

Product datasheet

Specifications



relay discrete output module Modicon Quantum - 8 O

Local distributor code:

395516393

140DRC83000

! To be discontinued on: 31 Dec 2030

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

! Discontinued - Service only

EAN Code: 3595861127081

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

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
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.318 kg

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.

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](#)

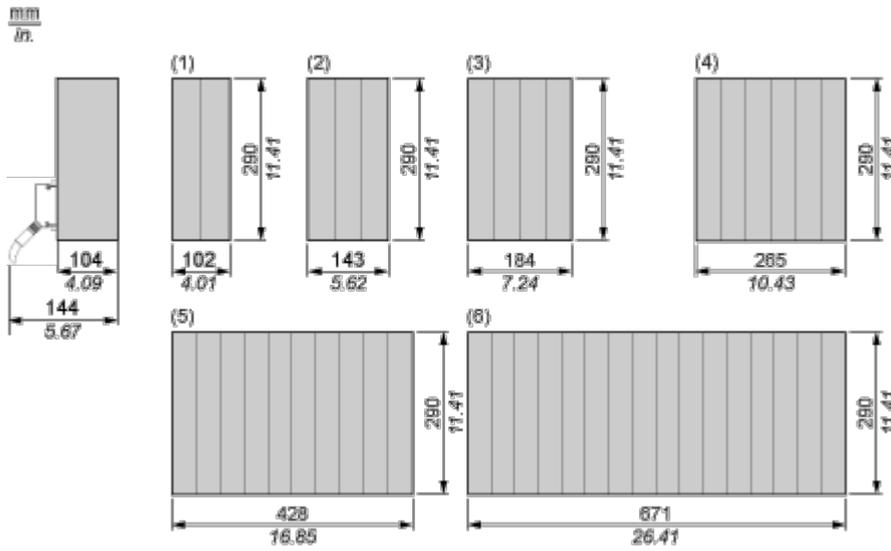
Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks

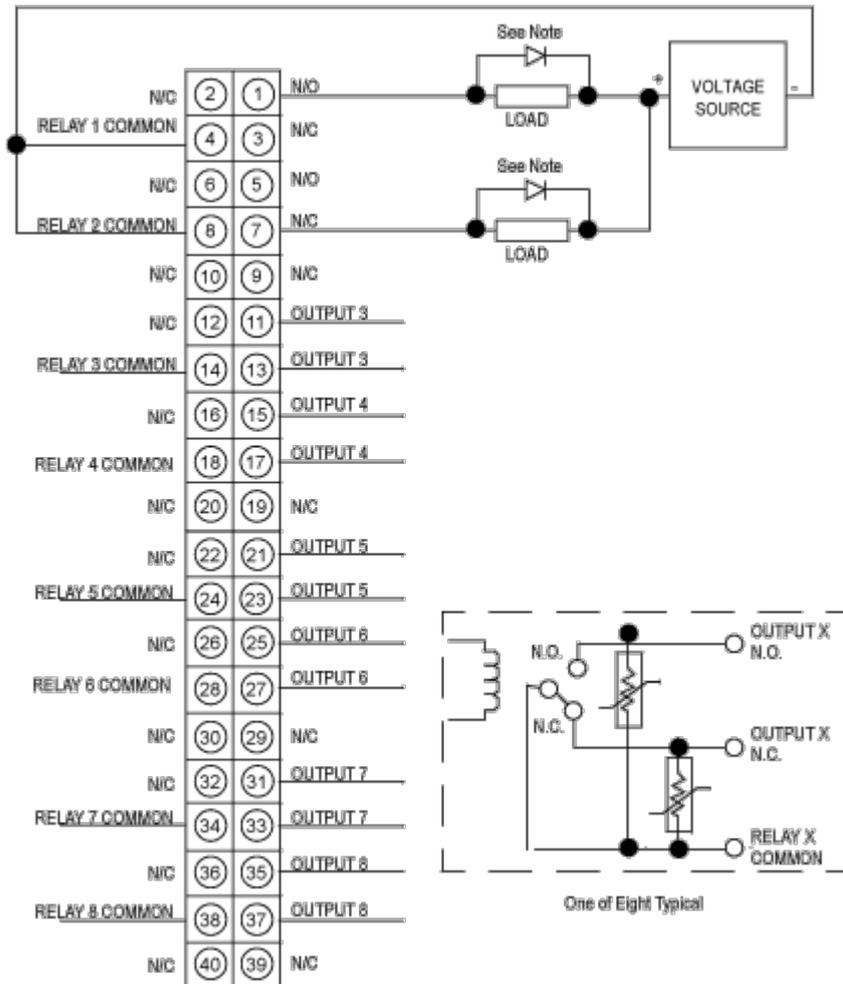


- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Connections and Schema

Relay Output Normally Open/Normally Closed Module

Wiring Diagram



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