Product datasheet

Specifications

Green Premium™

Quantum RIO Drop E/IP 1CH - conformal coated

140CRA31200C

To be discontinued on: 31 Dec 2029

To be end-of-service on: 31 Dec 2037

To be discontinued

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
Net 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

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

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	5.000 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	5.000 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes

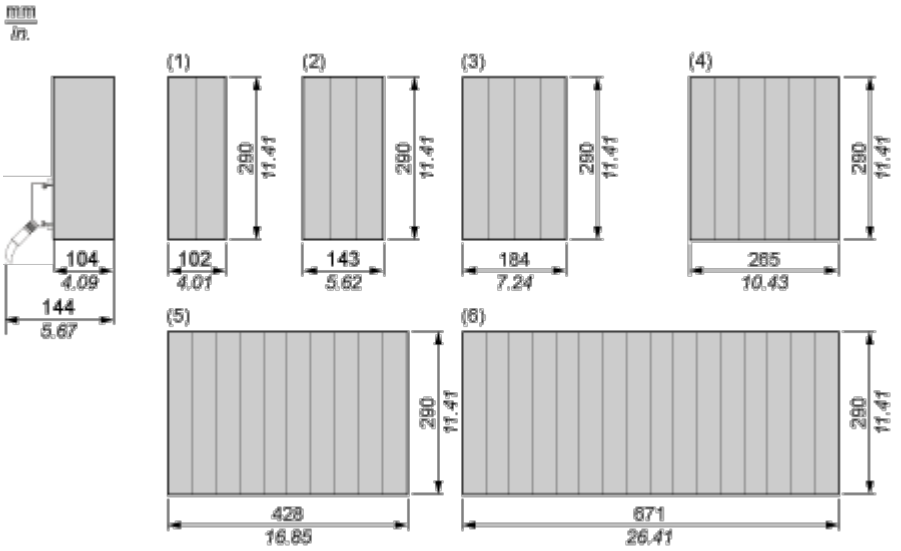
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

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