



Commercial status

To be discontinued on: 31 December 2022

End-of-service soon on: 31 December 2030

❗ To be discontinued

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/I²L 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)bus communication is present (Active): 1 LED (red)external fault detected (F): 8 LEDs (green)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 Weight	474 g
Package 1 Height	5 cm
Package 1 width	17 cm
Package 1 Length	31 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	3.318 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

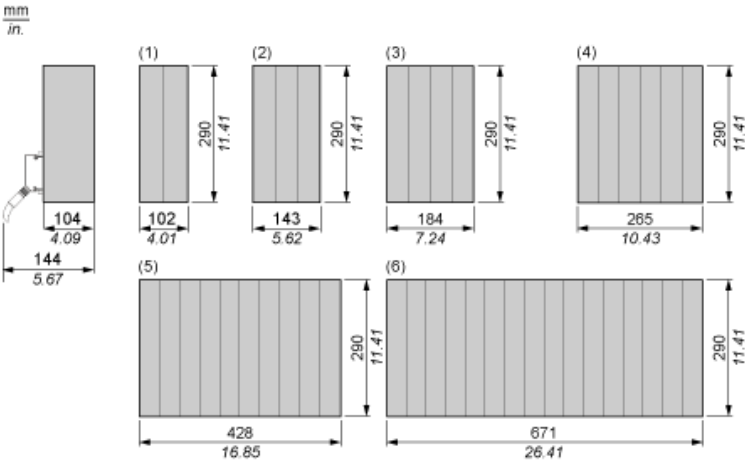
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity 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

Contractual warranty

Warranty	18 months
----------	-----------

Racks for Modules Mounting

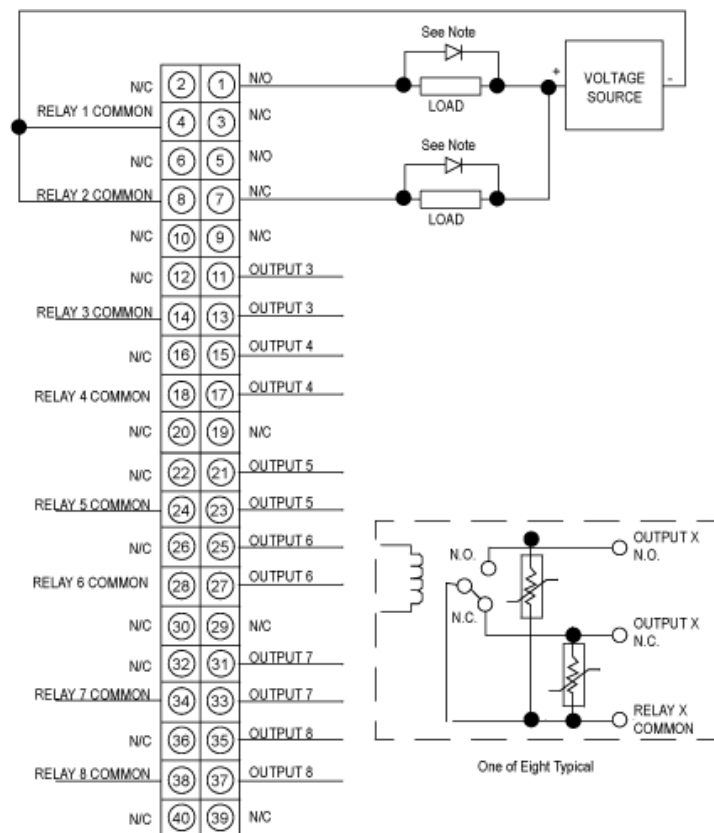
Dimensions of Modules and Racks



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

Relay Output Normally Open/Normally Closed Module

Wiring Diagram



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

140DRC83000 is replaced by:



Standard environment BMXDRA0815

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

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2019 | Linking to group 1