Product data sheet
Characteristics

140CRA21220
DIO drop interface Modicon Quantum - 24 V DC - 2 redundant port

Product availability : Non-Stock - Not normally stocked in distribution facility

Green Premium™

Commercial status

To be discontinued on: **31 December 2022**

To be end-of-service on: **31 December 2030**

⚠ To be discontinued

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	10 positions 2 positions 6 positions 3 positions 4 positions 16 positions
Diagnostics startup	RAM address Checksum RAM
Diagnostics run time	Checksum RAM RAM address

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Power dissipation in W	11 W
Connections - terminals	Terminal block, 7 poles
Module format	Standard

Environment

Resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80…2000 MHz IEC 801-3
Ambient air temperature for operation	32…140 °F (0…60 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Relative humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)
Protective treatment	TC
Standards	UL 508
Product certifications	UL C-tick GOST CSA Class 1 Division 2 DNV

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901793076
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

Packing Units

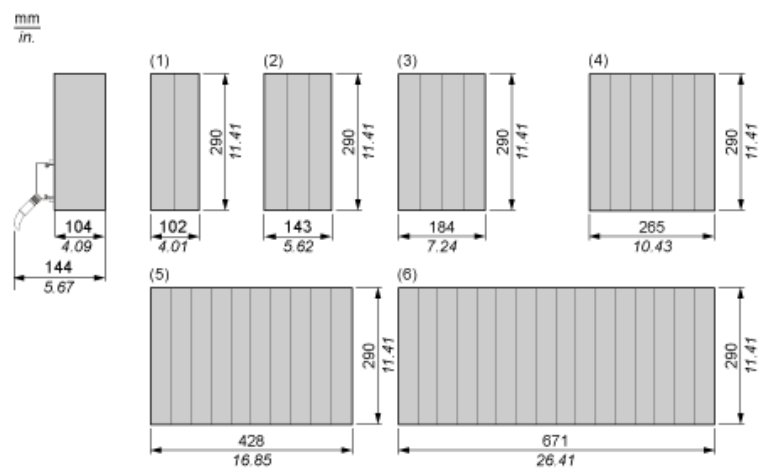|	
Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	6.30 in (16 cm)
Package 1 Length	12.40 in (31.5 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
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.

Contractual warranty

Warranty	18 months

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140CRA21220

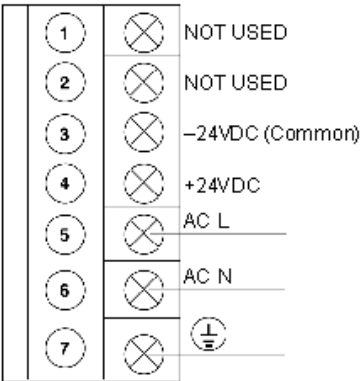## Racks for Modules Mounting

Dimensions of Modules and Racks

mm / in.

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

DC Powered Distributed I/O (DIO) Module

Wiring Diagram

140CRA21220 may be replaced by any of the following products:

Standard environment BMXCRA31200

Modicon X80 RIO Drop E/IP STD

Qty 1

Replacement product is not a drop in replacement, contact local sales team for more information

Standard environment BMXCRA31200

Modicon X80 RIO Drop E/IP STD

Qty 1

Linking to group 1