Foxboro AD916AE FBM203

Complete Product Information

Foxboro AD916AE FBM203 forms the integrated field-wiring interface for the FBM203 resistance-temperature input subsystem used with platinum, nickel and copper RTD measurements.

WHAT THIS PRODUCT DOES

Foxboro AD916AE FBM203 serves as an integrated rtd termination in the Foxboro FBM module-fieldbus path. It interfaces platinum, nickel or copper RTD input with FBM203 RTD input path and the installed field-termination connection.

Product characteristic 1

Provides eight isolated temperature channels for the documented integrated rtd termination function.

Product characteristic 2

Handles platinum, nickel or copper RTD input through the specified Foxboro FBM module-fieldbus path.

Product characteristic 3

Works with FBM203 RTD input path and the installed field-termination connection.

Product characteristic 4

Each channel accepts the documented RTD wiring arrangement for the FBM203 execution.

PRODUCT-PAGE TECHNICAL SNAPSHOT

RTD channels	8 isolated RTD inputs
Wiring	2-wire or 3-wire RTD sensors
FBM203 range	0 to 320 ohms
Conversion	Resistance input converted for Foxboro DCS processing

IMPORTANT NOTICE

Use AD916AE FBM203 only with FBM203 RTD input path and the installed field-termination connection; verify the field interface and controlled configuration before energizing the subsystem.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

RTD channels	8 isolated RTD inputs
Wiring	2-wire or 3-wire RTD sensors
FBM203 range	0 to 320 ohms
Conversion	Resistance input converted for Foxboro DCS processing
Fieldbus	Redundant 2 Mbps module fieldbus

FEATURE INTERPRETATION

Product identity

Provides eight isolated temperature channels for the documented integrated rtd termination function.

System role

Handles platinum, nickel or copper RTD input through the specified Foxboro FBM module-fieldbus path.

Service context

Works with FBM203 RTD input path and the installed field-termination connection.

Return-to-service focus

Each channel accepts the documented RTD wiring arrangement for the FBM203 execution.

SIGNAL OR CONTROL PATH

RTD element → **Field terminals** → **RTD input module** → **Ovation controller**

The integrated rtd termination belongs in the controlled Foxboro FBM module-fieldbus path and works with FBM203 RTD input path and the installed field-termination connection. Its field connection, companion hardware and project configuration must be reviewed together before the channel is returned to service.

PRODUCT-PAGE TECHNICAL QUESTIONS

What function does Foxboro AD916AE FBM203 perform?	It forms the integrated field-wiring interface for the FBM203 resistance-temperature input subsystem used with platinum, nickel and copper RTD measurements.
How many channels are associated with Foxboro AD916AE FBM203?	The documented configuration provides eight isolated temperature channels.
Which signal path is used by Foxboro AD916AE FBM203?	It is used for platinum, nickel or copper RTD input within the specified subsystem.

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.

Installed-base maintenance

Restores the documented integrated rtd termination position without changing the approved system architecture.

Loop or channel service

Supports verification of platinum, nickel or copper RTD input at the assigned control-system channel.

Planned replacement

Provides an exact-identity replacement path when FBM203 RTD input path and the installed field-termination connection and the field interface have been confirmed.

Commissioning support

Allows the responsible engineer to prove wiring, configuration, status and response for eight isolated temperature channels.

APPLICATION VERIFICATION MAP

Installed-base maintenance	Confirm the documented system position and the required operating function.
Loop or channel 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 support	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 signal path is used by Foxboro AD916AE FBM203?	It is used for platinum, nickel or copper RTD input within the specified subsystem.
Which companion hardware must be checked for Foxboro AD916AE FBM203?	Confirm FBM203 RTD input path and the installed field-termination connection and the project-specific base or terminal arrangement.
What technical values should be verified before installing Foxboro AD916AE FBM203?	Verify 8 isolated RTD inputs; also confirm 2-wire or 3-wire rtd sensors and every applicable range or wiring selection.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Match the complete AD916AE FBM203 marking to the work order and installed position before removal.
02	Confirm FBM203 RTD input path and the installed field-termination connection before making or breaking any field connection.
03	Keep the assigned platinum, nickel or copper RTD input within the documented subsystem and range.
04	Record terminal designations, polarity, common and shield treatment before disconnecting conductors.
05	Inspect module seating, connector keying, terminal condition and strain relief before power is restored.
06	Restore the controlled channel configuration, range selection and alarm or timeout behavior after installation.
07	Check local indicators and controller diagnostics for internal, communication or channel faults during commissioning.
08	Prove the intended response across eight isolated temperature channels and record the acceptance result before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

What function does Foxboro AD916AE FBM203 perform?	It forms the integrated field-wiring interface for the FBM203 resistance-temperature input subsystem used with platinum, nickel and copper RTD measurements.
How many channels are associated with Foxboro AD916AE FBM203?	The documented configuration provides eight isolated temperature channels.
Which signal path is used by Foxboro AD916AE FBM203?	It is used for platinum, nickel or copper RTD input within the specified subsystem.
Which companion hardware must be checked for Foxboro AD916AE FBM203?	Confirm FBM203 RTD input path and the installed field-termination connection and the project-specific base or terminal arrangement.

IMPORTANT NOTICE	Use AD916AE FBM203 only with FBM203 RTD input path and the installed field-termination connection; verify the field interface and controlled configuration before energizing 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

What technical values should be verified before installing Foxboro AD916AE FBM203?	Verify 8 isolated RTD inputs; also confirm 2-wire or 3-wire rtd sensors and every applicable range or wiring selection.
What connection details should be recorded for Foxboro AD916AE FBM203?	Record terminal identifiers, polarity, common, shield termination, connector keying and the assigned channel before disconnection.
Which diagnostics should be reviewed when commissioning Foxboro AD916AE FBM203?	Review the applicable power, communication, internal-fault and channel-status indications, then compare the controller status with the expected field condition.
Can a nearby ordering code replace Foxboro AD916AE FBM203 without an engineering check?	No. Match the complete identifier, companion hardware, signal range, wiring and controlled project configuration before substitution.

MANUFACTURER EVIDENCE RECORD

Manufacturer source	Schneider Electric, Foxboro DCS FBM203/b/c/d Platinum/Nickel/Copper RTD Input Modules Product Specification, PSS 41H-2S203 Rev B, May 2025.
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

Westinghouse 1C31189G01	Related product reference. Review the complete ordering string before selection.
Westinghouse 5X00106G01	Related product reference. Compare the required interface and system position.
Westinghouse 5X00300G01	Related product reference. Confirm the execution independently for the intended task.

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