Product data sheet





discrete output module Modicon Quantum - 16 O - 83..253 V AC

140DAO84210C

Discontinued on: Mar 15, 2022

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

(!) Discontinued

Main

Range Of Product	Modicon Quantum automation platform	
Product Or Component Type	AC discrete output modules	
Discrete Output Number	16	

Complementary

Group Of Channels	4 groups of 4 channels
Supply Frequency	4763 Hz
Maximum Voltage Drop	1.5 V
Discrete Output Voltage	83253 V AC
Addressing Requirement	1 output word
Absolute Maximum Output	300 Vrms 10 s AC 400 Vrms 1 cycle AC
Maximum Load Current	2 mA rms 115 Vrms off state leakage per output 2.5 mA rms 230 Vrms off state leakage per output 3 A rms 170253 V per output 4 A rms 85132 V per output 16 A rms per module 4 A rms per group
Surge Current	10 A during 3 cycles per point 20 A during 2 cycles per point 30 A during 1 cycle per point 25 A during 3 cycles per group 30 A during 2 cycles per group 45 A during 1 cycle per group
Dv/Dt	400 V/ms
Response Time	<= 0.5 ms at state 0 to state 1 <= 0.5 ms at state 1 to state 0
Fault Indication	Blown fuse Loss of field power
Protection Type	Internal output protection by 5 A fuse Internal by RC filter
Power Dissipation	1.85 + (1.1 V x total module load current)
Marking	CE
Local Signalling	for bus communication is present (Active) 1 LED (green) for external fault detected (F) 1 LED (red) for input status 16 LEDs (green)
Bus Current Requirement	350 mA
Module Format	Standard

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

Net Weight 0.99 lb(US) (0.45 kg)

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Product Certifications	cUL FM Class 1 Division 2
Standards	UL 508 CSA C22.2 No 142
Electromagnetic Compatibility	Electrostatic discharge immunity test - test level: 4 kV (contact discharge) conforming to IEC 801-2 Electrostatic discharge immunity test - test level: 8 kV (air discharge) conforming to IEC 801-2 Susceptibility to electromagnetic fields - test level: 10 V/m (801000 MHz) conforming to IEC 801-3
Ambient Air Temperature For Operation	32140 °F (060 °C)
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Relative Humidity	95 % without condensation
Operating Altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC2118155 PC21	
Discount Schedule		
Gtin	3595861136038	
Returnability	No	
Country Of Origin	US	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.42 in (16.3 cm)
Package 1 Width	1.77 in (4.5 cm)
Package 1 Length	12.28 in (31.2 cm)
Package 1 Weight	23.42 oz (664 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	2.83 lb(US) (1.284 kg)

Contractual warranty

Warranty 18 months



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RoHS/REACh

Well-being performance

②	Reach Free Of Svhc	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

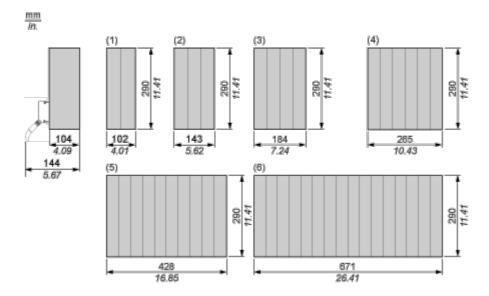
Certifications & Standards

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

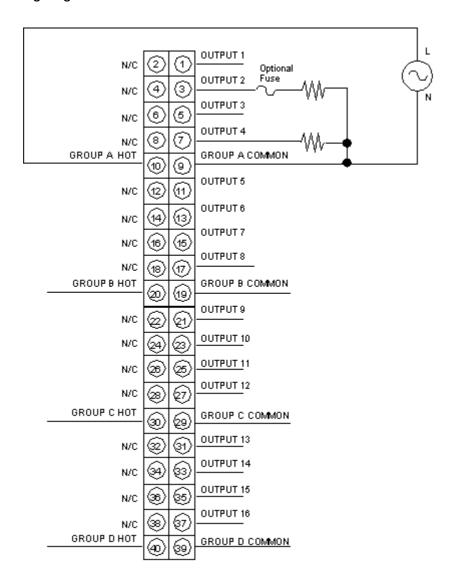


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

100...230 Vac Discrete Output Module

Wiring Diagram



N/C Not Connected