

Schneider Electric 140ARI03010

RTD Input Module / Product dashboard

Commissioning compares raw and engineering values against known conditions and records alarm and control response.

IDENTITY

Schneider Electric 140ARI03010

PRODUCT ROLE

RTD Input Module

PLATFORM

Modicon Quantum

CONTROL BASIS

Exact evidence plus installed-system record

Input count	8 analog channels
Sensor families	Ni/Pt 100, 200, 500 and 1000
Input type	Differential
Resolution	13 bits
Input impedance	>= 10 MOhm
Linearity error	+/-0.01% full scale; +/-0.5 degrees C

The dashboard places 140ARI03010 identity, operating role and maintenance boundaries in one review surface for the Modicon Quantum installation.

Dashboard boundary

This overview supports identification and maintenance planning; it does not declare compatibility with a neighboring model or approve a redesign.

Schneider Electric 140ARI03010

RTD Input Module / Technical matrix

Input count	8 analog channels
Sensor families	Ni/Pt 100, 200, 500 and 1000
Input type	Differential
Resolution	13 bits
Input impedance	≥ 10 MOhm
Linearity error	$\pm 0.01\%$ full scale; ± 0.5 degrees C
Bus current	200 mA
Power dissipation	1 W

DATA USE

Values support exact-model identification and configuration review.

LIMIT CONTROL

Electrical, software and loading limits remain subject to the installed design.

RECORD SOURCE

Schneider Electric 140ARI03010 Product Data and RTD Wiring FAQ

REVISION NOTE

Modicon Quantum exact-model record

Schneider Electric 140ARI03010

RTD Input Module / Application architecture

RTD temperature acquisition

Reads supported nickel or platinum sensors on eight channels.

Process temperature control

Supplies scaled temperature values to the Quantum application.

Condition monitoring

Tracks machine or utility temperatures through the configured RTD ranges.

Exact module renewal

Restores channel type, wiring method and PLC mapping without borrowing another suffix.

Input to decision	Exact label plus manufacturer evidence
Installed context	Rack, terminal, network, project and connected process
Change control	Approved scope and retained configuration baseline
Proof	Diagnostic state plus witnessed functional result

Within the Modicon Quantum context, 140ARI03010 must be reviewed together with its assigned project data, field interfaces and the maintenance acceptance record.

Schneider Electric 140ARI03010

RTD Input Module / Risk and decision register

PRIMARY RISK

A mismatch between the 140ARI03010 label and the installed rtd input module record.

CONFIGURATION RISK

Loss of the 140ARI03010 project, mapping, wiring or interface baseline.

SELECTION RISK

Treating another Modicon Quantum item as automatically equivalent to 140ARI03010.

RELEASE RISK

Returning 140ARI03010 to control before diagnostics and functional response are witnessed.

Decision register

How many inputs does Schneider Electric 140ARI03010 provide?

It provides eight analog input channels for supported RTD sensors.

What is the Schneider Electric 140ARI03010 input resolution?

Schneider Electric specifies 13-bit resolution.

What limits a two-wire RTD on Schneider Electric 140ARI03010?

Allowable lead resistance depends on the accuracy accepted by the application and must be engineered accordingly.

What should be checked after installing Schneider Electric 140ARI03010?

Review module diagnostics and compare each raw and scaled value with a known sensor condition.

Which sensor materials does Schneider Electric 140ARI03010 support?

The exact product page lists nickel and platinum RTDs in the supported 100, 200, 500 and 1000 ranges.

How far can a three- or four-wire RTD be located from Schneider Electric 140ARI03010?

The manufacturer FAQ gives a maximum cable distance of 200 m for three- and four-wire connections.

What configuration data must be retained for Schneider Electric 140ARI03010?

Keep sensor type, channel range, scaling, alarm limits, wiring method and PLC address mapping.

Can Schneider Electric 140ARI03010C data be applied automatically to 140ARI03010?

No. Preserve the complete exact identifier and do not transfer suffix-specific facts without exact evidence.

Decision closeout

Approve the 140ARI03010 decision register only when identity, configuration, diagnostics and observed process behavior tell one consistent story.

Schneider Electric 140ARI03010

RTD Input Module / Canonical record and support

Canonical identity	Schneider Electric 140ARI03010
Product name	RTD Input Module
Family	Modicon Quantum
Selection boundary	Exact identity; no neighboring-model inference
Release boundary	Installed record plus witnessed functional proof

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

[Schneider Electric 140XCA71706](#)

[View Schneider Electric 140XCA71706 page](#)

[Schneider Electric 140CPU43412A](#)

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MANUFACTURER EVIDENCE RECORD

Schneider Electric 140ARI03010 Product Data and RTD Wiring FAQ

Modicon Quantum exact-model record

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Send the exact model, quantity, destination and requested condition for a quotation.

