Product datasheet

Specifications





analog output module Modicon Quantum - 8 O

140ACO13000C

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

() Discontinued - Service only

Main

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

Complementary

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Analogue Output Number	8
Addressing Requirement	8 output words
Loop Voltage	630 V DC
Maximum Voltage Drop	<30 V 25 mA
Analogue Output Range	020 mA 020000 counts 025 mA 025000 counts 420 mA 016000 counts
	420 mA 04095 counts
Absolute Accuracy Error	+/- 0.2 % of full scale at 25 °C
Linearity	+/- 12 μA 420 mA 04095 counts
	+/- 4 μA 020 mA 020000 counts
	+/- 4 μA 025 mA 025000 counts
	+/- 4 μA 420 mA 016000 counts
Accuracy Drift According To	0.004 % of full scale/°C typical
Temperature	0.007 % of full scale/°C maximum
Isolation Between Channels And Bus	1780 V for 1 minute AC
Update Time	5 ms
Setting Time	1.6 ms to 5% of the final value
	3.2 ms to +/-0.1% of the final value
Fault Type	Open circuit 420 mA
Bus Current Requirement	550 mA
Maximum Power Dissipation In W	5 W
External Power Requirement	630 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
Module Format	Standard
Net Weight	0.3 kg

Protective Treatment	Conformal coating Humiseal 1A33
Product Certifications	cUL FM Class 1 Division 2
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…0
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	4.5 cm
Package 1 Width	16.5 cm
Package 1 Length	31.0 cm
Package 1 Weight	481.0 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	3.367 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

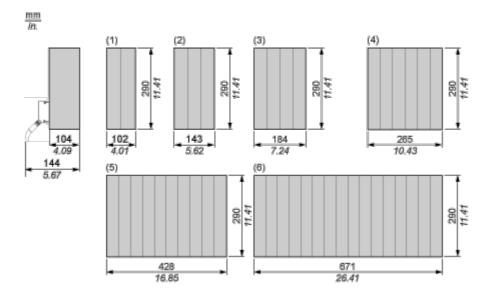
Certifications & Standards

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

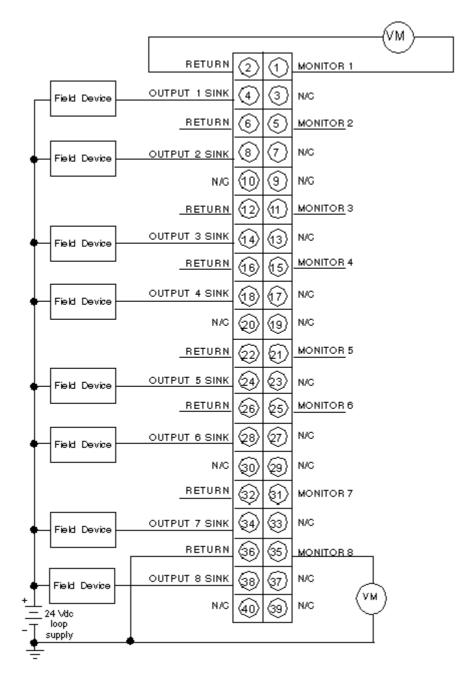


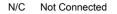
- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

High Density Analog Output Module (8-Channel)

Wiring Diagram





All terminals labeled "RETURN" are common inside the module.