Product data sheet

Specifications



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

140CRA21210

Discontinued - Service only

Discontinued on: Dec 31, 2022

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

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	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	16 positions 6 positions 3 positions 2 positions 4 positions 10 positions
Diagnostics startup	RAM address Checksum RAM
Diagnostics run time	RAM address RAM Checksum
Power dissipation in W	11 W
Connections - Terminals	Terminal block, 7 poles

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

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	9.1 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 UL DNV CSA Class 1 Division 2

Ordering and shipping details

Category	US1PC2118155
Discount Schedule	PC21
GTIN	3595861136755
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.890 in (4.800 cm)
Package 1 Width	6.457 in (16.400 cm)
Package 1 Length	12.520 in (31.800 cm)
Package weight(Lbs)	24.974 oz (708.000 g)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

EU RoHS Directive	Compliant
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

Use Longer

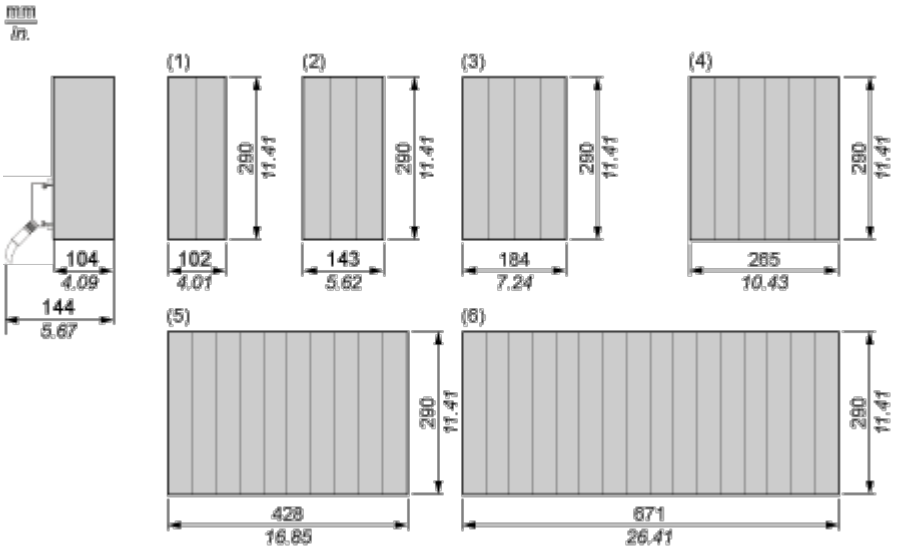
Lifetime extension

Repair	No

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

AC Powered Distributed I/O (DIO) Module

Wiring Diagram

