



### 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
Supply current	1.6 A 24 V
Inrush current	30 A 24 V
Buffer time	<= 1 ms
Associated fuse rating	2.5 A
Output voltage	5.1 V
Nominal output current	3 A
Load current	>= 0 A
Short-circuit protection	With
Output overvoltage protection	With
I/O words	30 I/32 O
Typical backplanes	6 positions 4 positions 16 positions 10 positions 2 positions 3 positions
Diagnostics startup	Checksum RAM RAM address
Diagnostics run time	Checksum RAM RAM address
Power dissipation in W	11 W
Connections - terminals	Terminal block, 7 poles
Module format	Standard

140CRA21220C

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

## Environment

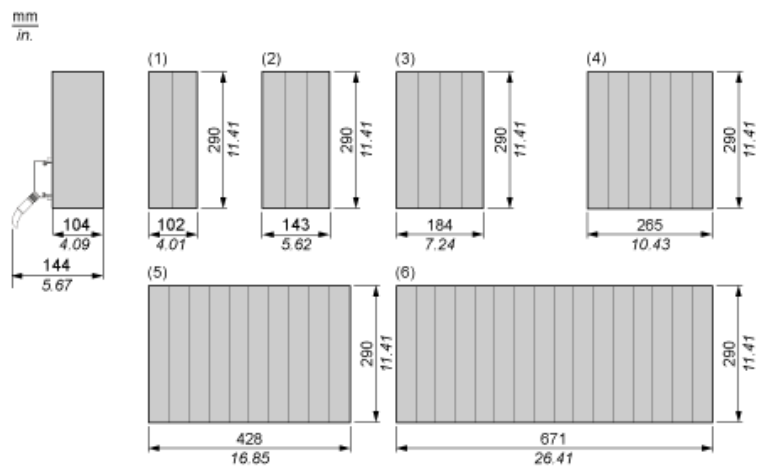
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m
Protective treatment	TC Conformal coating Humiseal 1A33
Standards	UL 508
Product certifications	UL GOST C-Tick DNV CSA Class 1 Division 2

## Contractual warranty

Warranty period	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

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DC Powered Distributed I/O (DIO) Module

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Wiring Diagram

