

Product data sheet

Specifications



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

140ACO02000

⚠ Discontinued on: 31 December 2022

⚠ To be end-of-service on: 31 December 2030

⚠ To be discontinued

Product availability : Stock - Normally stocked in distribution facility

Price* : 3,272.90 USD

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	12...30 V DC
Maximum voltage drop	<30 V 20 mA
Analogue output range	4...20 mA 0...4096 counts, 12 bits bipolar current
Absolute accuracy error	+/- 0.20 % of full scale 77 °F (25 °C)
Linearity	+/- 1 LSB
Accuracy drift according to temperature	+/- 0.004 % of full scale/°C +/- 0.007 % of full scale/°C maximum
Isolation between channels	500 V 47...63 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 4...20 mA
Bus current requirement	480 mA
Maximum power dissipation in W	5.3 W
External power requirement	12...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 4 LEDs (green) for channel fault 4 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	FM Class 1 Division 2 cUL
Standards	CSA C22.2 No 142 UL 508
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	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	3595861126572
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.89 in (4.8 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.40 in (31.5 cm)
Package 1 Weight	16.12 oz (457.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.01 lb(US) (3.635 kg)

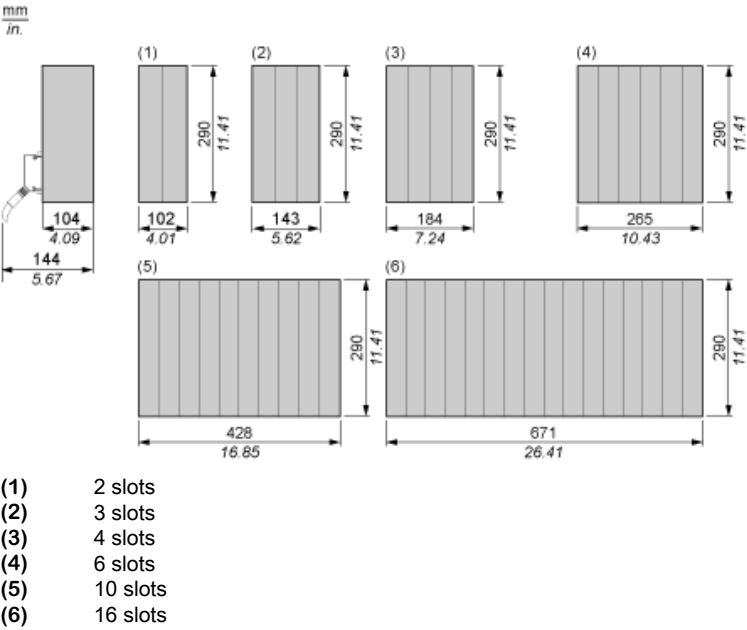
Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes

Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Contractual warranty	
Warranty	18 months

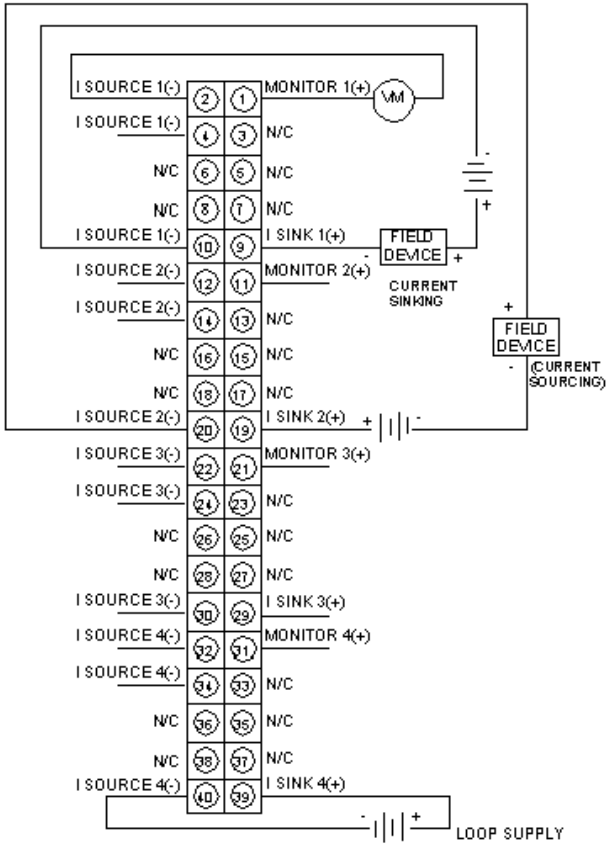
Racks for Modules Mounting

Dimensions of Modules and Racks



Analog Output 4-Channel Current Module

Wiring Diagram



N/C Not Connected

Recommended replacement(s)

140ACO02000 is replaced by:

1x



isolated analog output module X80 - 4 outputs
BMXAMO0410