Product datasheet

Specification





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

140DAO84210

- ! Discontinued on: 31 Dec 2022
- ! To be end-of-service on: 31 Dec 2030

! Discontinued - Service only

Main

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

Complementary

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 for 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 by RC filter Internal output protection by 5 A fuse
Power Dissipation	1.85 + (1.1 V x total module load current)
Marking	CE
Local Signalling	LED (green) for bus communication is present (Active) LED (red) for external fault detected (F) 16 LEDs (green) for input status
Bus Current Requirement	350 mA
Module Format	Standard

Net Weight 0.45 kg

Environment

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	060 °C
Ambient Air Temperature For Storage	-4085 °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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	634.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.53 kg

Contractual warranty

Warranty 18 months



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RoHS/REACh

Well-being performance

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

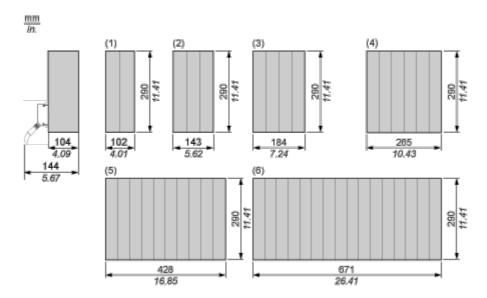
Certifications & Standards

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

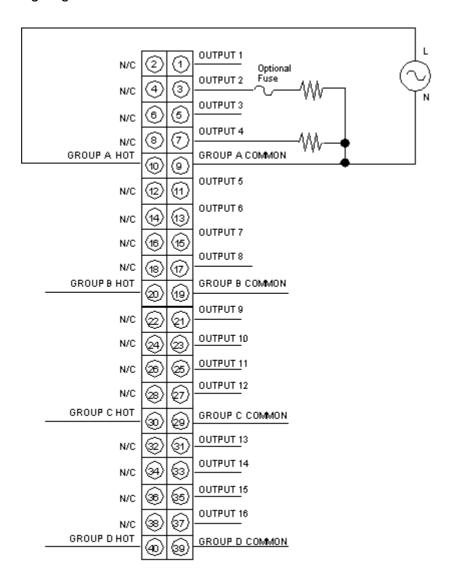


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

100...230 Vac Discrete Output Module

Wiring Diagram



N/C Not Connected