

Schneider Series Service Manual

140CRP93200C

1. Description

The 140CRP93200C from Schneider Electric is a head-end adapter module designed for use within the Modicon Quantum series. It supports a maximum of 31 drops per network and handles I/O words with a configuration of 64 inputs and 64 outputs.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type RIO head-end adaptor module
Product	Line Modicon Quantum
Part	Number 140CRP93200C
EAN	3595861137226
Maximum	Drops/Network 31
I/O	Words/Drop 64 I/64 O
Cable	75 Ohm coaxial
Transmission	Rate 1544 Mbit/s
Dynamic	Range 35 dB
Isolation	Voltage 500 V DC
Power	Dissipation 3 W
Marking	CE
Format	Standard
Ambient	Temperature 0 to 60 °C
Standards	UL 508, CUL, CSA
Protective	Treatment Conformal coating
Description	
The	Schneider Electric 140CRP93200C is identified as a RIO head-end adaptor module, engineered for use with the Modicon Quantum series. This unit accommodates up to 31 drops per network, facilitating connection to multiple devices. Each drop supports a configuration of 64 inputs and 64 outputs, providing flexibility in system design and integration.

3. Product Information

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Technical specifications for 140CRP93200C

Manufacturer Schneider Electric

Product Type RIO head-end adaptor module

Product Line Modicon Quantum

Part Number 140CRP93200C

EAN 3595861137226

Maximum Drops/Network 31

I/O Words/Drop 64 I/64 O

Cable 75 Ohm coaxial

Transmission Rate 1544 Mbit/s

Dynamic Range 35 dB

Isolation Voltage 500 V DC

Power Dissipation 3 W

Marking CE

Format Standard

Ambient Temperature 0 to 60 °C

Standards UL 508, CUL, CSA

Protective Treatment Conformal coating

Description

The Schneider Electric 140CRP93200C is identified as a RIO head-end adaptor module, engineered for use with the Modicon Quantum series. This unit accommodates up to 31 drops per network, facilitating connection to multiple devices. Each drop supports a configuration of 64 inputs and 64 outputs, providing flexibility in system design and integration.

Communication through this module is established via 75 Ohm coaxial cabling, enhancing signal integrity. Capable of transmitting data at a rapid rate of 1544 Mbit/s, it ensures efficient performance for real-time applications. The module also boasts a dynamic range of 35 dB, indicating effective signal processing capabilities.

With an isolation voltage up to 500 V DC, the 140CRP93200C module supports safe operations, thus promoting reliability in various installations. It dissipates a modest power of 3 W, defined within operational specifications. The device conforms to several standards, including UL 508, CUL, and CSA, alongside CE marking for additional compliance. Its standard format and protective conformal coating ensure durability in diverse environments. This model operates seamlessly within ambient temperatures between 0 and 60 °C.

Range of product

Modicon Quantum automation platform

Product or component type

RIO head-end adaptor module

Complementary

Product compatibility

Symax (any mix)

Quantum 200/500/800 series

Maximum drops/network

31

I/O words/drop

64 I/64 O

Type of cable

75 Ohm coaxial cable

Transmission rate

1544 Mbit/s

Dynamic range

35 dB

Isolation voltage

500 V DC coaxial center and ground

Electrical connection

2 female connectors F, elbowed with redundant cable

Diagnostics startup

Power up

LAN controller check

Memory check

Power dissipation in W

3 W 2 channels

Marking

CE

Bus current requirement

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750 mA 2 channels

Module format

Standard

Environment

Protective treatment

Conformal coating Humiseal 1A33

Product certifications

FM Class 1 Division 2

Standards

UL 508

CUL

CSA C22.2 No 142

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...1000 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

Packing Units

Unit Type of Package 1

PCE

Number of Units in Package 1

1

Package 1 Height

4.5 cm

Package 1 Width

16.5 cm

Package 1 Length

31.0 cm

Package 1 Weight

548.0 g

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