Product data sheet

Specifications





① Discontinued

Modicon Quantum relay discrete output module - 16 O - 1 word

140DRA84000C

() Discontinued on: Mar 15, 2022

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

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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 Input Open	10 ms at state 0 to state 1 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 Bus	1780 Vrms AC for 1 minute 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)
Bus Current Requirement	1100 mA

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

Module Format	Standard
Net Weight	0.90 lb(US) (0.41 kg)

Environment

Protective Treatment	Conformal coating Humiseal 1A33
Product Certifications	FM Class 1 Division 2
	ABS
	GOST
	C-tick
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	3595861135949
Returnability	No
Country Of Origin	FR

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	15.75 in (40 cm)
Package 1 Weight	20.28 oz (575 g)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM 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-CO₂ 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

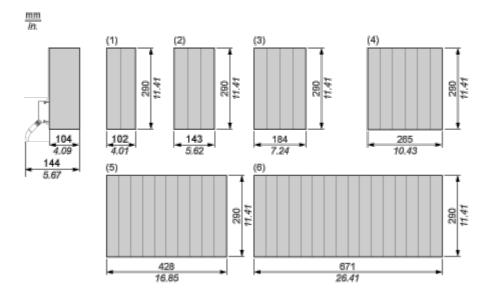
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life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

Product data sheet

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



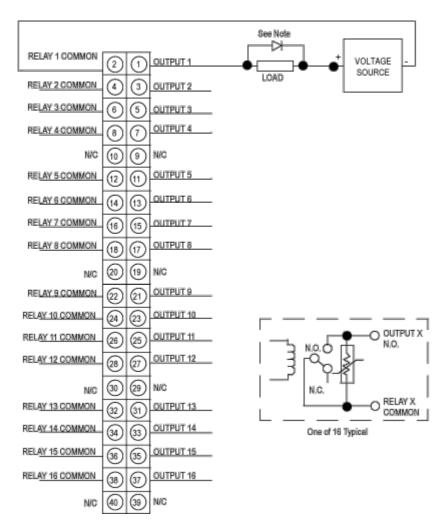
- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Product data sheet

Connections and Schema

Relay Output Normally Open Module

Wiring Diagram



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