

Product data sheet

Specifications



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

140CRA21220C

! Discontinued - Service only

! Discontinued on: 31/12/2023

! To be end-of-service on: 31/12/2029

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

Environment

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 conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-40...85 °C
Relative Humidity	95 % without condensation
Operating Altitude	<= 5000 m
Protective Treatment	TC Conformal coating Humiseal 1A33
Standards	UL 508
Product Certifications	CSA Class 1 Division 2 GOST UL C-Tick 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	724.0 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	1.448 kg

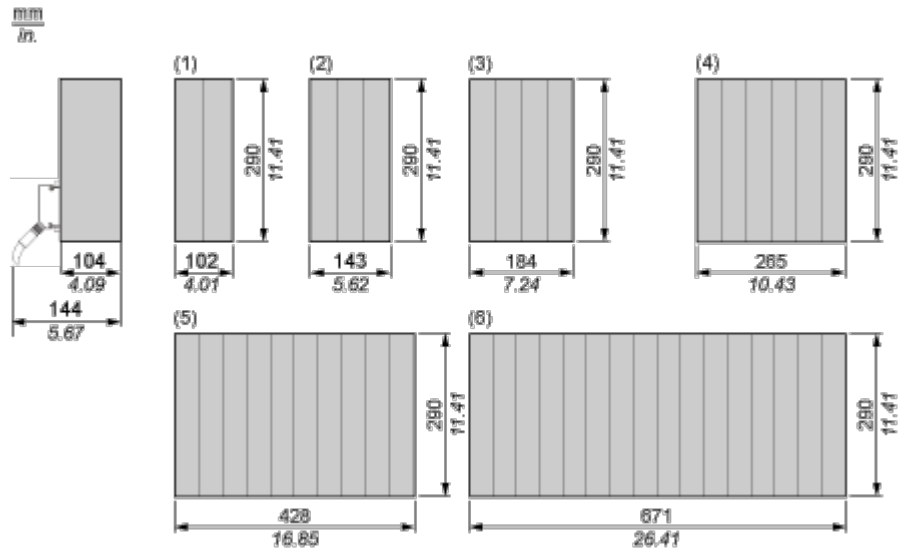
Contractual warranty

Warranty	18 months
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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

