

Product data sheet

Specifications



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

140DRA84000C

- ! Discontinued on: 31 December 2021
- ! To be end-of-service on: 31 December 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
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

Offer Sustainability

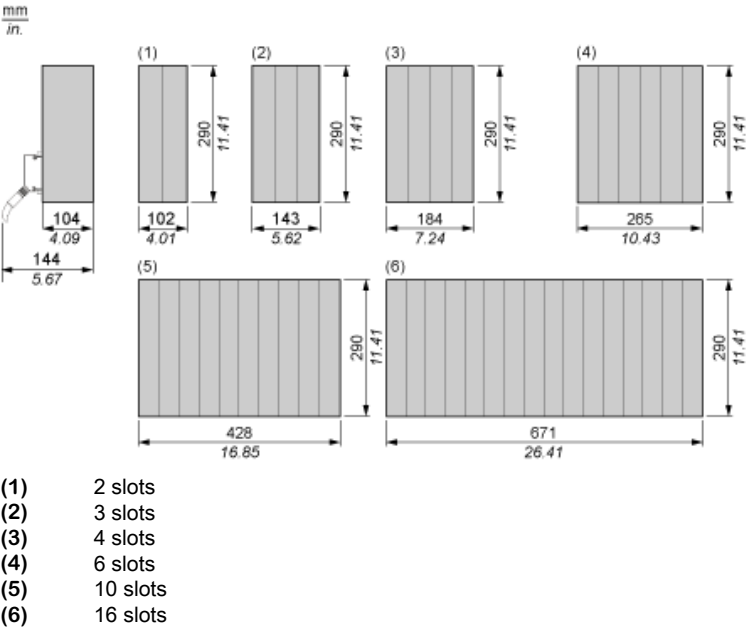
Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

Contractual warranty

Warranty	18 months
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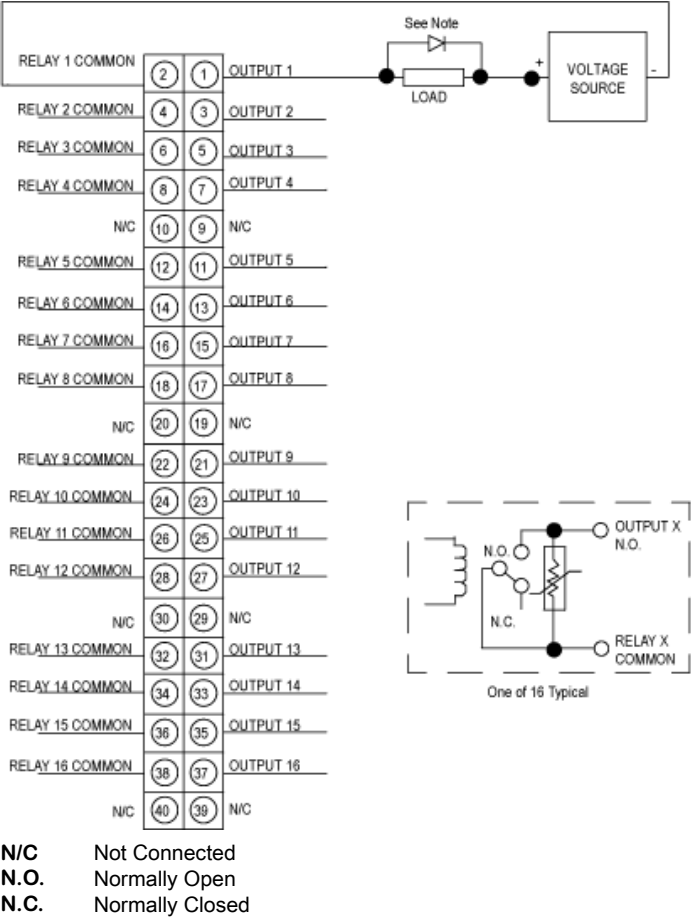
Racks for Modules Mounting

Dimensions of Modules and Racks



Relay Output Normally Open Module

Wiring Diagram



Recommended replacement(s)

140DRA84000C is replaced by:

1x



Discrete output module, Modicon X80, 8 NO relay outputs, 24 to 240V AC / 24 to 125V DC, for severe environments

BMXDRA0815H