Product datasheet

Specification





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

140DRA84000C

- ! Discontinued on: Feb 9, 2022 AD
- ! To be end-of-service on: Dec 31, 2029 AD

! 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	20250 V AC 30150 V DC 530 V DC
Addressing Requirement	1 output word
Minimum Load	50 mA at 20250 V AC 50 mA at 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 at 60 °C 300 mA 3050 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 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	LED (green) for bus communication is present (Active) LED (red) for external fault detected (F) LEDs (green) for input status
Bus Current Requirement	1100 mA

Module Format	Standard
Net Weight	0.41 ka

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 802000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	060 °C
Ambient Air Temperature For Storage	-4085 °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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RoHS/REACh

Well-being performance

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

Certifications & Standards

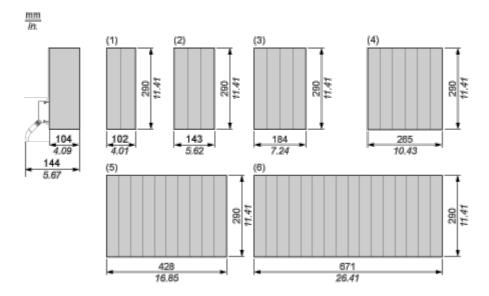
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life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

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Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



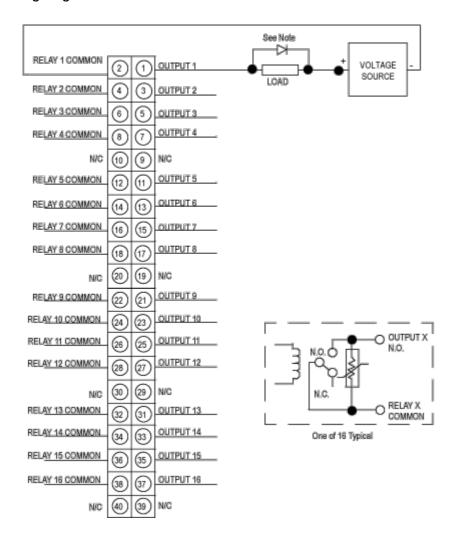
- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

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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