Product data sheet

Specifications

Green Premium™

analog output module Modicon Quantum - 8 O multirange

140ACO13000

Discontinued on: 7/12/2022

To be end-of-service on: 31/12/2030

Discontinued - Service only

Main

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

Complementary

Analogue Output Number	8
Addressing Requirement	8 output words
Loop Voltage	6…30 V DC
Maximum Voltage Drop	<30 V 25 mA
Analogue Output Range	0...20 mA 0...20000 counts 0...25 mA 0...25000 counts 4...20 mA 0...16000 counts 4...20 mA 0...4095 counts
Absolute Accuracy Error	+/- 0.2 % of full scale at 25 °C
Linearity	+/- 12 µA 4...20 mA 0...4095 counts +/- 4 µA 0...20 mA 0...20000 counts +/- 4 µA 0...25 mA 0...25000 counts +/- 4 µA 4...20 mA 0...16000 counts
Accuracy Drift According To Temperature	0.004 % of full scale/°C typical 0.007 % of full scale/°C maximum
Isolation Between Channels And Bus	1780 V for 1 minute AC
Update Time	5 ms
Setting Time	3.2 ms to +/-0.1% of the final value 1.6 ms to 5% of the final value
Fault Type	Open circuit 4...20 mA
Bus Current Requirement	550 mA
Maximum Power Dissipation In W	5 W
External Power Requirement	6...30 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

Environment

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

Product Certifications	cUL FM Class 1 Division 2
Standards	UL 508 CSA C22.2 No 142
Resistance To Electromagnetic Fields	10 V/m 80…2000 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	4.800 cm
Package 1 Width	16.700 cm
Package 1 Length	31.500 cm
Package 1 Weight	438.000 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	3.557 kg

Contractual warranty

Warranty	18 months

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-CO_2 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

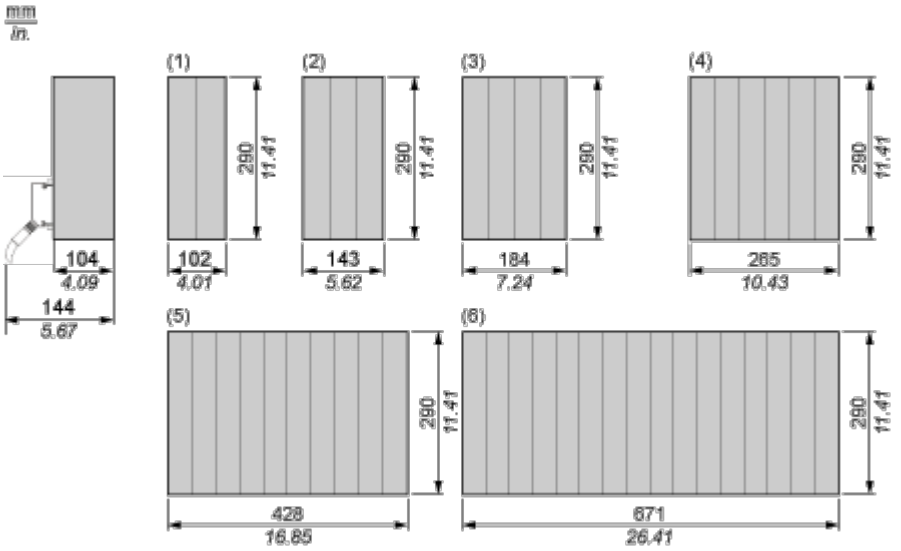
Certifications & Standards

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

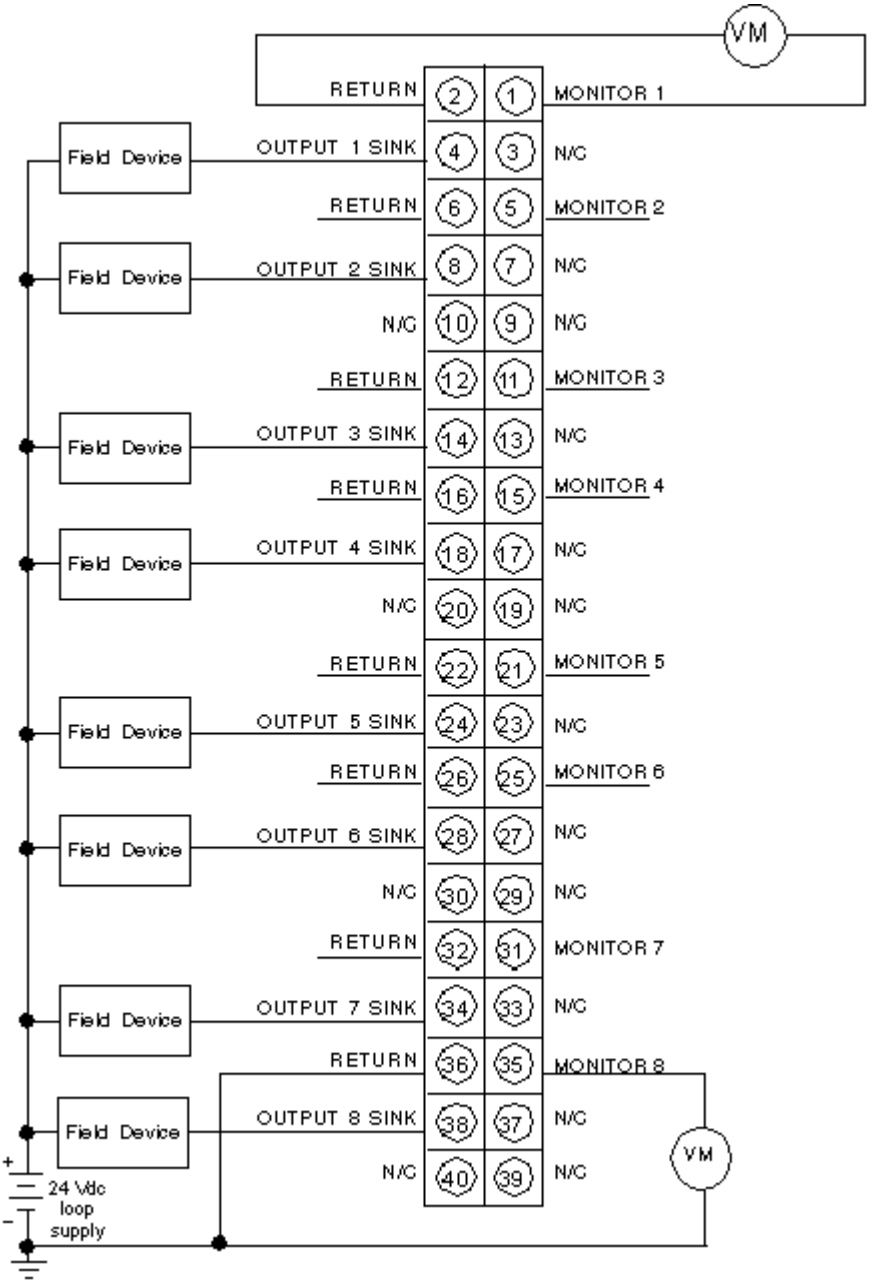
(5) 10 slots

(6) 16 slots

Connections and Schema

High Density Analog Output Module (8-Channel)

Wiring Diagram



N/C Not Connected

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