Foxboro P0916NG

Installation and verification guide

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

WhatsApp / technical contact
sales13@apterpower.com | +86 18030235313

01 Installed-hardware capture

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.

Buyer reference	Send the complete P0916NG marking, revision or option label, connector photographs and installed application details.
Offer comparison	Compare the offered P0916NG with the installed 16-channel relay output termination assembly, termination hardware and approved Foxboro documentation before ordering.

02 Configuration and connector controls

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.

03 Controlled functional verification

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.

01	Send the full P0916NG reference, label photographs and required quantity.
02	Apply site-approved isolation and ESD controls.
03	Record connectors, terminals and configuration before removal.
04	Compare the offered hardware with the complete installed reference.
05	Install without forcing connectors or changing approved routing.

06	Restore configuration and perform controlled checks.
07	Review revision, condition, included items and connection compatibility for P0916NG.
08	Confirm quantity, dispatch date and delivery details for P0916NG in the quotation.

04 Product-specific engineering questions

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.

05 Handover evidence

Identity	Complete marking, revision and photographs
Connection	Terminal or connector map and cable destinations
Configuration	Approved database, settings or option record
Functional proof	As-found and as-left readings or diagnostic results
Acceptance	Responsible technician and release approval

06 Related service 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