Product datasheet

Specifications





analog input module Modicon Quantum - 8 I multirange

140AVI03000

- () Discontinued on: 31 Dec 2022
- (!) To be end-of-service on: 31 Dec 2030

① To be discontinued

Price: 43,219.47 ZAR

Main

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

Complementary	
Analogue Input Number	8
Input Type	Differential
Addressing Requirement	9 input words
Analogue Input Type	Bipolar current: 20 mA
	Bipolar voltage: +/- 10 V
	Bipolar voltage: +/- 5 V
	Unipolar current: 020 mA
	Unipolar voltage: 010 V
	Unipolar voltage: 05 V
Analogue Input Resolution	16 bits +/- 10 V
	16 bits +/- 5 V
	16 bits 010 V
	16 bits 020 mA
	16 bits 05 V
	16 bits 20 mA
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	> 20 Ohm voltage
	250 MOhm +/- 0.03 %
Absolute Accuracy Error	+/- 0.03 %
	+/- 0.05 % of full scale maximum
Linearity Error	+/- 0.008 %
Accuracy Drift According To Temperature	+/- 0.0015 % of full scale/°C
	<= 0.004 % of full scale /°C
Common Mode Rejection	> - 80 dB 60 Hz
Isolation Between Channels And	500 Vrms AC for 60 s
Bus	750 V DC
Isolation Between Channels	135 Vrms AC
	200 V DC
Update Time	10 ms
Fault Type	Broken wire 420 mA
	Overtacking scale 15 V

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Marking	CE
Local Signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault 8 LEDs (green) for channel is turned on 8 LEDs (red) for channel fault
Bus Current Requirement	280 mA
Power Dissipation In W	2.2 W
Module Format	Standard
Net Weight	0.3 kg

Environment

Standards	UL 508 CSA C22.2 No 142
Product Certifications	FM Class 1 Division 2 cUL
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 801000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	060 °C
Ambient Air Temperature For Storage	-4085 °C
Relative Humidity	95 % without condensation
Operating Altitude	<= 5000 m

Packing Units

-	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	16.500 cm
Package 1 Length	31.500 cm
Package 1 Weight	460.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.694 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

Well-being performance

Reach Free Of Svhc
Mercury Free
Rohs Exemption Information Yes

Certifications & Standards

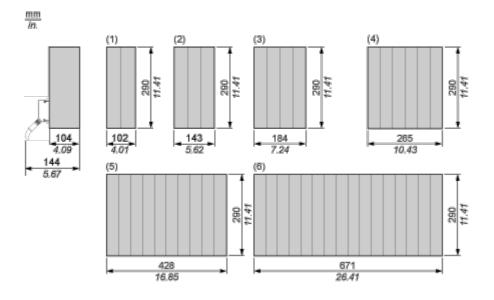
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Circularity Profile	End of Life Information

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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

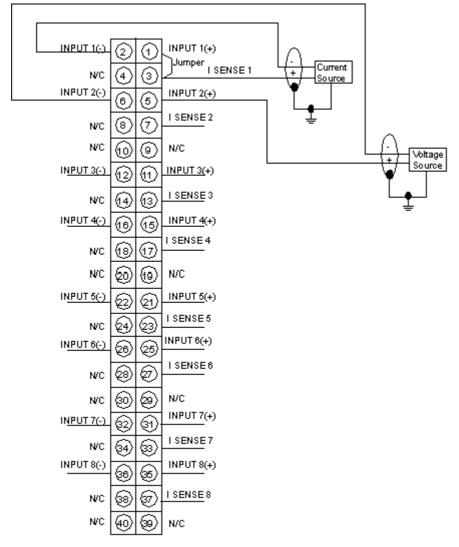


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Analog Input 8-Channel Bipolar Module

Wiring Diagram



N/C Not Connected