Product data sheet

Specifications

Green Premium™

DIO drop interface Modicon Quantum - 24 V DC - 2 single port

140CRA21120

Discontinued on: Dec 31, 2022

To be end-of-service on: Dec 31, 2030

Discontinued - Service only

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

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	2 positions 3 positions 6 positions 16 positions 4 positions 10 positions
Diagnostics Startup	Checksum RAM RAM address
Diagnostics Run Time	Checksum RAM address RAM
Power Dissipation In W	11 W
Connections - Terminals	Terminal block, 7 poles
Module Format	Standard

Environment

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	GOST C-tick DNV CSA Class 1 Division 2 UL

Ordering and shipping details

Category	US1PC2118155
Discount Schedule	PC21
Gtin	3595861136694
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.97 in (5.0 cm)
Package 1 Width	6.50 in (16.5 cm)
Package 1 Length	12.20 in (31.0 cm)
Package 1 Weight	23.77 oz (674.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	2
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	2.97 lb(US) (1.348 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes

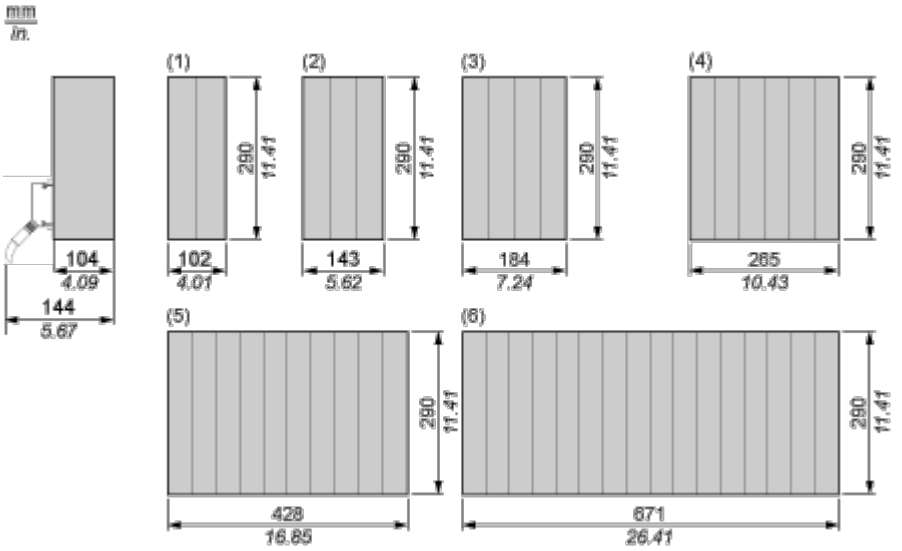
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
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

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



(1) 2 slots

(2) 3 slots

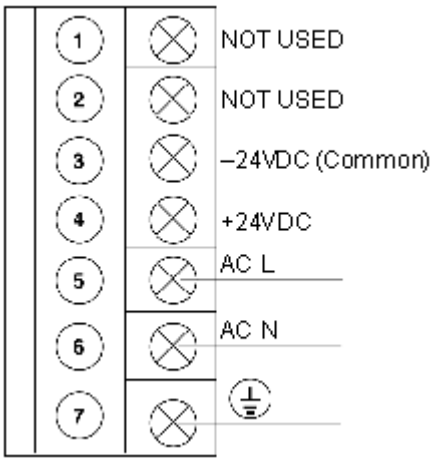
(3) 4 slots

(4) 6 slots

(5) 10 slots

(6) 16 slots

Connections and Schema

DC Powered Distributed I/O (DIO) Module

Wiring Diagram