

140AVI03000

analog input module Modicon Quantum - 8 I multirange



Product availability: Stock - Normally stocked in distribution facility

Price*: 3414.00 USD



Main

Commercial Status	Commercialised
Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module
Type of filter	Single pole low pass - 3 dB at 847 Hz +/- 20 %

Complementary

Analogue input number	8
Input type	Differential
Addressing requirement	9 input words
Analogue input type	Unipolar voltage 0...5 V Unipolar voltage 0...10 V Unipolar current 0...20 mA Bipolar voltage +/- 5 V Bipolar voltage +/- 10 V Bipolar current 20 mA
Analogue input resolution	16 bits 20 mA 16 bits 0...5 V 16 bits 0...20 mA 16 bits 0...10 V 16 bits +/- 5 V 16 bits +/- 10 V
Linear measuring range	(Input range) x 1.024 mA (Input range) x 1.024 V
Absolute maximum input	50 V DC 25 mA
Input impedance	250 MOhm +/- 0.03 % > 20 Ohm voltage
Absolute accuracy error	+/- 0.05 % of full scale maximum +/- 0.03 %
Linearity error	+/- 0.008 %
Accuracy drift according to temperature	<= 0.004 % of full scale /°C +/- 0.0015 % of full scale/°C
Common mode rejection	> -80 dB 60 Hz
Isolation between channels and bus	750 V DC 500 Vrms AC for 60 s
Isolation between channels	135 Vrms AC 200 V DC
Update time	10 ms

Fault type	Overtacking scale 1...5 V Broken wire 4...20 mA
Marking	CE
Local signalling	8 LEDs red channel fault 8 LEDs green channel is turned on 1 LED red external fault 1 LED green bus communication is present (Active)
Bus current requirement	280 mA
Power dissipation in W	2.2 W
Module format	Standard
Product weight	0.66 lb(US) (0.3 kg)

Environment

Standards	CSA C22.2 No 142 UL 508
Product certifications	CUL FM Class 1 Division 2
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact conforming to IEC 801-2
Resistance to electromagnetic fields	9.14 V/yd (10 V/m) 80...1000 MHz conforming to IEC 801-3
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Relative humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901792277
Nbr. of units in pkg.	1
Package weight(Lbs)	1.01
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 0951 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental Profile
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
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