



Commercial status

To be discontinued on: 31 December 2022

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

! To be discontinued

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
Analogue output range	+/- 10 V >= 1000 Ohm bipolar voltage +/- 5 V >= 500 Ohm bipolar voltage 0...10 V >= 1000 Ohm unipolar voltage 0...5 V >= 500 Ohm unipolar voltage
Analogue output resolution	12 bits
Analogue output current	-10...10 mA
Source resistance	0.1 Ohm
Maximum cable distance between devices	1312.34 ft (400 m)
Absolute accuracy error	+/- 0.15 % of full scale 77 °F (25 °C)
Linearity	+/- 1 LSB
Accuracy drift according to temperature	0.003 % of full scale/°C unipolar 0.004 % of full scale/°C bipolar 0.005 % of full scale/°C maximum unipolar 0.007 % of full scale/°C maximum bipolar
Isolation between channels	500 V for 1 minute 47...63 Hz AC
Isolation between channels and bus	780 V for 1 minute AC
Update time	3 ms
Setting time	700 µs to +/- 0.1 % of the final value maximum
Bus current requirement	700 mA
Maximum power dissipation in W	4.5 W
Associated fuse rating	0.063 mA 3 AG fast blow 250 V
Marking	CE
Local signalling	for bus communication is present (Active) 1 LED (green)

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

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)

Environment

Product certifications	FM Class 1 Division 2 CUL
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	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901792284
Nbr. of units in pkg.	1
Package weight(Lbs)	1.04 lb(US) (0.47 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	6.50 in (16.5 cm)
Package 1 Length	12.40 in (31.5 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	7.31 lb(US) (3.318 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

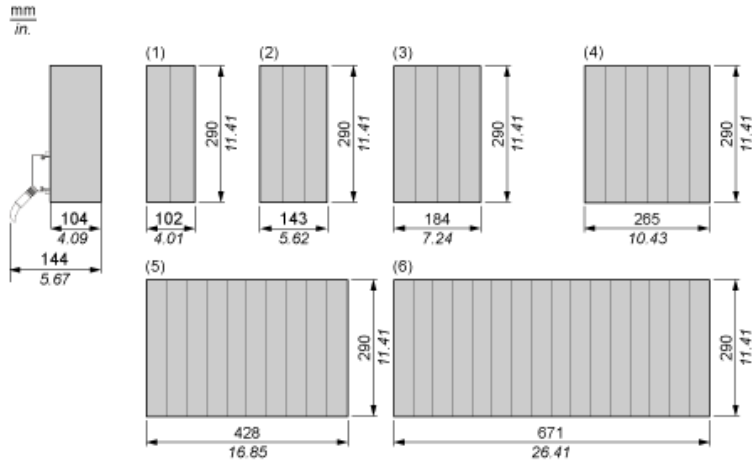
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
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
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Racks for Modules Mounting

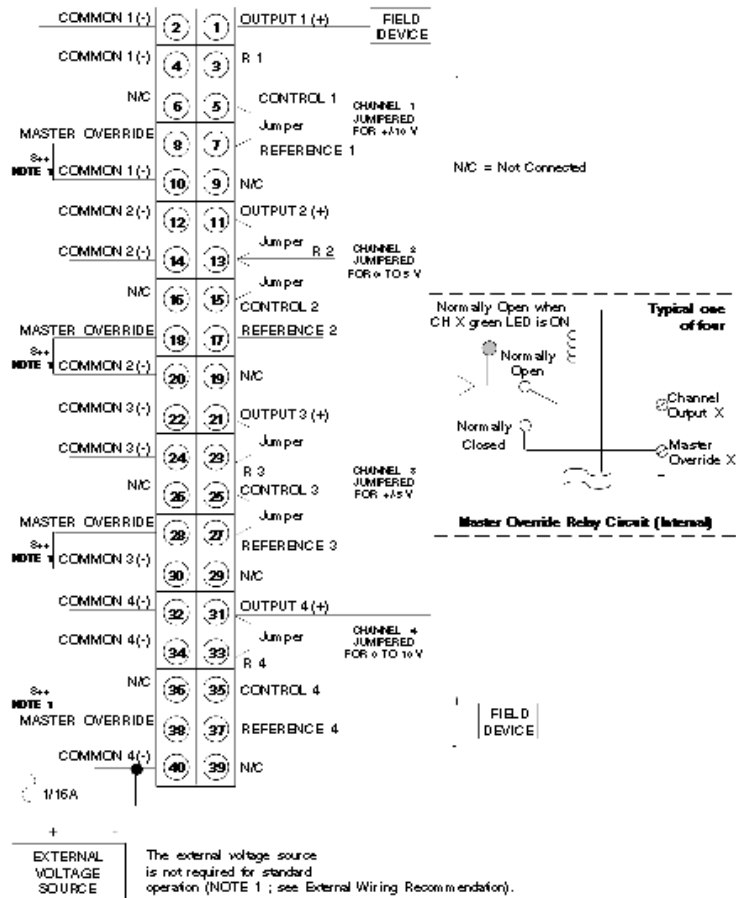
Dimensions of Modules and Racks



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

Analog Output 4-Channel Voltage Module

Wiring Diagram



N/C Not Connected

External Wiring Recommendation

1. Master override is an input connected via an internal relay contact to the output when the module is not active. If connected to an external source, the master override relay transition time must be less than 10ms.
2. If the master override is not connected to an external source, then it must be connected to common of that channel. The master override relay transition time must be less than 10ms.
3. The master override inputs must be from an external supply with a source impedance of <math><200 \Omega</math> or tied to system common. These inputs for channels 1 and 2 must be from a +10V supply, and for channels 3 and 4 must be from a +15V supply.

140AVO02000 is replaced by:



Standard environment BMXAMO0410

isolated analog output module X80 - 4 outputs

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2019 | Linking to group 1
