

Product data sheet

Specifications



DIO drop interface Modicon Quantum - 115/230 V AC - 1 redundant port

140CRA21210C

! 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	DIO drop interface

Complementary

Number of port	1 single
[Us] rated supply voltage	115/230 V AC
Supply voltage limits	85...276 V
Supply frequency	47...63 Hz
Maximum supply current	0.2 A 115 V 0.4 A 230 V
Inrush current	10 A 115 V 20 A 230 V
Rated power in VA	50 VA
Associated fuse rating	1.5 A
Output voltage	5.1 V
Nominal output current	3 A
Minimum load current	0 A
Short-circuit protection	With
Output overvoltage protection	With
I/O words	30 I/32 O
Typical backplanes	4 positions 3 positions 16 positions 2 positions 6 positions 10 positions
Diagnostics startup	RAM RAM address Checksum
Diagnostics run time	RAM address Checksum RAM
Power dissipation in W	11 W
Connections - terminals	Terminal block, 7 poles

Module format	Standard
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Environment

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
Protective treatment	Conformal coating Humiseal 1A33 TC
Standards	UL 508
Product certifications	CSA Class 1 Division 2 C-Tick UL GOST DNV

Packing Units

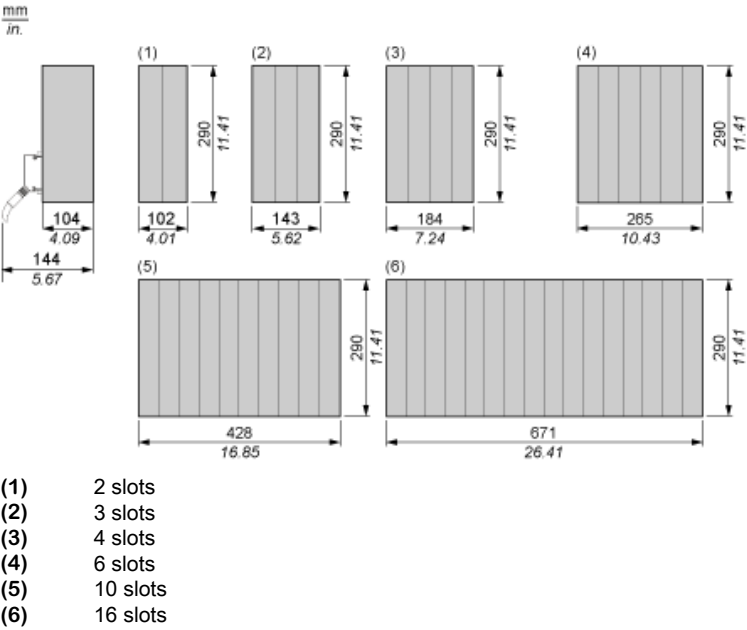
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	16.0 cm
Package 1 Length	31.5 cm
Package 1 Weight	726.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.452 kg

Contractual warranty

Warranty	18 months
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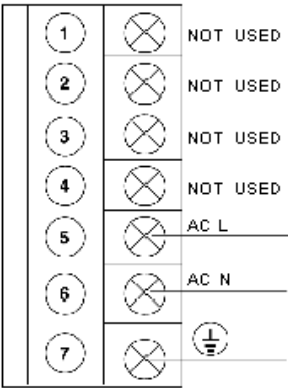
Racks for Modules Mounting

Dimensions of Modules and Racks



AC Powered Distributed I/O (DIO) Module

Wiring Diagram



Recommended replacement(s)

140CRA21210C is replaced by:

1x



EIO Drop adapter, Modicon X80, with Ethernet backplane, coated
BMECRA31210C