

TM2AMI4LT

analog input module M238- 4 inputs voltage/
current/temperature- non differential



Product availability: Stock - Normally stocked in distribution facility
Price*: 567.00 USD



Main

Commercial Status	Commercialised
Range of product	Modicon M238 logic controller
Product or component type	Analog input module
Analogue input number	4
Analogue input type	Temperature probe - 50...150 °C Ni 100/Ni 1000 non differential Temperature probe - 200...600 °C Pt 100/Pt 1000 non differential Voltage 0...10 V non differential Current 4...20 mA non differential
Cross talk	<= 1 LSB

Complementary

Range compatibility	Advantys OTB Twido
Analogue input resolution	12 bits
LSB value	0.05 °C temperature probe Ni 100/Ni 1000 0.2 °C temperature probe Pt 100/Pt 1000 4.8 µA current current 2.5 mV voltage voltage
Permissible continuous overload	40 mA current 13 V voltage
Input impedance	>= 10 kOhm temperature probe 470 Ohm current 10 kOhm voltage
Sampling duration	<= 160 ms
Acquisition period	320 ms per channel + 1 controller cycle time temperature probe 160 ms per channel + 1 controller cycle time voltage/current
Measurement error	+/- 0.4 % of full scale Pt 100/Pt 1000, Ni 100/ Ni 1000 25 °C +/- 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	+/- 0.009 %FS/°C voltage +/- 0.009 %FS/°C current +/- 0.004 %FS/°C temperature probe
Repeat accuracy	+/-0.1 %FS
Non-linearity	+/- 0.02 %FS
Total error	+/-0.5 %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

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Current consumption	60 mA 24 V DC external 50 mA 5 V DC internal
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	00785901629450
Nbr. of units in pkg.	1
Package weight(Lbs)	0.33
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0839 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

Contractual warranty

Period	18 months
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