Product datasheet

Specifications





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

140CRA21220

- Discontinued on: 15 Jan 2023
- (!) To be end-of-service on: 31 Dec 2030

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	DIO drop interface

Complementary

Complementaly	
Number Of Port	2 redundant
[Us] Rated Supply Voltage	24 V DC
Supply Voltage Limits	2030 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
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 802000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	060 °C
Ambient Air Temperature For Storage	-4085 °C
Relative Humidity	95 % without condensation
Operating Altitude	<= 5000 m
Protective Treatment	ТС
Standards	UL 508
Product Certifications	UL C-Tick GOST CSA Class 1 Division 2 DNV

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.0 cm
Package 1 Width	16.0 cm
Package 1 Length	31.5 cm
Package 1 Weight	726.0 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	1.878 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

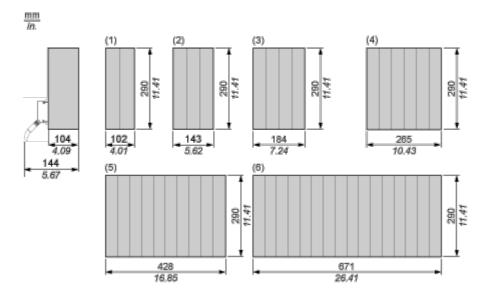
Certifications & Standards

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

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

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Connections and Schema

DC Powered Distributed I/O (DIO) Module

Wiring Diagram

