

TM2AMM3HT

analog input/output module M238 - 2 inputs
voltage/current high level - 1 output

Product availability: Stock - Normally stocked in distribution facility

Price*: 483.00 USD



Main

Commercial Status	Commercialised
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	Voltage 0...10 V non differential Current 4...20 mA non differential
Analogue output number	1
Analogue output type	Voltage 0...10 V Current 4...20 mA
Cross talk	<= 2 LSB

Complementary

Range compatibility	Advantys OTB Twido
Analogue input resolution	12 bits
Analogue output resolution	12 bits
LSB value	4.8 µA current current 2.5 mV voltage voltage
Permissible continuous overload	40 mA current 13 V voltage
Input impedance	>= 1 MOhm voltage >= 10 Ohm current
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 4...20 mA 4...20 mA 25 °C +/- 0.2 % of full scale 0...10 V 0...10 V 25 °C
Temperature coefficient	+/-0.015 %FS/°C 4...20 mA 4...20 mA +/-0.015 %FS/°C 0...10 V 0...10 V +/-0.006 %FS/°C 4...20 mA +/-0.006 %FS/°C 0...10 V
Repeat accuracy	+/-0.5 %FS input/output
Non-linearity	+/- 0.2 %FS voltage voltage +/- 0.2 %FS current current
Output error	+/- 1 %FS
Output ripple	<= 1 LSB
Total error	+/-1 %FS voltage voltage +/-1 %FS current current
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	19.2...30 V
Electrical connection	1 removable screw terminal block
Current consumption	50 mA 5 V DC internal 50 mA 24 V DC external
Product 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 500 V between I/O channel
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	00785901825845
Nbr. of units in pkg.	1
Package weight(Lbs)	0.44
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	JP

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0830 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental

Contractual warranty

Period	18 months
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