2 inputs voltage/current high level, 1 output





Main

Range of Product	Modicon M238 logic controller
Product or Component Type	Input/output analog module
Analogue input number	2
Input level	High level
Analogue input type	Current 420 mA non differential Voltage 010 V non differential
Analogue output number	1
Analogue output type	Current 420 mA Voltage 010 V
Cross talk	<= 2 LSB

Complementary

Range Compatibility	Twido Advantys OTB			
Analogue input resolution	12 bits			
Analogue output 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	>= 10 Ohm current >= 1 MOhm voltage			
Load type	Resistive			
Load impedance ohmic	>= 2000 Ohm voltage <= 300 Ohm current			
Stabilisation time	20 ms			
Conversion time	20 ms + 1 controller cycle time			
Sampling duration	10 ms			
Acquisition period	60 ms per channel + 1 controller cycle time			
Measurement error	+/- 0.2 % of full scale 010 V 010 V 25 °C +/- 0.2 % of full scale 420 mA 420 mA 25 °C			
Temperature coefficient	+/-0.006 %FS/°C 010 V +/-0.006 %FS/°C 420 mA +/-0.015 %FS/°C 010 V 010 V +/-0.015 %FS/°C 420 mA 420 mA			
Repeat accuracy	+/-0.5 %FS input/output			
Non-linearity	+/- 0.2 %FS current current +/- 0.2 %FS voltage voltage			
Output error	+/- 1 %FS			
Output ripple	<= 1 LSB			
Total error	+/-1 %FS current current +/-1 %FS voltage voltage			
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	19.230 V			
Electrical connection	1 removable screw terminal block			

Current consumption	50 mA 24 V DC external	
·	50 mA 5 V DC internal	
Net Weight	0.19 lb(US) (0.085 kg)	

Environment

Dielectric strength	500 V between I/O channel 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

arrang arrang arrang	
Category	22531-PLCS, TWIDO, TWD
Discount Schedule	PC12
GTIN	3595863995992
Nbr. of units in pkg.	1
Package weight(Lbs)	7.02 oz (199 g)
Returnability	No
Country of origin	JP

Packing Units

1 doking office			
Unit Type of Package 1	PCE		
Package 1 Height	2.95 in (7.5 cm)		
Package 1 width	4.13 in (10.5 cm)		
Package 1 Length	4.92 in (12.5 cm)		
Unit Type of Package 2	S01		
Number of Units in Package 2	6		
Package 2 Weight	2.87 lb(US) (1.301 kg)		
Package 2 Height	5.91 in (15 cm)		
Package 2 width	5.91 in (15 cm)		
Package 2 Length	15.75 in (40 cm)		

Offer Sustainability

Sustainable offer status	Green Premium product 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			
California proposition 65				
REACh Regulation	REACh Declaration			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EV EU RoH. Declaration			
Toxic heavy metal free	Yes			
Mercury free	Yes			
RoHS exemption information	₫Yes			
China RoHS Regulation	China RoHS Declaration			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	☑ End Of Life Information			
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.			
PVC free	Yes			

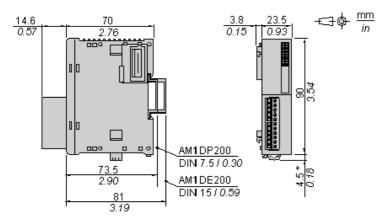
Contractual warranty

Warranty	18 months

TM2AMM3HT

Analog Mixed I/O Module (3-channel, Voltage/Current)

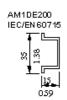
Dimensions



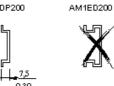
NOTE: * 8.5 mm (0.33 in) when the clip-on lock is pulled out.

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DIN Rail Mounting







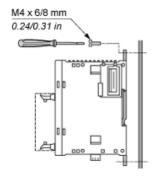


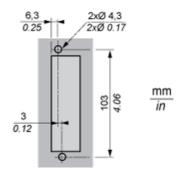
Rail depth	Catalogue part number
15 mm (0.59 in.)	AM1DE200
7,5 mm (0.30 in.)	AM1DP200

NOTE: Do not use AM1ED200 and DZ5MB200

Module Mounting on a Panel Surface

Mounting Hole Layout





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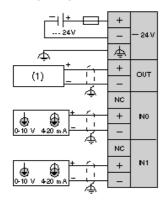
Wiring Requirements

Cable Types and Wire Sizes for Removable Screw Terminal Block

9 0.35 mm in.	11		₽	all a			
mm ²	0,141,5	0,250,5	0,251,5	0,140,5	0,140,75	0,250,34	0,5
AWG	2616	2420	2416	2620	2618	2422	20

Analog Mixed I/O Module (3-channel, Voltage/Current)

Wiring Diagram



(1) Voltage/current preactuator

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

Mouser Electronics

Authorized Distributor

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Schneider Electric: TM2AMM3HT