

Product datasheet

Specifications



Quantum Ethernet RIO Head - conformal coated

140CRP31200C

⚠ Discontinued on: 09 Sept 2025

⚠ To be end-of-service on: 31 Dec 2029

⚠ Discontinued - Service only

Main

Range of product	Modicon Quantum
Product or component type	Ethernet RIO head for Quantum
Number of port	4
Integrated connection type	Ethernet IP/Modbus TCP for service port Ethernet IP/Modbus TCP for interlink port Ethernet IP/Modbus TCP for device network
Communication port protocol	Ethernet IP/Modbus TCP
Communication service	Diagnostics for remote I/O devices Allows PLC to connect to an Ethernet network RSTP support Configure IP parameters Configuration for remote I/O devices

Complementary

Topology	Daisy chain loop
Local signalling	1 LED (green) for activity 1 LED (green) for ready 1 LED (green/red) for module status (Mod Status) 1 LED (green/red) for network communication status (Net Status)
Product compatibility	140CPU67160 140CPU65160 140CPU67261 140CPU65260 140CPU65150
Environmental characteristic	Hazardous location class I division 2 conforming to EN/IEC 61131-1 Harsh environment
Width	167 mm
Height	50 mm
Net weight	0.554 kg

Environment

Product certifications	UL 508 C-Tick CE
Standards	EN 55011 CSA C22.2 No 142 IEC 61000-4-16
IP degree of protection	IP20 conforming to EN 61131-2 IP20 conforming to IEC 60527
Overvoltage category	Class I conforming to EN 61131-2

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

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
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	5.0 cm
Package 1 Width	16.5 cm
Package 1 Length	31.5 cm
Package 1 Weight	554.0 g

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	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

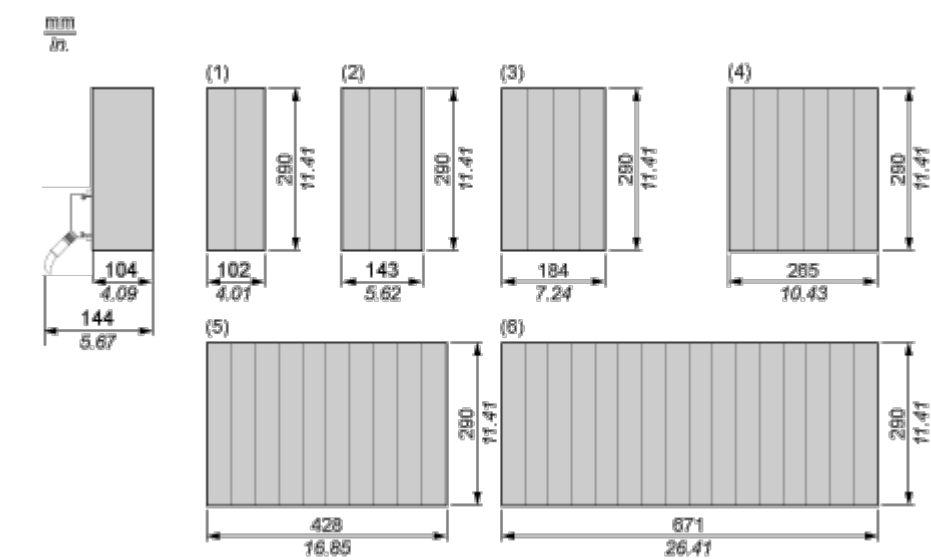
Use Longer

Lifetime extension	
Repair	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