

# Product data sheet

Specifications



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

140DAO84000

! Discontinued on: 7/12/2022

! To be end-of-service on: 31/12/2030

! Discontinued - Service only

### Main

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

### Complementary

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 for 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	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 16 LEDs (green) for input status
Bus Current Requirement	350 mA
Module Format	Standard
Net Weight	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	0...60 °C
Ambient Air Temperature For Storage	-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	16.3 cm
Package 1 Width	4.5 cm
Package 1 Length	31.2 cm
Package 1 Weight	621.0 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	5.444 kg

# Contractual warranty

Warranty	18 months
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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<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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RoHS/REACH

Well-being performance

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

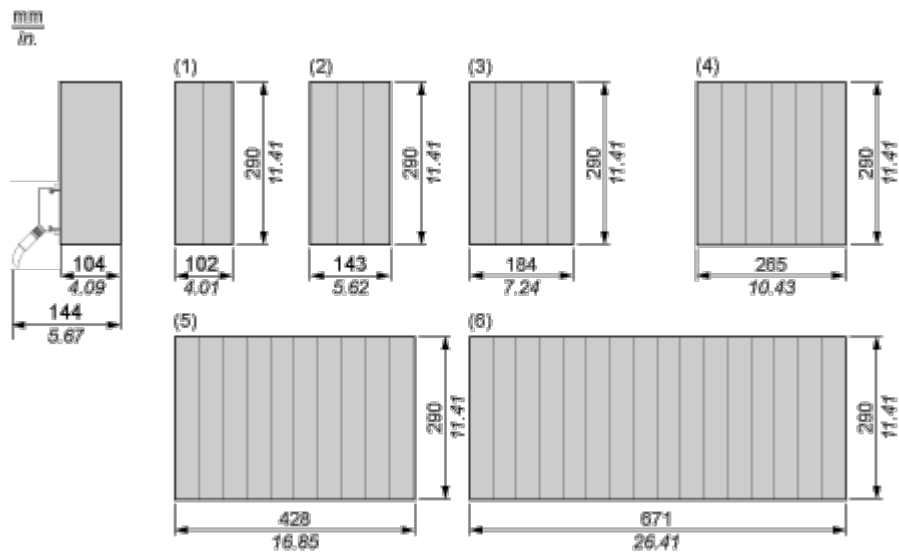
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

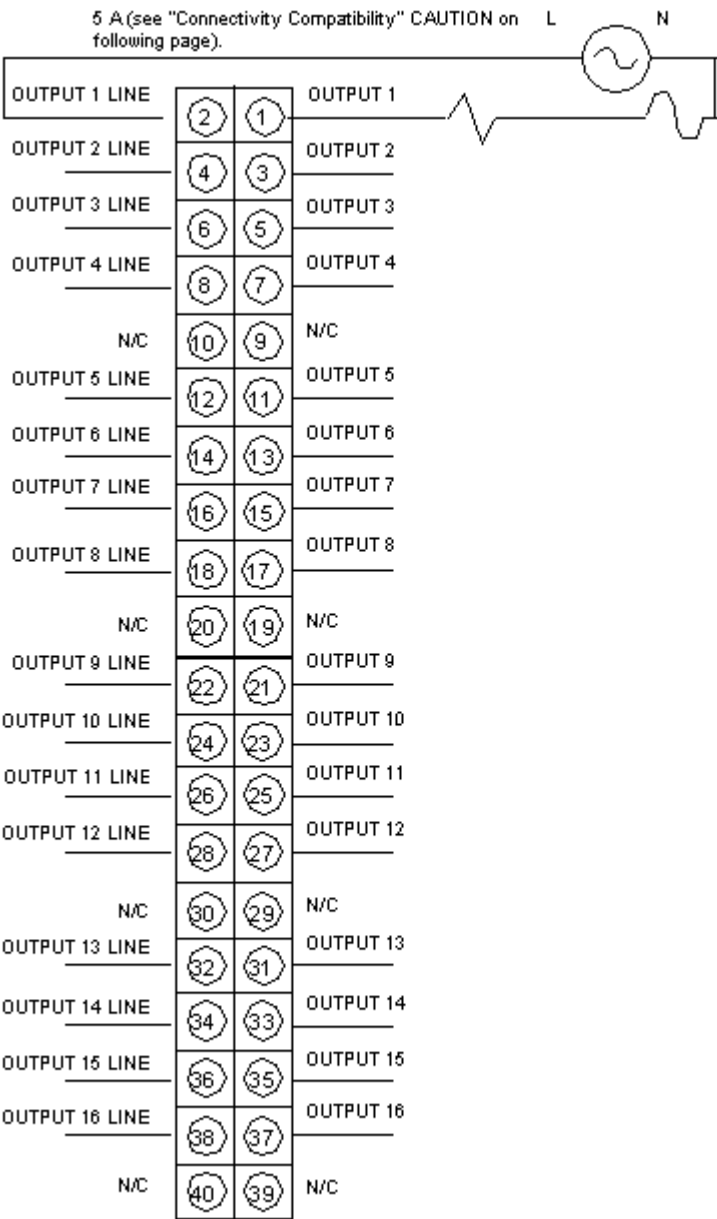


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

24...230 Vac Discrete Output Module

Wiring Diagram



N/C Not Connected