

INDUSTRIAL AUTOMATION PRODUCT

140CRP93100

Modicon Quantum RIO Head-End Adapter Module

Schneider Electric 140CRP93100 is a Modicon Quantum remote-I/O head-end adapter with one channel and a single-cable connector. It links the controller to the documented coaxial RIO network.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Schneider Electric
System family	Modicon Quantum
Part number	140CRP93100
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 140CRP93100 only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and head-end communication between a Quantum controller and one documented remote-I/O coaxial channel before service release.

System Role and Architecture

Schneider Electric 140CRP93100 is a Modicon Quantum remote-I/O head-end adapter with one channel and a single-cable connector. It links the controller to the documented coaxial RIO network.

FUNCTION 1
Single-channel RIO head-end adapter

FUNCTION 2
One connector for a single cable

FUNCTION 3
600 mA bus-current requirement

FUNCTION 4
3 W power dissipation

RELATED APTER POWER PAGES

1 Schneider Electric 140ARI03010C

2 Schneider Electric 140ACO13000C

3 Schneider Electric 140AII33010

4 Schneider Electric 140CPU43412

5 Schneider Electric 140DSI35300

6 Schneider Electric 140NOE77100

7 Schneider Electric 990XCP98000

8 Schneider Electric 140XTS00200

9 Schneider Electric 140XBP00600

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Modicon Quantum
02	Matched Modicon Quantum host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Modicon Quantum
Interface role	head-end communication between a Quantum controller and one documented remote-I/O coaxial
Field / power context	documented Modicon Quantum installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the complete 140CRP93100 marking and the documented Modicon Quantum RIO Head-End Adapter Module execution.

2 Place the machine, controller and affected process in the approved maintenance state.

3 Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4 Record the installed position, every terminal or port, and the active engineering configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	RIO head-end adapter module	Bus current required	600 mA
Automation platform	Modicon Quantum	Power dissipation	3 W
Remote-I/O channels	1	Comparison reference	140CRP93200 provides two channels
External connection	1 connector with single cable	System role	Quantum remote-I/O head-end communication

RELATED PRODUCT PAGES

1Schneider Electric 140ARI03010C

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5Schneider Electric 140DSI35300

6Schneider Electric 140NOE77100

7Schneider Electric 990XCP98000

8Schneider Electric 140XTS00200

9Schneider Electric 140XBP00600

ENGINEERING BOUNDARY

Confirm 140CRP93100, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 140CRP93100 marking and the documented Modicon Quantum RIO Head-End Adapter Module execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.

Applications and Engineering Context

Quantum remote-I/O head end

Connects the controller rack to the documented coaxial RIO network.

Single-cable RIO architecture

Maintains the one-channel topology assigned to the 140CRP93100.

Legacy RIO replacement

Restores the exact drop map, addressing and cable termination.

RIO commissioning

Verifies communication to every configured remote drop before release.

TECHNICAL NOTE

Install 140CRP93100 only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and head-end communication between a Quantum controller and one documented remote-I/O coaxial channel before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	140CRP93100 recorded
Host / carrier	Modicon Quantum
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms head-end communication between a Quantum controller and one documented remote-I/O coaxial channel

IMPORTANT NOTICE

Confirm 140CRP93100, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Schneider Electric 140ARI03010C

View Schneider Electric 140ARI03010C page

2

Schneider Electric 140ACO13000C

View Schneider Electric 140ACO13000C page

3

Schneider Electric 140AII33010

View Schneider Electric 140AII33010 page

4

Schneider Electric 140CPU43412

View Schneider Electric 140CPU43412 page

5

Schneider Electric 140DSI35300

View Schneider Electric 140DSI35300 page

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Schneider Electric 140NOE77100

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Schneider Electric 990XCP98000

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8

Schneider Electric 140XTS00200

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Schneider Electric 140XBP00600

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MANUFACTURER SOURCE RECORD

Schneider Electric 140CRP93100 product record and FAQ FA197498 | Official manufacturer evidence verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.