

Product datasheet

Specifications



relay discrete output module Modicon Quantum - 8 O

140DRC83000

⚠ Discontinued on: 31 Dec 2022

⚠ To be end-of-service on: 31 Dec 2030

⚠ To be discontinued

Price: 15,046.18 ZAR

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Relay discrete output module
Discrete Output Number	8

Complementary

Contacts Type And Composition	1 NO/NC
Contact Form	Form C
Discrete Output Voltage	20...250 V AC 30...150 V DC 5...30 V DC
Addressing Requirement	0.5 output word
Maximum Load Current	100 mA 30...50 V DC L/R = 10 ms 2 A 250/30 V AC/DC tungsten 1/4 hp cos phi = 0.4 3 A 250/30 V AC/DC 300 mA 30...50 V DC resistive 5 A 250/30 V AC/DC resistive at 60 °C
Surge Current	20 A for 10 ms capacitive
Switching Frequency	30 Hz resistive load F = 0.5/l²L inductive load
Switching Capacity In Va	1250 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 30...150 V DC interposing relay 100000 cycles 300 mA 30...150 V DC resistive 100000 cycles 5 A 30 V DC resistive 200000 cycles 5 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 2500 V DC
Isolation Between Channels And Bus	1780 Vrms AC for 1 minute 2500 V DC for 1 minute
Power Dissipation	2.75 W + (0.5 x the number of points on)
Marking	CE

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Local Signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault detected (F) 8 LEDs (green) for input status
Bus Current Requirement	560 mA
Module Format	Standard
Net Weight	0.3 kg

Environment

Product Certifications	C-Tick GOST GL RMRS FM Class 1 Division 2 ABS DNV RINA
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	31.2 cm
Package 1 Weight	475.0 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-CO₂ products.

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RoHS/REACH

Well-being performance

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

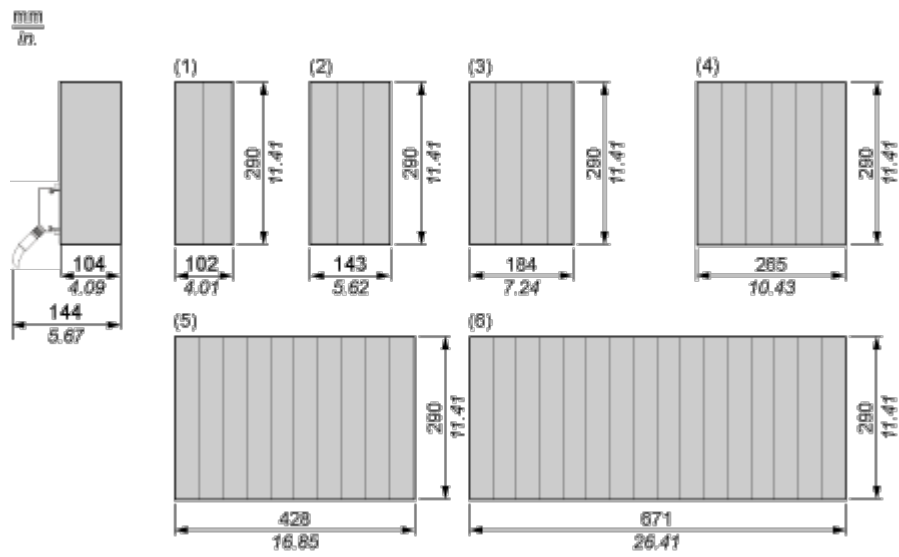
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) 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

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

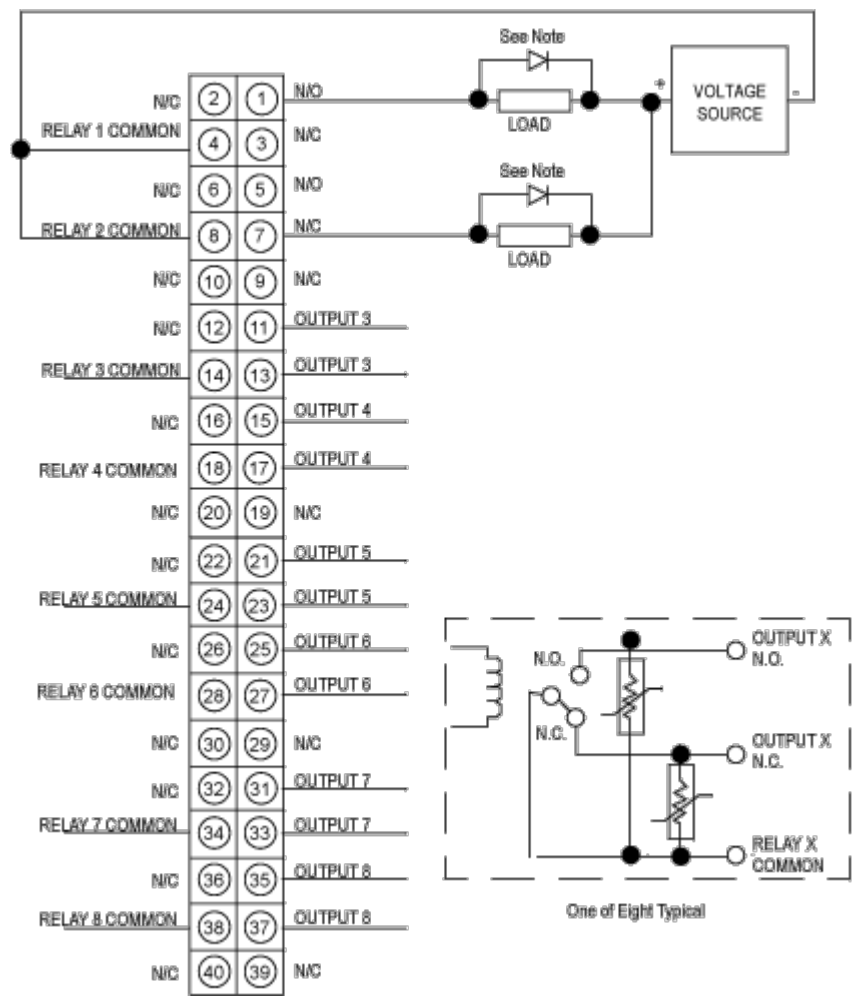


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Relay Output Normally Open/Normally Closed Module

Wiring Diagram



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