Foxboro P0916NG

Complete product information

Foxboro P0916NG is a 16-channel relay output termination assembly for the FBM242 discrete-output termination. It terminates sixteen externally powered discrete outputs through Form C relay contacts.

Complete reference	P0916NG
Product type	16-Channel Relay Output Termination Assembly
Platform	FBM242 discrete-output termination
Technical basis	Foxboro FBM242 termination assembly specification PSS 31H-2Z42

Product page
https://www.apterpower.com/Invensys/Foxboro/p0916ng

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01 Product identity and technical profile

Output channels	16
Contact form	SPDT Form C
DC resistive rating	5 A below 30 V DC
125 V DC resistive rating	600 mA
125 V DC inductive rating	240 mA
AC contact rating	Up to 250 V AC, 5 A
Termination style	Compression terminals
Required cable family	Type 4

Engineering purpose

Foxboro P0916NG must be selected as a complete installed reference. Its function depends on the documented platform connection, companion hardware and approved configuration rather than physical fit alone.

02 Product characteristics

Channel integrity	Preserves the documented signal or communication assignment.
Diagnostic context	Channel and communication status support controlled fault isolation.
Installed-system continuity	Restores the approved channel map without redefining the process design.

03 Engineering overview

The complete P0916NG marking establishes the offered identity. Record all labels, connector positions and installed associations before removal because adjacent FBM242 discrete-output termination references may differ in wiring, option content or revision compatibility.

Use the verified technical rows below to screen the offer, then compare the installed drawing and manufacturer instructions. Output channels: 16; Contact form: SPDT Form C; DC resistive rating: 5 A below 30 V DC. These values do not authorize transferring specifications from a neighboring model.

During replacement, preserve the approved configuration and connection map. Perform a controlled visual, electrical and functional check, record the as-left result, and release the equipment only after the responsible site authority accepts the restored 16-channel

relay output termination assembly.

Application map

Signal and communication acquisition	Use P0916NG only in the compatible FBM242 discrete-output termination arrangement identified by the approved system documentation.
Channel-map preservation	Preserve the installed identity, connector orientation and configuration while restoring the documented function.
Diagnostic maintenance	Use recorded as-found values and approved tests to distinguish connection, companion-hardware and product faults.
System commissioning	Keep the complete P0916NG reference and acceptance evidence with the asset record for future service.

04 Installation and product precautions

Confirm the complete marking	Do not shorten P0916NG or transfer data from an adjacent reference.
Record every connection	Photograph connector orientation and label each cable or terminal before removal.
Preserve the configuration	Retain the approved FBM242 discrete-output termination database, jumpers, switches or channel assignment as applicable.
Apply controlled isolation	Follow the site energy-isolation and ESD procedure before disturbing hardware.
Verify companion hardware	Check the documented base, cable, terminal, power and partner-module relationship.
Prove the restored function	Complete visual, electrical and functional checks before return to automatic service.

05 Lifecycle and available-unit details

P0916NG is a legacy or service-supported Foxboro I/A Series reference. Confirm exact part-number applicability and installed platform revision; availability does not change the documented compatibility boundary.

Retain the exact installed 16-channel relay output termination assembly, connection map and configuration record. Evaluate a substitute only against the approved FBM242 discrete-output termination documentation.

Offered identity	Complete P0916NG marking, revision or option code, connector condition and installed configuration
Included items	the identified 16-channel relay output termination assembly only; cables, terminals, bases and companion hardware only when itemized
Supply confirmation	Quantity and dispatch timing are confirmed in the quotation.

06 Technical notes

Evidence boundary	Technical rows apply to P0916NG or its explicitly identified manufacturer family context.
Compatibility	Physical fit does not establish electrical, firmware or system compatibility.
Commissioning	Use approved Foxboro instructions and site procedures for final installation and release.

07 Product-specific FAQ

Which channel assignment must be preserved when replacing P0916NG?	Record every terminal, channel, signal type and control-database point before removal, then verify the restored mapping point by point.
How is the termination hardware for P0916NG selected?	Use the exact module specification and installed terminal assembly or cable type; connector fit alone is not proof of compatibility.
What live-value checks are useful for P0916NG?	Compare raw input or output indication, engineering value, channel status and an independent field reference under a controlled condition.

How should isolation claims for P0916NG be applied?	Apply only the isolation arrangement documented for this exact module and channel group; do not extend backplane isolation to field channels.
Which configuration records should accompany P0916NG?	Retain module address, channel configuration, scaling, alarm limits, communication parameters and the approved database revision.
How can a wiring fault be distinguished from a P0916NG hardware fault?	Use channel status, terminal measurements, a known reference and controlled point substitution while preserving process protection.
What redundancy checks apply to P0916NG?	Where supported, verify module roles, partner identity, communication health and an approved transfer test before returning to service.
What commissioning record should be retained for P0916NG?	Keep channel-by-channel as-found/as-left results, communication status, configuration checksum or revision and acceptance signatures.

08 Recommended brand and model references

Foxboro FBM2/36 P0500RG	Termination Cable Assembly
Foxboro FBM3A/33A P0500RU	Wire Termination Cable Assembly
Foxboro FBM4/39/44 P0500RY	Wire Termination Cable Assembly
Foxboro FCP270 P0917YZ	Field Control Processor
Foxboro P0916VB	Type 1 H/XLPE Termination Cable
Foxboro P0916VC	Type 1 H/XLPE Termination Cable
Foxboro P0916WE	Type 4 H/XLPE Termination Cable
Foxboro P0916WF	Type 4 H/XLPE Termination Cable
Foxboro P0916VL	Type 2 H/XLPE Termination Cable
Foxboro P0916VM	Type 2 H/XLPE Termination Cable

Commissioning record

Installed asset	Machine, cabinet, channel or station reference
Companion identities	Base, terminal, cable, module or controller marking
Configuration baseline	Database revision, settings, jumpers or option record
Before-work evidence	Photographs, diagnostics and measured values
As-left result	Functional proof and accepted deviations
Release	Technician, reviewer and approval date

As-left verification worksheet

Exact delivered marking	P0916NG plus any visible revision or option label
Installed asset reference	Cabinet, rack, slot, station, loop or machine designation
Connector relationship	Connector identity, keying, cable destination and strain relief
Companion hardware	Base, terminal, cable, supply, partner module or controller identity
Configuration state	Approved database revision, switches, jumpers or programmed-device identity
Static checks	Continuity, supply, resistance or insulation test as applicable
Functional checks	Status, channel value, communication or controlled operating response
Deviation record	Documented difference, disposition and responsible approval