



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	16 positions 4 positions 3 positions 6 positions 2 positions 10 positions
Diagnostics startup	RAM Checksum RAM address
Diagnostics run time	RAM Checksum RAM address
Power dissipation in W	11 W

140CRA21120

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.

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 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
Standards	UL 508
Product certifications	UL DNV CSA Class 1 Division 2 C-Tick GOST

Offer Sustainability

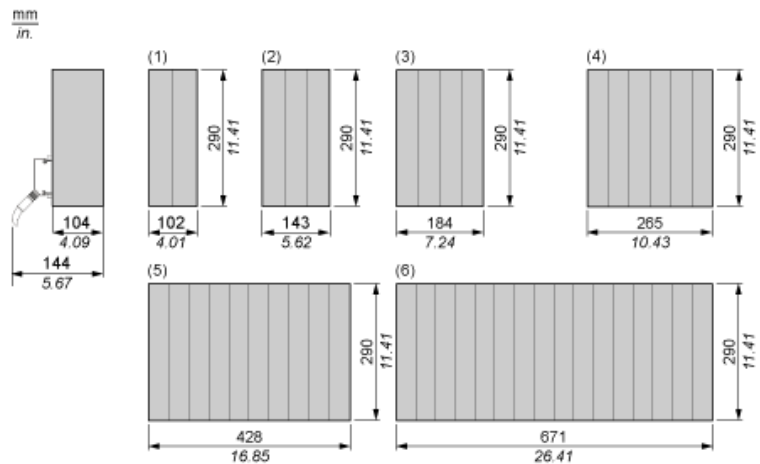
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0911 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of life manual
Product end of life instructions	Available

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

DC Powered Distributed I/O (DIO) Module

Wiring Diagram

