

# Product data sheet

Specifications



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

140DRA84000C

⚠ Discontinued on: Dec 31, 2021

⚠ To be end-of-service on: Dec 31, 2029

⚠ Discontinued - Service only

### Main

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

### Complementary

Contacts Type And Composition	1 NO
Contact Form	Form A
Discrete Output Voltage	20...250 V AC 30...150 V DC 5...30 V DC
Addressing Requirement	1 output word
Minimum Load	50 mA at 20...250 V AC 50 mA at 5...30 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 at 60 °C 300 mA 30...50 V DC resistive
Surge Current	10 A for 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 30...150 V DC L/R = 10 ms 100000 cycles 2 A 30 V DC resistive 100000 cycles 30...150 V DC interposing relay 100000 cycles 300 mA 30...150 V DC resistive 200000 cycles 2 A 250 V AC resistive 50000 cycles 500 mA 30...150 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	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	1100 mA

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

Module Format	Standard
Net Weight	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 conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80...2000 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	40 cm
Package 1 Weight	575 g

## 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.

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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>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

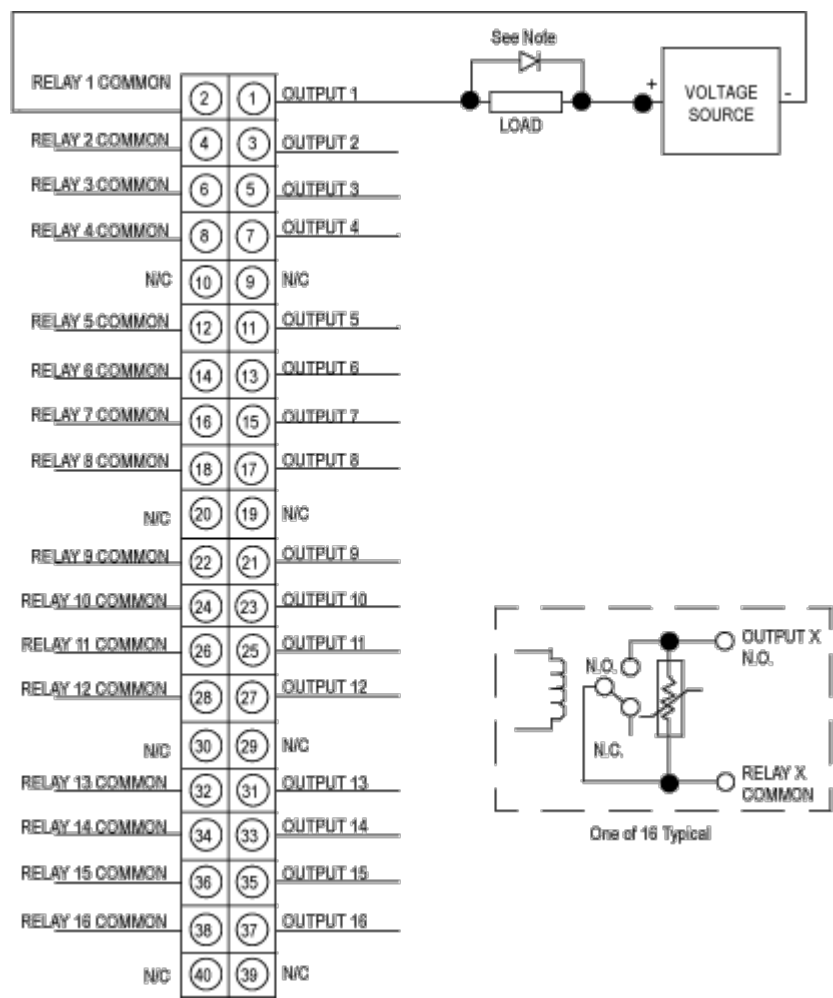


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Relay Output Normally Open Module

Wiring Diagram



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