

# Product data sheet

Specifications



## Quantum RIO Drop E/IP 1CH

140CRA31200

### 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	The input data are collected and published to the remote I/O head adaptor Output modules are updated with the data received from 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	Standard environment Hazardous location class I division 2 conforming to EN/IEC 61131-1
Width	167 mm
Height	50 mm
Net weight	0.554 kg

### Environment

Product certifications	CE UL 508 C-Tick
Standards	IEC 55011 CSA C22.2 No 142 IEC 61000-4-16
IP degree of protection	IP20 conforming to IEC 61131-2 IP20 conforming to IEC 60527
Overvoltage category	Class I conforming to IEC 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 IEC 61131-2 1 gn constant acceleration (f= 8.4...150 Hz) conforming to IEC 61131-2

<b>Operating altitude</b>	2000 m
<b>Maximum altitude transport</b>	3000 m
<b>Relative humidity</b>	93 % conforming to IEC 60068

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.900 cm
<b>Package 1 Width</b>	16.400 cm
<b>Package 1 Length</b>	31.300 cm
<b>Package 1 Weight</b>	593.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	7
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	4.650 kg

## Contractual warranty

<b>Warranty</b>	18 months
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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	No
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	<b>WARNING:</b> This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Use Again

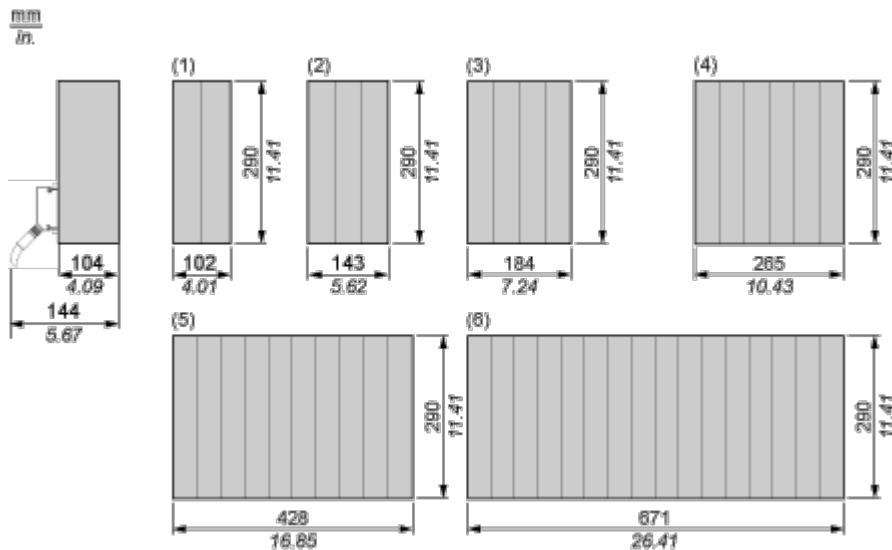
#### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
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