Bently Nevada 125720-02

Complete Product Information

Bently Nevada 125720-02 provides the controlled four-relay output hardware used by hazardous-area or functional-safety 3500/32M applications.

WHAT THIS PRODUCT DOES

Bently Nevada 125720-02 is the spare 4-channel relay output module for hazardous-area and functional-safety 3500/32M systems.

Product characteristic 1

Provides four SPDT relay output channels.

Product characteristic 2

Supports the hazardous-area and functional-safety hardware execution.

Product characteristic 3

Receives Alarm Drive Logic from the associated relay control module.

Product characteristic 4

Allows normally energized or normally de-energized channel operation as configured.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Associated module	3500/32M 4-channel relay module
Spare role	Relay output module
System class	Hazardous-area and functional-safety systems
Relay channels	Four

IMPORTANT NOTICE

Confirm the rack drawing calls for 125720-02 before replacing the relay output board. Record field-circuit response, fail-safe state and proof-test evidence before release.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Associated module	3500/32M 4-channel relay module
Spare role	Relay output module
System class	Hazardous-area and functional-safety systems
Relay channels	Four
Relay type	Single-pole, double-throw
Drive logic	Configured by the associated 3500/32M control module
Voltage rule	Use restricted ratings for hazardous-area or functional-safety systems

FEATURE INTERPRETATION

Product identity

Provides four SPDT relay output channels.

System role

Supports the hazardous-area and functional-safety hardware execution.

Service context

Receives Alarm Drive Logic from the associated relay control module.

Return-to-service focus

Allows normally energized or normally de-energized channel operation as configured.

SIGNAL OR CONTROL PATH

Input condition → **Module logic** → **Relay contact** → **Field circuit**

The output module switches field circuits according to the configured 3500 alarm logic. Contact ratings, hazardous-area voltage limits and functional-safety restrictions must be checked before wiring.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which 3500 module family accepts 125720-02?	It is the spare relay output module for the 3500/32M 4-channel relay module.
How many relay channels are provided by 125720-02?	It provides four output channels.
Which system classes specifically use 125720-02?	It is designated for hazardous-area and functional-safety systems.

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.

Alarm annunciation

Switches configured Alert, Danger or Not-OK logic to external circuits.

Protective trip interface

Provides controlled relay contacts for machinery protection logic.

Functional-safety output

Uses the restricted voltage execution required by the certified system.

Hazardous-area rack service

Replaces the output board without changing the validated relay logic.

APPLICATION VERIFICATION MAP

Alarm annunciation	Confirm the documented system position and the required operating function.
Protective trip interface	Compare the restored connection or control path with the approved record.
Functional-safety output	Check the physical interface and the retained configuration before startup.
Hazardous-area rack service	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 system classes specifically use 125720-02?	It is designated for hazardous-area and functional-safety systems.
Why are standard-system voltage ratings not automatically valid for 125720-02?	Hazardous-area and functional-safety certificates impose restricted voltage limits.
Where is relay voting logic created for 125720-02?	The associated 3500/32M control module executes the configured AND/OR Alarm Drive Logic.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the rack drawing calls for 125720-02 before replacing the relay output board.
02	Isolate every field voltage and verify zero energy at the relay terminals.
03	Keep hazardous-area and functional-safety voltage restrictions with the replacement module.
04	Label common, normally-open and normally-closed conductors before disconnection.
05	Inspect connector headers and the associated control module for damage.
06	Restore each channel's energized/de-energized selection and Alarm Drive Logic.
07	Perform a controlled relay pickup and dropout test on all four channels.
08	Record field-circuit response, fail-safe state and proof-test evidence before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which 3500 module family accepts 125720-02?	It is the spare relay output module for the 3500/32M 4-channel relay module.
How many relay channels are provided by 125720-02?	It provides four output channels.
Which system classes specifically use 125720-02?	It is designated for hazardous-area and functional-safety systems.
Why are standard-system voltage ratings not automatically valid for 125720-02?	Hazardous-area and functional-safety certificates impose restricted voltage limits.

IMPORTANT NOTICE	Confirm the rack drawing calls for 125720-02 before replacing the relay output board. Record field-circuit response, fail-safe state and proof-test evidence before release.

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, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

Where is relay voting logic created for 125720-02?	The associated 3500/32M control module executes the configured AND/OR Alarm Drive Logic.
Which contact states must be recorded before changing 125720-02?	Record common, normally-open and normally-closed wiring for every channel.
How should the fail-safe choice be confirmed on 125720-02?	Verify the normally energized or normally de-energized selection against the approved cause-and-effect record.
What final proof test is required for 125720-02?	Drive every channel through pickup and dropout and verify the connected alarm or trip circuit response.

CONFIGURATION CONTROL RECORD

Configuration identity	Bently Nevada 125720-02
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Bently Nevada 128718-01	Related product reference. Review the complete ordering string before selection.
Bently Nevada 130768-01	Related product reference. Compare the required interface and system position.
Bently Nevada 3500/05-01-01-01-00-01	Related product reference. Confirm the execution independently for the intended task.

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