



Main

Range of product	Modicon M238 logic controller
Product or component type	Analog input module
Analogue input number	8
Analogue input type	Temperature probe - 200...600 °C Pt 100 non differential Temperature probe - 50...200 °C Pt 1000 non differential

Complementary

Range compatibility	Twido Advantys OTB
Analogue input resolution	12 bits
LSB value	0.006 °C Pt 1000 0.2 °C Pt 100
Input impedance	≥ 10 kOhm
Sampling duration	≤ 160 ms
Acquisition period	320 ms per group of channel + 1 controller cycle time
Measurement error	+/- 0.3 % of full scale Pt 1000 25 °C +/- 0.5 % of full scale Pt 100 25 °C
Temperature coefficient	+/-0.01 %FS/°C
Repeat accuracy	+/- 0.1 °C
Total error	1 °C Pt 1000 4 °C Pt 100
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 power supply 1 removable screw terminal block sensors
Current consumption	≤ 140 mA 24 V DC external

	90 mA 5 V DC internal
Product weight	0.42 lb(US) (0.19 kg)

Environment

Dielectric strength	2500 V between the I/O and internal logic 500 V between the I/O and the external supply circuit
Width	3.54 in (90 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	00785901816638
Nbr. of units in pkg.	1
Package weight(Lbs)	0.47000000000000003
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 Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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