

Product datasheet

Specifications



140ACI03000 - Analog input module Modicon Quantum - 8 I multirange

140ACI03000

-  **Discontinued on:** 31 Dec 2022
-  **To be end-of-service on:** 31 Dec 2030

 **To be discontinued**

Price: 37,652.04 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 15 Hz +/- 20 %

Complementary

Analogue Input Number	8
Input Type	Differential
Addressing Requirement	9 input words
Analogue Input Resolution	12 bits
Linear Measuring Range	1...5 V 4...20 mA
Absolute Maximum Input	50 V DC 25 mA
Input Impedance	250 Ohm current +/- 0.01 % > 20 MOhm voltage
Absolute Accuracy Error	+/- 0.05 % of full scale +/- 0.1 % of full scale maximum
Linearity Error	+/- 0.04 %
Accuracy Drift According To Temperature	+/- 0.0025 % of full scale/°C <= 0.005 % of full scale/°C
Common Mode Rejection	> - 72 dB 60 Hz
Isolation Between Channels And Bus	1000 V DC 3000 V DC for 60 s
Isolation Between Channels	30 V DC
Update Time	5 ms
Fault Type	Broken wire 4...20 mA Undervoltage range 1...5 V
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	240 mA
Power Dissipation In W	2 W
Module Format	Standard

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net Weight	0.3 kg
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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 80...1000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-40...85 °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	4.8 cm
Package 1 Width	16.5 cm
Package 1 Length	31.0 cm
Package 1 Weight	450.0 g

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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.

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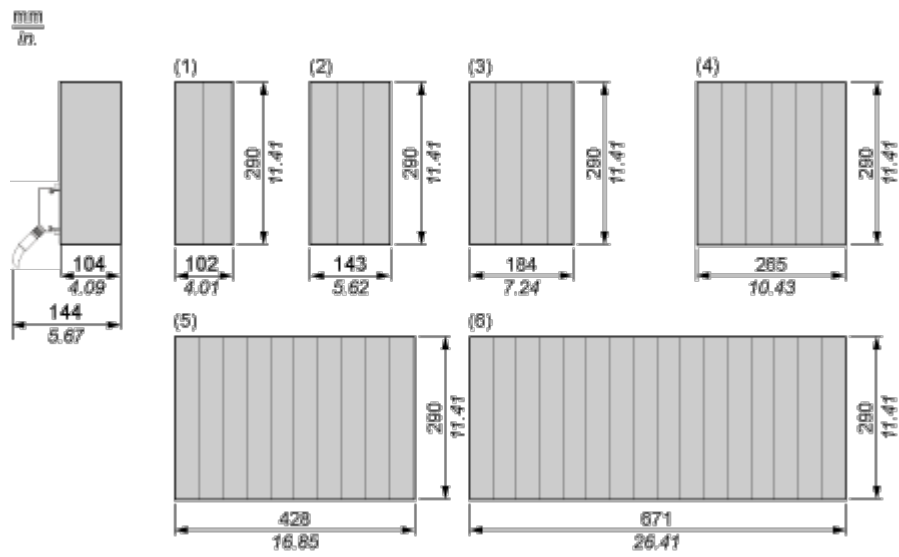
Well-being performance

	Mercury Free	
	Rohs Exemption Information	Yes
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)	EU RoHS Declaration
China Rohs Regulation		China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
Circularity Profile		End of Life Information

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

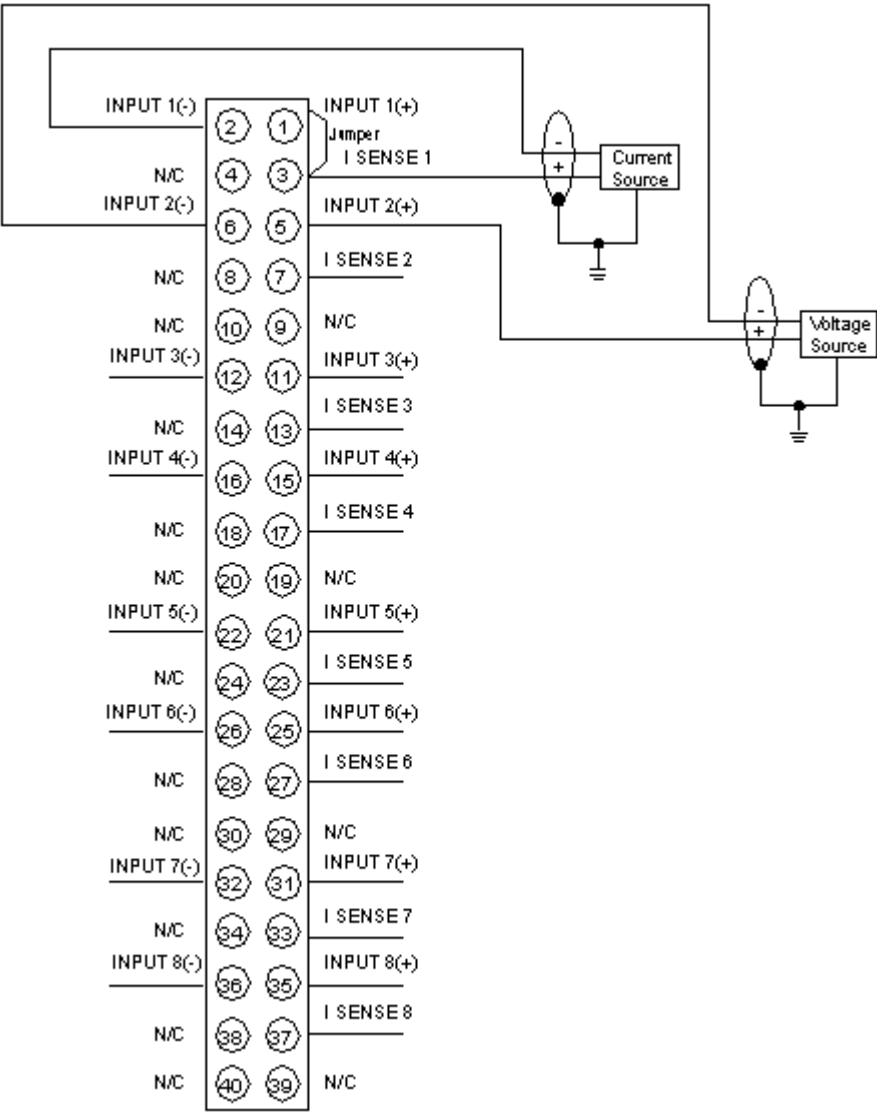


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Analog Input 8-Channel Unipolar Module

Wiring Diagram



N/C Not Connected

The maximum channel to channel working voltage cannot exceed 30 Vdc.