

PRODUCT INFORMATION DASHBOARD

Schneider Electric 140CRP93200C

redundant-cable Quantum RIO head-end adapter

The adapter manages the documented 1.544 Mbit/s RIO network, performs start-up diagnostics and exchanges up to 64 input and 64 output words per drop.

PRODUCT ROLE

31 drops per network

SYSTEM

Receives controller data and 750 mA bus current from the local rack.

INTERFACE

64 input and 64 output words per drop

SERVICE FOCUS

1.544 Mbit/s coaxial RIO

Exact-model highlights

- 31 drops per network
- 64 input and 64 output words per drop
- Two redundant F connectors
- 1.544 Mbit/s coaxial RIO

Release questions

IDENTITY

Is the complete 140CRP93200C code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

Product range	Modicon Quantum automation platform
Product type	RIO head-end adapter module
Compatible systems	Symax; Quantum 200/500/800 series
Maximum drops	31 per network
I/O words per drop	64 input / 64 output
Cable	75-ohm coaxial
Transmission rate	1.544 Mbit/s
Dynamic range	35 dB
Coax isolation	500 V DC centre-to-ground
Connections	2 female elbowed F connectors for redundant cable
Start-up diagnostics	Power-up, LAN controller and memory checks
Bus current	750 mA for two channels
Power dissipation	3 W for two channels
Operating temperature	0–60 °C
Operating altitude	Up to 5000 m

Application safeguards

SAFEGUARD 1

Record both coaxial cable paths, connector labels and the complete drop map before disconnection.

SAFEGUARD 2

Use only the documented 75-ohm coaxial network components and termination arrangement.

SAFEGUARD 3

Protect F connectors from contamination and avoid bending or stressing the coaxial cables.

SAFEGUARD 4

Verify the configured network contains no more than 31 drops.

Common applications

Quantum RIO head end

Connects the controller rack to the installed coaxial remote-I/O network.

Redundant cable architecture

Maintains two documented RIO cable paths for communication continuity.

Multi-drop I/O network

Coordinates as many as 31 drops within the published word capacity.

Head-adapter replacement

Restores coaxial connectors, topology, drop map and diagnostics for the same model.

Interface checklist

- Quantum backplane: Receives controller data and 750 mA bus current from the local rack.
- RIO controller: Performs start-up checks and schedules remote-I/O communication.
- Redundant coax: Uses two female elbowed F connectors on the 75-ohm redundant cable paths.
- Remote drops: Exchanges up to 64 input and 64 output words with each documented drop.

Installation snapshot

STEP 1

Match the replacement label to Schneider Electric 140CRP93200C and the approved hardware record.

STEP 2

Review the recorded wiring, interfaces, rack position and configuration before disturbing hardware.

STEP 3

Isolate hazardous energy and prove the required electrical condition at the work point.

STEP 4

Apply grounded ESD controls while handling the electronic assembly or backplane connection.

Model-specific FAQ

Q1 How many remote drops can Schneider Electric 140CRP93200C manage?

The published maximum is 31 drops on one RIO network.

Q2 How much I/O data is available per drop with Schneider Electric 140CRP93200C?

Each drop supports up to 64 input words and 64 output words.

Q3 Which cable type is specified for Schneider Electric 140CRP93200C?

Use the documented 75-ohm coaxial RIO cable system.

Q4 Why does Schneider Electric 140CRP93200C have two F connectors?

The two elbowed female F connectors support the installed redundant coaxial cable paths.

Q5 What transmission rate applies to Schneider Electric 140CRP93200C?

The RIO transmission rate is 1.544 Mbit/s.

Q6 Which start-up checks are performed by Schneider Electric 140CRP93200C?

The module performs power-up, LAN-controller and memory checks.

Q7 What should be recorded before replacing Schneider Electric 140CRP93200C?

Record both cable paths, terminators, connector labels, rack position, drop addresses and I/O word map.

Q8 How is Schneider Electric 140CRP93200C redundancy accepted?

Verify all drops on both cable paths, then test the approved single-path-failure condition while monitoring diagnostics.

Product precautions

- 1

Record both coaxial cable paths, connector labels and the complete drop map before disconnection.
- 2

Use only the documented 75-ohm coaxial network components and termination arrangement.
- 3

Protect F connectors from contamination and avoid bending or stressing the coaxial cables.
- 4

Verify the configured network contains no more than 31 drops.
- 5

Reconcile each drop with the 64-input-word and 64-output-word capacity.
- 6

Restore both redundant paths before judging network health.
- 7

Review power-up, LAN-controller and memory diagnostics after energization.
- 8

Prove communication to every affected drop and verify cable-failover response before release.

Related products

Verified related products on ApterPower

Schneider Electric TSXP57302M
Modicon Premium processor

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Share the exact 140CRP93200C nameplate, application and required quantity for a model-specific quotation.

