Product data sheet

Specifications

Green Premium™

discrete output module Modicon Quantum - 16 O - 20..253 V AC

140DAO84000

Discontinued on: Sep 15, 2023

To be discontinued

Main

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

Complementary

Discrete Output Type	Isolated
Group Of Channels	16 groups of 1 channel
Supply Frequency	47...63 Hz
Maximum Voltage Drop	1.5 V
Discrete Output Voltage	20...253 V AC
Addressing Requirement	1 output word
Absolute Maximum Output	300 Vrms 10 s AC 400 Vrms 1 cycle AC
Maximum Load Current	1 mA rms 24 Vrms off state leakage per output 1 mA rms 48 Vrms off state leakage per output 2 mA rms 115 Vrms off state leakage per output 2.5 mA rms 230 Vrms off state leakage per output 3 A rms 200...230 V per output 4 A rms 24...115 V per output 16 A rms per module 4 A rms sum of four points, continuous
Surge Current	10 A during 3 cycles per point 20 A during 2 cycles per point 30 A during 1 cycle per point
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
Protection Type	Internal by RC filter
Power Dissipation	1.85 + (1.1 V x total module load current)
Associated Fuse Rating	5 A
Marking	CE
Local Signalling	Bus communication is present (Active) 1 LED green) External fault detected (F) 1 LED red) Input status 16 LEDs green)
Bus Current Requirement	350 mA
Module Format	Standard
Net Weight	1.07 lb(US) (0.485 kg)

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

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 (80...1000 MHz) conforming to 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	<= 5000 m

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	21.90 oz (621.0 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	12.00 lb(US) (5.444 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ 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

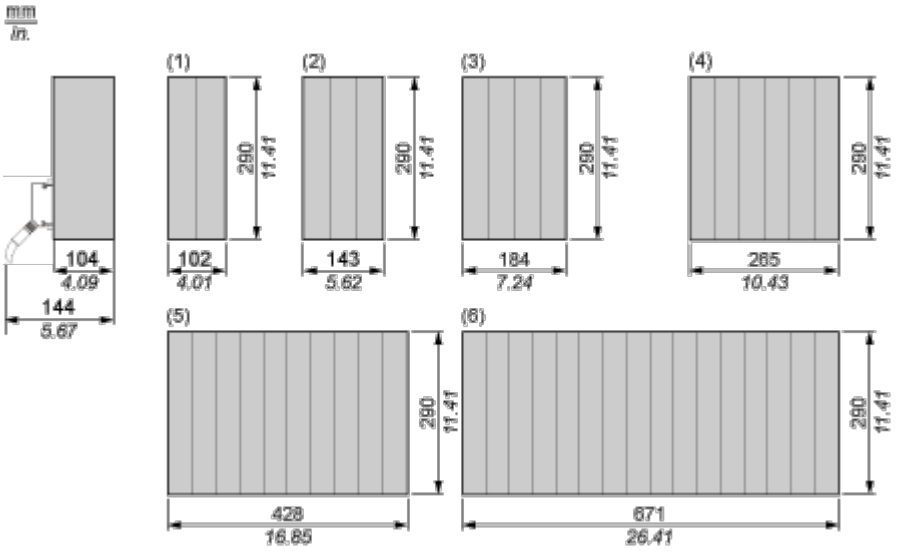
Certifications & Standards

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

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



(1) 2 slots

(2) 3 slots

(3) 4 slots

(4) 6 slots

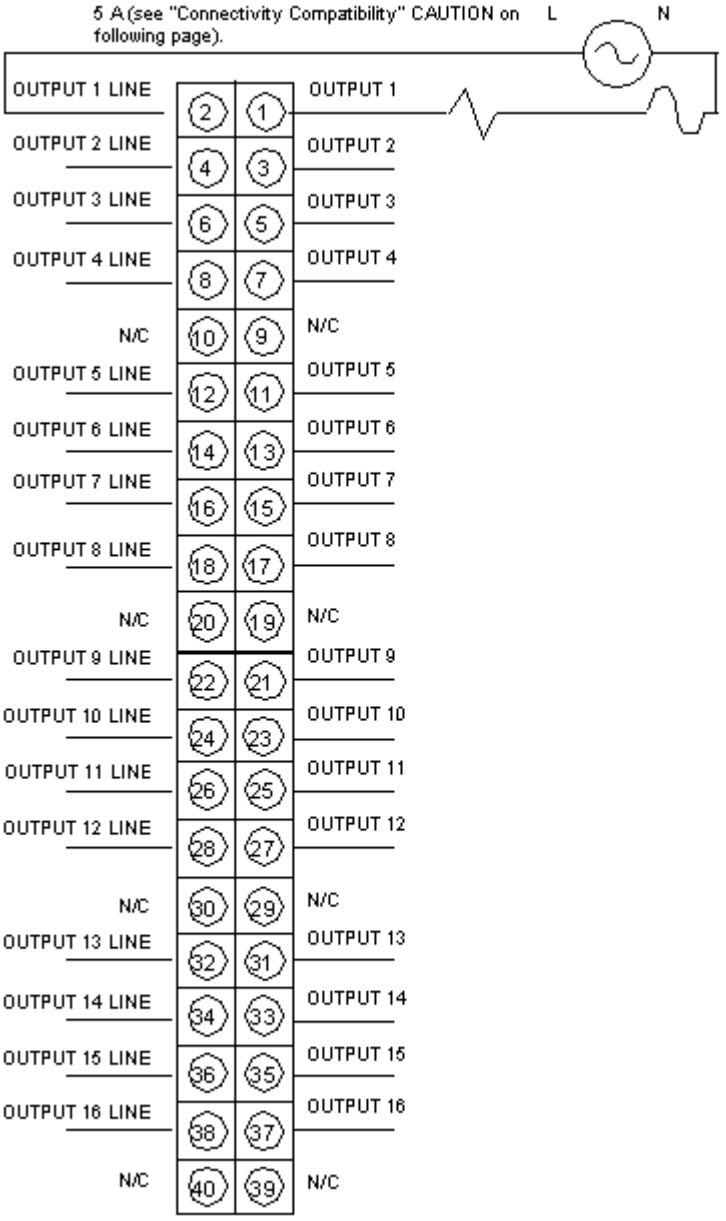
(5) 10 slots

(6) 16 slots

Connections and Schema

24...230 Vac Discrete Output Module

Wiring Diagram



N/C Not Connected