# Product data sheet

Specifications





# discrete output module Modicon Quantum - 16 O

140DRA84000

- () Discontinued on: Dec 31, 2022
- () To be end-of-service on: Dec 31, 2030

() Discontinued - Service only

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

### Main

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

### Complementary

<u> </u>		
Contacts Type And Composition	1 NO	
Contact Form	Form A	
Discrete Output Voltage	20250 V AC	
	30150 V DC	
	530 V DC	
Addressing Requirement	1 output word	
Minimum Load	50 mA 20250 V AC	
	50 mA 530 V DC	
Maximum Load Current	1 A 250/30 V AC/DC 1/8 hp cos phi = 0.4	
	1 A 250/30 V AC/DC tungsten	
	2 A 250/30 V AC/DC resistive 140 °F (60 °C)	
	300 mA 3050 V DC resistive	
Surge Current	10 A 10 ms capacitive	
Switching Capacity In Va	500 VA resistive	
Maximum Response Time On	10 ms at state 0 to state 1	
Input Open	20 ms at state 1 to state 0	
Mechanical Durability	10000000 cycles	
Electrical Durability	100000 cycles 100 mA 30150 V DC L/R = 10 ms	
	100000 cycles 2 A 30 V DC resistive	
	100000 cycles 30150 V DC interposing relay	
	100000 cycles 300 mA 30150 V DC resistive	
	200000 cycles 2 A 250 V AC resistive	
	50000 cycles 500 mA 30150 V DC resistive	
Output Overvoltage Protection	Internal by varistor, 275 V	
Isolation Between Channels	1780 Vrms AC for 1 minute	
Isolation Between Channels And	1780 Vrms AC for 1 minute	
Bus	2500 V DC for 1 minute	
Power Dissipation	5.5 W + (0.5 x the number of points on)	
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)	

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

Bus Current Requirement	1100 mA
Module Format	Standard
Net Weight	0.90 lb(US) (0.41 kg)

## Environment

Product Certifications	FM Class 1 Division 2 C-tick GOST ABS
Standards	UL 508 CSA C22.2 No 142
Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 802000 MHz 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
Discount Schedule	PC21
Gtin	3595861127074
Returnability	Yes
Country Of Origin	CN

# **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	19.22 oz (545 g)

### **Contractual warranty**

Warranty

18 months

### Sustainability Screen Premium

**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.

Yes

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

#### **Certifications & Standards**

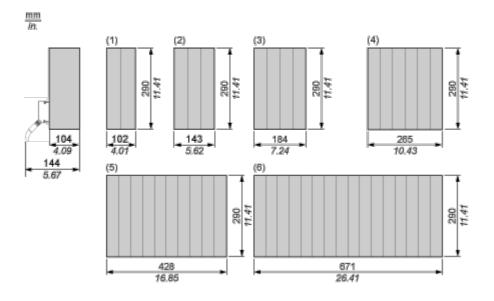
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life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

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#### **Dimensions Drawings**

#### **Racks for Modules Mounting**

#### **Dimensions of Modules and Racks**



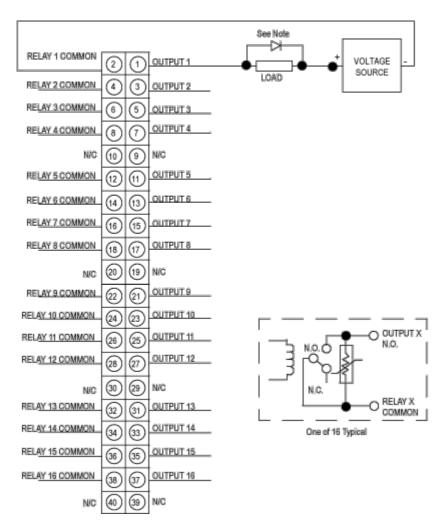
- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

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#### Connections and Schema

#### Relay Output Normally Open Module

#### Wiring Diagram



- N/C Not Connected
- N.O. Normally Open
- N.C. Normally Closed