

INDUSTRIAL AUTOMATION PRODUCT

3500/32M

Relay Module

Bently Nevada 3500/32M is a four-channel relay module providing four independently programmable double-pole double-throw outputs.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 System
Part number	3500/32M

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
relay channels	four
contact form	double-pole double-throw (DPDT)
programming method	Alarm Drive Logic in 3500 Rack Configuration Software
logic inputs	status and alarm states from monitored rack channels
relay independence	each channel is independently programmed
system purpose	alarm and shutdown integration
rack family	3500 machinery protection system
official publication	141533

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Provides four DPDT relay channels
Controlled acceptance duty	Machine trip output

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System Role and Architecture

Bently Nevada 3500/32M is a four-channel relay module providing four independently programmable double-pole double-throw outputs.

FUNCTION 1

Provides four DPDT relay channels

FUNCTION 2

Supports independent alarm-drive logic

FUNCTION 3

Integrates rack alarm states

FUNCTION 4

Supports controlled shutdown outputs

Matched system components

- Bently Nevada 3500 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Provides four DPDT relay channels
Controlled acceptance duty	Machine trip output

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Applications and Engineering Context

Machine trip output

Provides four DPDT relay channels

Alarm annunciation

Supports independent alarm-drive logic

Permissive logic

Integrates rack alarm states

Relay module replacement

Supports controlled shutdown outputs

TECHNICAL NOTE

Record Alarm Drive Logic, contact state, external voltage and every terminal before replacing 3500/32M.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/32M / 3500/32M recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Provides four DPDT relay channels
Application test	Machine trip output

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Engineering Precautions

1

Verify the complete 3500/32M marking and its assigned Bently Nevada 3500 System position before work.

2

Place the connected machine trip output process in the approved maintenance state.

3

Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.

4

Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.

5

Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

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MANUFACTURER SOURCE RECORD

3500/32M 4-Channel Relay Module Datasheet

141533 Rev. V

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