



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

Ordering and shipping details

Category	18155-QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	03595861136236
Nbr. of units in pkg.	1
Package weight(Lbs)	24.16 Oz (685 g)
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	6.50 In (16.5 cm)
Package 1 Length	12.40 In (31.5 cm)

Offer Sustainability

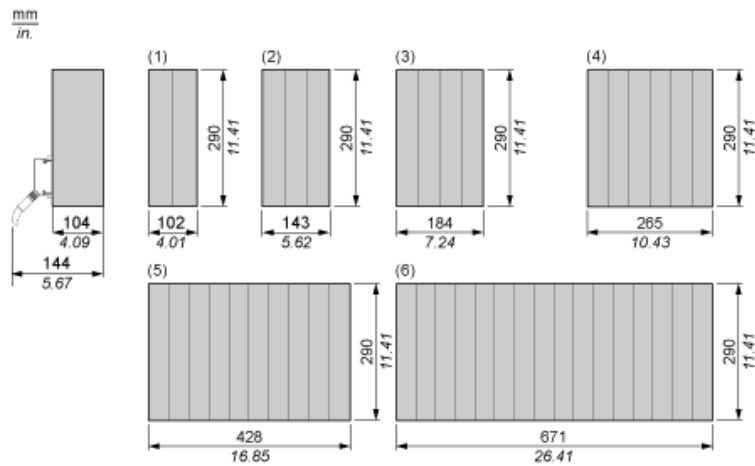
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity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

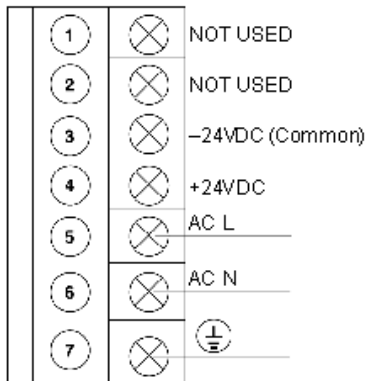
Dimensions of Modules and Racks



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

DC Powered Distributed I/O (DIO) Module

Wiring Diagram



Product Life Status : **End of commercialisation**

140CRA21120C may be replaced by any of the following products:



BMECRA31210C

Modicon X80 EIO Drop adapter with Ethernet backplane - coated

Qty 1

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



BMECRA31210C

Modicon X80 EIO Drop adapter with Ethernet backplane - coated

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2021 |



BMECRA31210C

Modicon X80 EIO Drop adapter with Ethernet backplane - coated

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2021 |