

# Product datasheet

Specifications



## discrete output module Modicon Quantum - 16 O

Local distributor code: 395516403 140DRA84000

- Discontinued on: 31 December 2022
- To be end-of-service on: 31 December 2030

To be discontinued

EAN Code : 3595861127074

### 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

Product certifications	FM Class 1 Division 2 C-Tick GOST ABS
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	545 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.46 kg
Unit Type of Package 3	P12
Number of Units in Package 3	168
Package 3 Height	80 cm
Package 3 Width	120 cm
Package 3 Length	105 cm
Package 3 Weight	116.04 kg

## 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) <a href="#">EU RoHS Declaration</a>

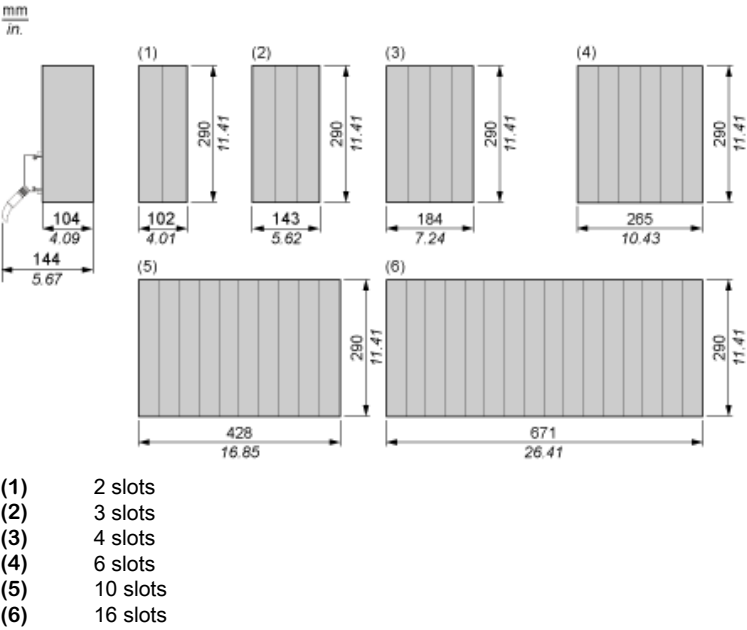
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	Yes
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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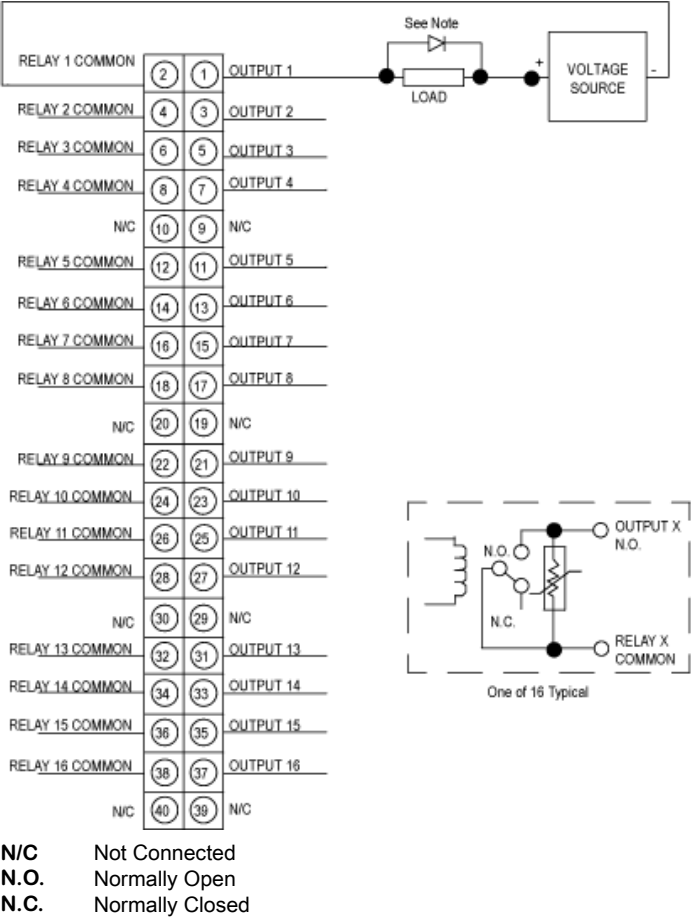
Racks for Modules Mounting

Dimensions of Modules and Racks



Relay Output Normally Open Module

Wiring Diagram



Recommended replacement(s)

140DRA84000 is replaced by:

1x



discrete module X80 - 8 NO Type A - Isolated relays - 125 V DC/250 V AC  
BMXDRA0815