

Product datasheet

Specifications



Quantum RIO Drop E/IP 1CH - conformal coated

140CRA31200C

⚠ Discontinued on: 20 May 2025

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Main

Range of product	Modicon Quantum
Product or component type	Ethernet RIO drop adaptor
Number of port	3
Integrated connection type	Ethernet IP/Modbus TCP for service port Ethernet IP/Modbus TCP for device network
Communication port protocol	Ethernet IP/Modbus TCP
Communication service	Output modules are updated with the data received from remote I/O head adaptor The input data are collected and published to the remote I/O head adaptor

Complementary

Topology	Daisy chain loop
Local signalling	1 LED (green/red) for module status (Mod Status) 1 LED (green/red) for network communication status (Net Status) 1 LED (green) for RUN 1 LED (red) for I/O
Product compatibility	140CRP31200
Environmental characteristic	Hazardous location class I division 2 conforming to EN/IEC 61131-1 Harsh environment
Width	167 mm
Height	50 mm
Product weight	0.554 kg

Environment

Product certifications	UL 508 CE C-Tick
Standards	EN 55011 IEC 61000-4-16 CSA C22.2 No 142
IP degree of protection	IP20 conforming to EN 61131-2 IP20 conforming to IEC 60527
Overvoltage category	Class I conforming to EN 61131-2
Ambient air temperature for operation	0...60 °C conforming to IEC 60068-2-2 0...60 °C conforming to IEC 60068-2-2
Ambient air temperature for storage	-40...85 °C conforming to IEC 60068-2-2 -40...85 °C conforming to IEC 60068-2-2
Vibration resistance	3.5 mm constant amplitude (f= 0.5...8.4 Hz) conforming to EN 61131-2 1 gn constant acceleration (f= 8.4...150 Hz) conforming to EN 61131-2

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

Operating altitude	2000 m
Maximum altitude transport	3000 m
Relative humidity	93 % conforming to IEC 60068

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	16.500 cm
Package 1 Length	32.000 cm
Package 1 Weight	609.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	2
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.500 kg

Contractual warranty

Warranty (in months)	18
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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	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No

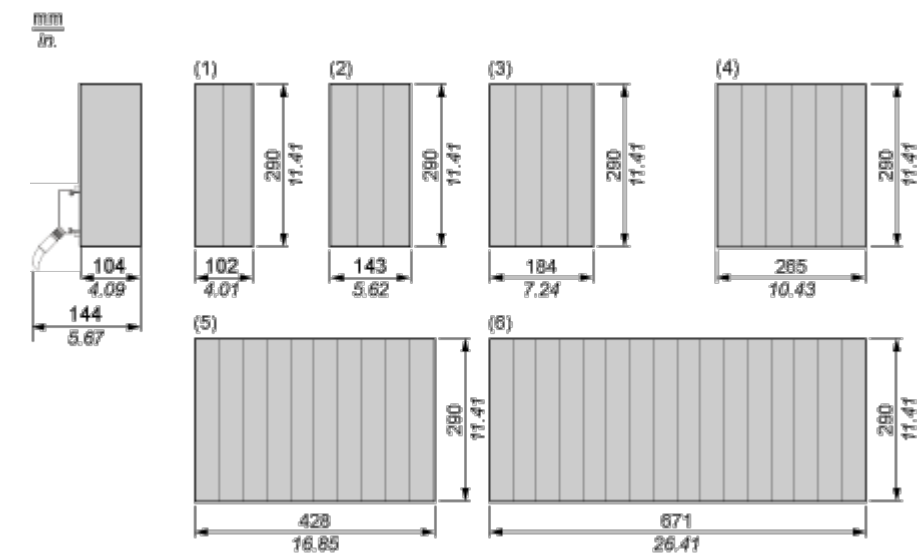
Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	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