Foxboro FBM203 P0914SV

Complete Product Information

Foxboro FBM203 P0914SV accepts eight isolated platinum, nickel or copper RTD measurements and converts their resistance values for Foxboro control processing.

WHAT THIS PRODUCT DOES

Foxboro FBM203 P0914SV is a rtd input module for resistance-temperature detector inputs. It operates with the RTD termination assembly and configured analog-input application and provides eight independent temperature channels.

Product characteristic 1

Provides eight independent temperature channels for its rtd input module function.

Product characteristic 2

Handles resistance-temperature detector inputs through the documented Foxboro system path.

Product characteristic 3

Works with the RTD termination assembly and configured analog-input application.

Product characteristic 4

Independent conversion and isolation support channel-by-channel temperature acquisition.

PRODUCT-PAGE TECHNICAL SNAPSHOT

RTD channels	8 isolated inputs
Sensor wiring	2-wire or 3-wire RTDs
Resistance range	0 to 320 ohms
Supported elements	Platinum, nickel and copper RTDs

IMPORTANT NOTICE

Use FBM203 P0914SV only with the RTD termination assembly and configured analog-input application; verify every interface and the controlled project configuration before energizing or pressurizing the subsystem.

APTERPOWER SALES TEAM
WhatsApp / Phone: +86 180 3023 5313
Email: sales13@apterpower.com
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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

RTD channels	8 isolated inputs
Sensor wiring	2-wire or 3-wire RTDs
Resistance range	0 to 320 ohms
Supported elements	Platinum, nickel and copper RTDs
Fieldbus	Redundant 2 Mbps module Fieldbus

FEATURE INTERPRETATION

Product identity

Provides eight independent temperature channels for its rtd input module function.

System role

Handles resistance-temperature detector inputs through the documented Foxboro system path.

Service context

Works with the RTD termination assembly and configured analog-input application.

Return-to-service focus

Independent conversion and isolation support channel-by-channel temperature acquisition.

SIGNAL OR CONTROL PATH

RTD element → **Input termination** → **FBM203 conversion** → **Control value**

The rtd input module belongs in the controlled Foxboro architecture and works with the RTD termination assembly and configured analog-input application. Its mating hardware, wiring, database configuration and final response must be checked together before release.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which RTD materials are supported by Foxboro FBM203 P0914SV?	The documented module family supports platinum, nickel and copper resistance-temperature detectors.
How many temperature channels are provided?	Eight isolated RTD input channels are available.
Which lead configurations can be connected?	The module accepts two-wire or three-wire RTD circuits.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

System maintenance

Restores the documented rtd input module function in an existing Foxboro control system.

Signal-path service

Supports controlled testing of resistance-temperature detector inputs at the assigned system position.

Planned replacement

Provides an exact-identity replacement path after the RTD termination assembly and configured analog-input application has been verified.

Commissioning

Allows the responsible engineer to prove configuration, diagnostics and response for eight independent temperature channels.

APPLICATION VERIFICATION MAP

System maintenance	Confirm the documented system position and the required operating function.
Signal-path service	Compare the restored connection or control path with the approved record.
Planned replacement	Check the physical interface and the retained configuration before startup.
Commissioning	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

Which lead configurations can be connected?	The module accepts two-wire or three-wire RTD circuits.
What resistance span is associated with P0914SV?	The documented input range is 0 to 320 ohms.
How should lead resistance be handled?	Use the approved wiring mode and termination arrangement, then verify the configured compensation and measured value.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match the complete FBM203 P0914SV marking to the work order and installed position before removal.
02	Confirm the RTD termination assembly and configured analog-input application before disconnecting any interface.
03	Keep resistance-temperature detector inputs within the documented electrical or pneumatic range.
04	Record terminal designations, polarity, common, shield and cable routing before disconnection.
05	Inspect mounting, connector keying, terminal condition and retention hardware before installation.
06	Restore the controlled database, range, alarm, filter and fail-state settings before energization.
07	Review local indicators and controller diagnostics during the controlled startup sequence.
08	Prove the intended response across eight independent temperature channels and record the acceptance result before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which RTD materials are supported by Foxboro FBM203 P0914SV?	The documented module family supports platinum, nickel and copper resistance-temperature detectors.
How many temperature channels are provided?	Eight isolated RTD input channels are available.
Which lead configurations can be connected?	The module accepts two-wire or three-wire RTD circuits.
What resistance span is associated with P0914SV?	The documented input range is 0 to 320 ohms.

IMPORTANT NOTICE	Use FBM203 P0914SV only with the RTD termination assembly and configured analog-input application; verify every interface and the controlled project configuration before energizing or pressurizing the subsystem.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, source record and related models

ADDITIONAL TECHNICAL QUESTIONS

How should lead resistance be handled?	Use the approved wiring mode and termination arrangement, then verify the configured compensation and measured value.
Which fieldbus carries the converted measurements?	Values are communicated over the redundant 2 Mbps module Fieldbus.
What should be tested after changing an RTD channel?	Apply a known resistance or temperature reference and compare the channel value, diagnostics and alarm behavior.
Can an extended-range FBM203 variant be substituted directly?	No. Confirm the complete part number, RTD range, sensor wiring and database configuration.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Schneider Electric, Foxboro DCS FBM203/b/c/d RTD Input Modules, PSS 41H-2S203 Rev B.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 1900/65	Related product reference. Review the complete ordering string before selection.
Bently Nevada 3500/50M 286566-02	Related product reference. Compare the required interface and system position.
Bently Nevada 21508-02-12-10-02	Related product reference. Confirm the execution independently for the intended task.

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