Product datasheet

Specification





analog output module Modicon Quantum - 4 O - 4..20 mA, 12 bits bipolar current

140ACO02000

! Discontinued on: 31 Dec 2022

(!)

! To be end-of-service on: 31 Dec 2030

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Analogue output module

Complementary

Analogue Output Number	4	
Addressing Requirement	4 output words	
Loop Voltage	1230 V DC	
Maximum Voltage Drop	<30 V 20 mA	
Analogue Output Range	420 mA 04096 counts, 12 bits bipolar current	
Absolute Accuracy Error	+/- 0.20 % of full scale at 25 °C	
Linearity	+/- 1 LSB	
Accuracy Drift According To Temperature		
Isolation Between Channels	500 V 4763 Hz AC 750 V for 1 minute DC	
Update Time 3 ms		
Setting Time	900 μs to +/- 0.1 % of the final value	
Fault Type	Open circuit 420 mA	
Bus Current Requirement	480 mA	
Maximum Power Dissipation In W	5.3 W	
External Power Requirement	1230 V	
Marking	CE	
Local Signalling	LED (green) for bus communication is present (Active) LED (red) for external fault LEDs (green) for channel is turned on LEDs (red) for channel fault	
Module Format	Standard	
Net Weight	0.3 kg	

Environment

Product Certifications	FM Class 1 Division 2
	cUL

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Standards	CSA C22.2 No 142 UL 508
Resistance To Electromagnetic Fields	10 V/m 802000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	00° °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	4.8 cm
Package 1 Width	16.5 cm
Package 1 Length	31.5 cm
Package 1 Weight	457.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.635 kg

Contractual warranty

Warranty 18 months



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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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RoHS/REACh

Well-being performance

②	Reach Free Of Svhc	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

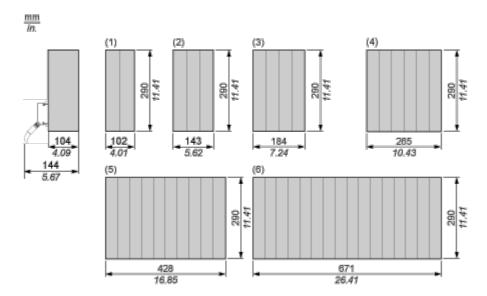
Certifications & Standards

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

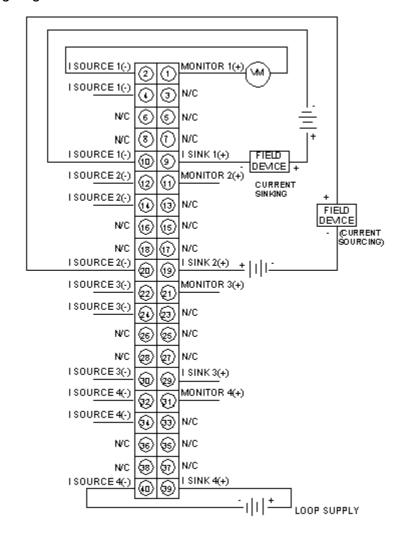


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Analog Output 4-Channel Current Module

Wiring Diagram



N/C Not Connected