Foxboro P0973BP

Complete product information

Foxboro P0973BP is a 156 w redundant power supply for the I/A Series switch power subsystem. It adds a 156 W redundant supply path to a compatible switch chassis arrangement.

Complete reference	P0973BP
Product type	156 W Redundant Power Supply
Platform	I/A Series switch power subsystem
Technical basis	Foxboro managed-switch power specification PSS 31H-7C3 B4

Product page
https://www.apterpower.com/Invensys/Foxboro/p0973bp

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01 Product identity and technical profile

Rated output power	156 W
Operating arrangement	Parallel redundant supply
Supply allocation	One unit per supported switch
Eight-position chassis	P0973BM
Two-position chassis	P0973BN
Replacement check	Match chassis, input feed and fitted switch

Engineering purpose

Foxboro P0973BP 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

Controlled power path	Supports the documented supply and protection arrangement.
Protection visibility	Provides identifiable protective and status elements for controlled troubleshooting.
System continuity	Restores the approved power architecture without redefining the load boundary.

03 Engineering overview

The complete P0973BP marking establishes the offered identity. Record all labels, connector positions and installed associations before removal because adjacent I/A Series switch power subsystem 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. Rated output power: 156 W; Operating arrangement: Parallel redundant supply; Supply allocation: One unit per supported switch. 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 156 w redundant power supply.

Application map

Control-system power support	Use P0973BP only in the compatible I/A Series switch power subsystem arrangement identified by the approved system documentation.
Redundant or protected supply service	Preserve the installed identity, connector orientation and configuration while restoring the documented function.
Measured power verification	Use recorded as-found values and approved tests to distinguish connection, companion-hardware and product faults.
Commissioning support	Keep the complete P0973BP reference and acceptance evidence with the asset record for future service.

04 Installation and product precautions

Confirm the complete marking	Do not shorten P0973BP 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 I/A Series switch power subsystem 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

P0973BP 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 156 w redundant power supply, connection map and configuration record. Evaluate a substitute only against the approved I/A Series switch power subsystem documentation.

Offered identity	Complete P0973BP marking, revision or option code, connector condition and installed configuration
Included items	the identified 156 w redundant power supply 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 P0973BP 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 input and output values must be confirmed for P0973BP?	Verify the nameplate input selection, frequency and documented DC output before connection; do not infer ratings from a similar supply.
How should the protective devices on P0973BP be handled?	Use only the documented fuse or protective-device type and rating, and investigate the cause before replacement or reset.
Why is load margin important when commissioning P0973BP?	The complete connected load, startup demand and redundancy arrangement must stay within the documented supply capability.
How should grounding be checked for P0973BP?	Confirm protective earth, signal-reference arrangement and enclosure bonding against the approved system drawing before energization.
What should be recorded before removing P0973BP?	Record terminal assignments, input selector position, connector orientation, status indications and measured input/output values.

Can P0973BP be energized without its normal load?	Only when the manufacturer procedure and site method permit it; use a controlled test arrangement and observe output stability.
How should redundant operation involving P0973BP be proven?	Test each supply path and transfer behavior under the approved maintenance condition without defeating required protection.
What as-left evidence is required for P0973BP?	Retain input/output measurements, load current, protective-device status, alarm state and the responsible approval reference.

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 P0916NG	16-Channel Relay Output Termination Assembly
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

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	P0973BP 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