Product data sheet

Specifications

Green Premium™

RIO drop adaptor module Modicon Quantum - 1 connector with single cable

140CRA93100C

⚠ 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	RIO drop adaptor module

Complementary

Product compatibility	Quantum
Maximum number of I/O expansion module	27
Type of cable	75 Ohm coaxial cable
Transmission rate	1544 Mbit/s
Dynamic range	35 dB
Isolation voltage	500 V DC coaxial center and ground
Electrical connection	1 female connector F, elbowed with single cable
Diagnostics startup	Power up and runtime RAM address/data Executive checksum
Power dissipation in W	3 W 1 channel
Bus current requirement	600 mA 1 channel
Module format	Standard

Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 CUL UL 508
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…1000 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	5.0 cm
Package 1 Width	17.0 cm
Package 1 Length	31.0 cm
Package 1 Weight	522.0 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	4.169 kg

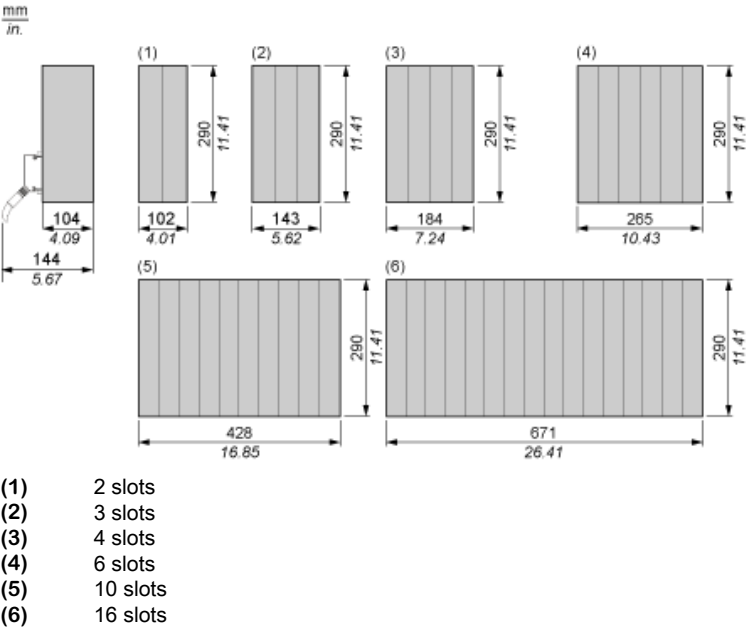## Offer Sustainability

Sustainable offer status	Green Premium product
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) 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
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

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

Recommended replacement(s)

140CRA93100C is replaced by:

1x		EIO drop adapter, Modicon X80, with Ethernet backplane, coated BMECRA31210C