

# discrete output module Modicon Quantum - 16 O - 20..56 V AC

140DAO84220

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

Group Of Channels	4 groups of 4 channels
Supply Frequency	4763 Hz
Maximum Voltage Drop	1.5 V
Discrete Output Voltage	2056 V AC
Addressing Requirement	1 output word
Absolute Maximum Output	100 Vrms 1 cycle AC 63 Vrms for 10 s AC 111 Vrms for 1.3 s AC
Maximum Load Current	16 A rms per module 4 A rms per group 4 A rms 2056 V per output
Surge Current	45 A during 1 cycle per group 25 A during 2 cycles per group 30 A during 3 cycles 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	FM Class 1 Division 2 cUL
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**

9	
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	644.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.284 kg

# **Contractual warranty**

Warranty 18 months

# Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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.

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

## Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>Ø</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

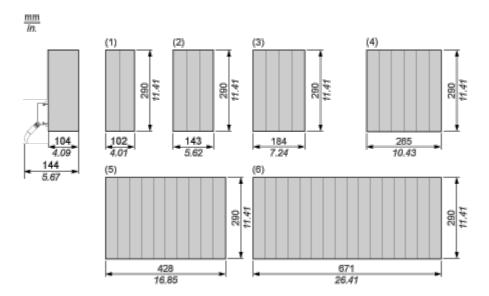
#### **Certifications & Standards**

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**



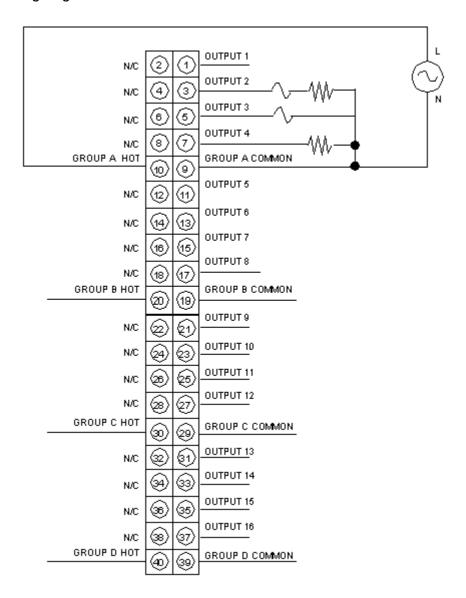
- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

## 140DAO84220

#### Connections and Schema

#### 24...48 Vac Discrete Output Module

#### Wiring Diagram



N/C Not Connected