

Product data sheet

Specifications



Modicon Quantum DIO drop interface - number of port: 2 redundant - 24 V DC

140CRA21120C

! 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	2 redundant
[Us] rated supply voltage	24 V DC
Supply voltage limits	20...30 V
Maximum supply current	1.6 A 24 V
Inrush current	30 A 24 V
Maximum buffer time	1 ms
Associated fuse rating	2.5 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	6 positions 3 positions 4 positions 16 positions 2 positions 10 positions
Diagnostics startup	RAM RAM address Checksum
Diagnostics run time	Checksum RAM address RAM
Power dissipation in W	11 W
Connections - terminals	Terminal block, 7 poles
Module format	Standard

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 DNV UL GOST C-Tick

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	16.5 cm
Package 1 Length	31.5 cm
Package 1 Weight	685.0 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	1.37 kg

Offer Sustainability

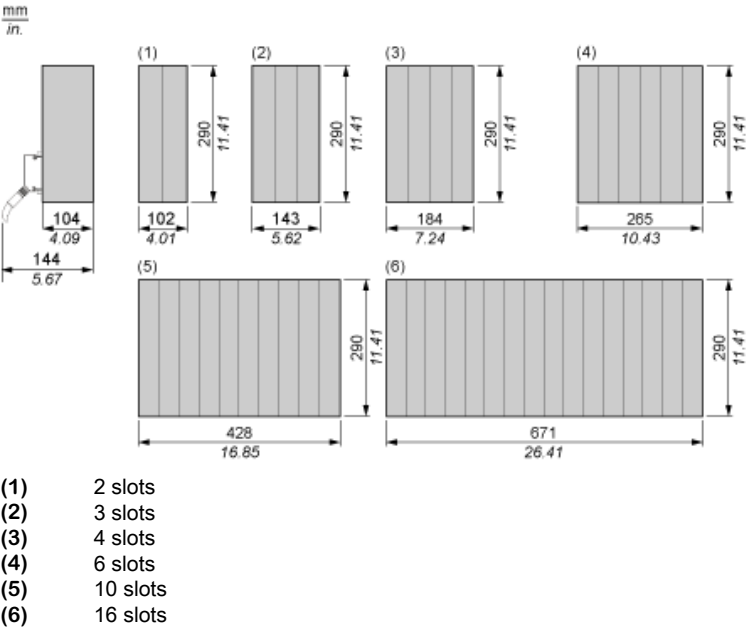
Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental 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
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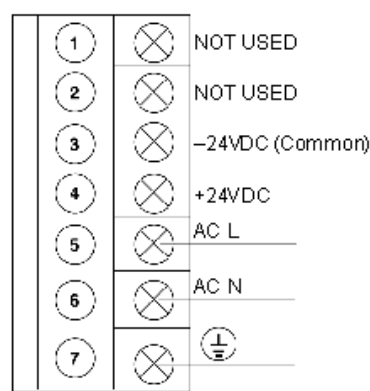
Racks for Modules Mounting

Dimensions of Modules and Racks



DC Powered Distributed I/O (DIO) Module

Wiring Diagram



Recommended replacement(s)

140CRA21120C is replaced by:

1x



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

BMECRA31210C