Product data sheet

Specifications

Green Premium™

analog output module Modicon Quantum - 8 O multirange

140ACO13000

⚠ Discontinued on: Jan 15, 2023

⚠ To be end-of-service on: Dec 31, 2030

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

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 77 °F (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	for bus communication is present (Active) 1 LED (green) for external fault 1 LED (red) for channel is turned on 8 LEDs (green) for channel fault 8 LEDs (red)
Module Format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Environment

Product Certifications	cUL FM Class 1 Division 2
Standards	UL 508 CSA C22.2 No 142
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80…2000 MHz IEC 801-3
Ambient Air Temperature For Operation	32…140 °F (0…60 °C)
Ambient Air Temperature For Storage	-40…185 °F (-40…85 °C)
Relative Humidity	95 % without condensation
Operating Altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC2118155
Discount Schedule	PC21
Gtin	3595861148017
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.89 in (4.800 cm)
Package 1 Width	6.57 in (16.700 cm)
Package 1 Length	12.40 in (31.500 cm)
Package 1 Weight	15.45 oz (438.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	7.84 lb(US) (3.557 kg)

Contractual warranty

Warranty	18 months

Sustainability ![Green Premium]

Green Premium^{TM} 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.
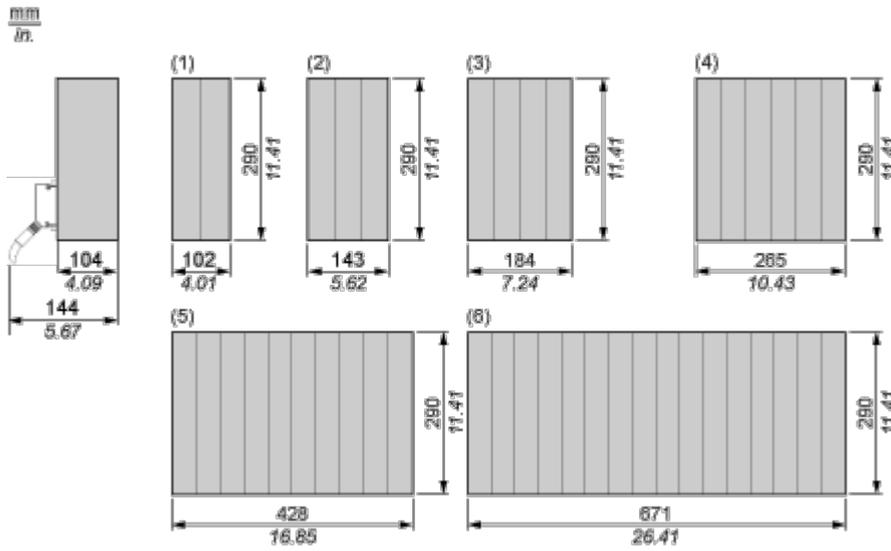
Circularity Profile   End of Life Information

California Proposition 65   WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

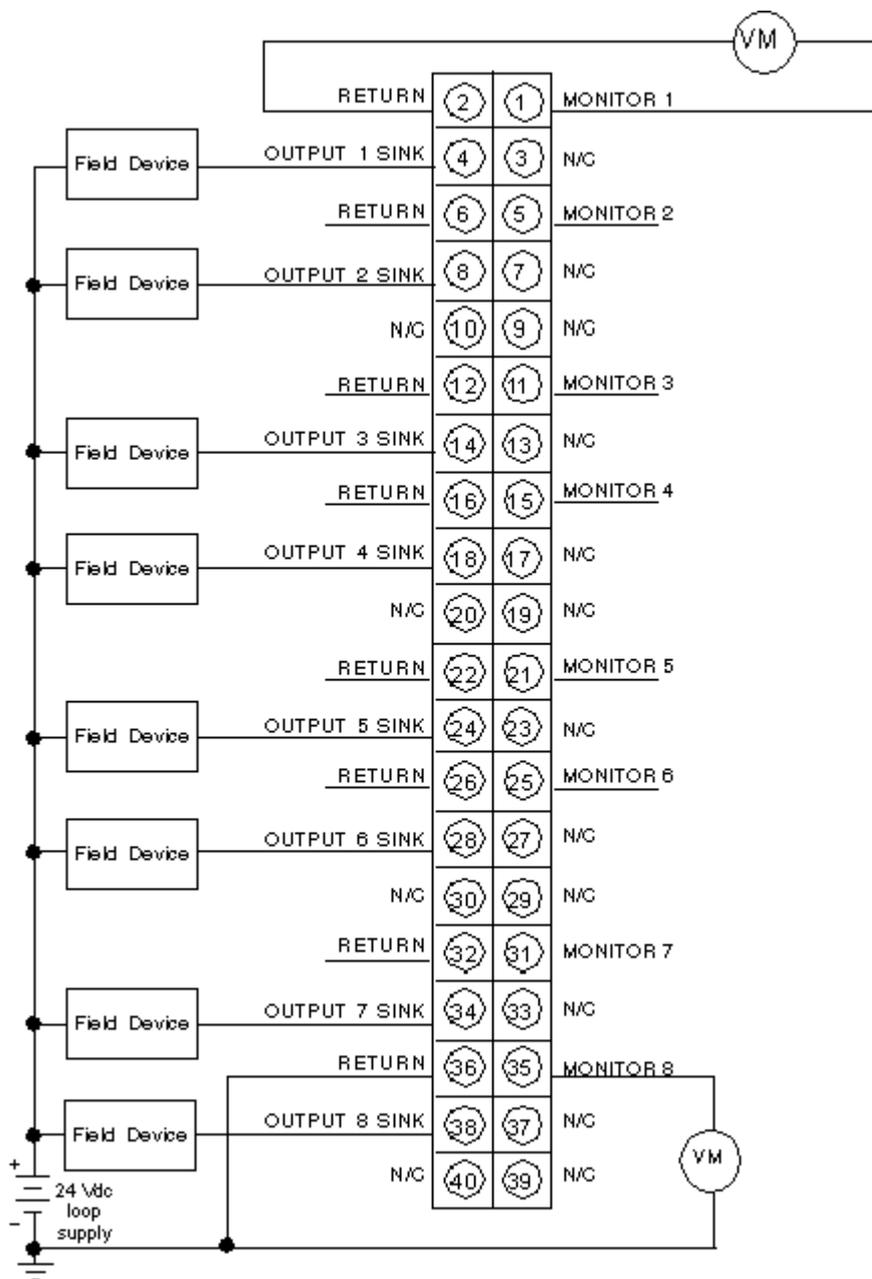**Racks for Modules Mounting**

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

RETURN	2	1	MONITOR 1	
OUTPUT 1 SINK	4	3	N/C	
RETURN	6	5	MONITOR 2	
OUTPUT 2 SINK	8	7	N/C	
N/C	10	9	N/C	
RETURN	12	11	MONITOR 3	
OUTPUT 3 SINK	14	13	N/C	
RETURN	16	15	MONITOR 4	
OUTPUT 4 SINK	18	17	N/C	
N/C	20	19	N/C	
RETURN	22	21	MONITOR 5	
OUTPUT 5 SINK	24	23	N/C	
RETURN	26	25	MONITOR 6	
OUTPUT 6 SINK	28	27	N/C	
N/C	30	29	N/C	
RETURN	32	31	MONITOR 7	
OUTPUT 7 SINK	34	33	N/C	
RETURN	36	35	MONITOR 8	
OUTPUT 8 SINK	38	37	N/C	
N/C	40	39	N/C	

N/C   Not Connected

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