

INDUSTRIAL AUTOMATION PRODUCT

81546-01 ASSY79748-01

3300/16 Dual Hermetic Relay Module Assembly

Bently Nevada 81546-01 ASSY79748-01 is a dual-hermetic spare relay module assembly for the 3300/16 XY/Gap Dual Vibration Monitor. It provides the matched alert and danger relay interface for the documented monitor configuration.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 Monitoring System
Part number	81546-01 ASSY79748-01
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 81546-01 ASSY79748-01 only in the documented Bently Nevada 3300 Monitoring System position. Preserve the exact mating interfaces and option settings, then verify diagnostics and dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor under controlled conditions.

System Role and Architecture

Bently Nevada 81546-01 ASSY79748-01 is a dual-hermetic spare relay module assembly for the 3300/16 XY/Gap Dual Vibration Monitor. It provides the matched alert and danger relay interface for the documented monitor configuration.

FUNCTION 1
3300/16 Dual Hermetic Relay Module Assembly

FUNCTION 2
ASSY79748-01

FUNCTION 3
Dual hermetically sealed relays

FUNCTION 4
Dual-hermetic alert and danger relay interfacing for a matched 3300/16 xy/gap monitor

RELATED APTER POWER PAGES

1 Bently Nevada 330706-005-046-10-02-00

2 Bently Nevada 330704-0-50-10-02-05

3 Bently Nevada 330500-07-00

4 Bently Nevada 330705-02-18-10-02-00

5 Bently Nevada 330701-00-10-10-02-00

6 Bently Nevada 330980-70-05

7 Bently Nevada 330930-060-03-05

8 Bently Nevada 330180-X1-00-MOD-145004-09

9 Bently Nevada 330330-080-01-00

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 Monitoring System
02	Matched Bently Nevada host monitor, rack or rear module
03	Documented connectors, field wiring, alarm contacts and shielding
04	Approved option settings, configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 Monitoring System
Interface role	dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor
Field / power context	documented Bently Nevada machinery-monitoring rack position
Commissioning evidence	Identity, option settings, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the complete 81546-01 ASSY79748-01 marking and the documented 3300/16 Dual Hermetic Relay Module Assembly execution.

2 Place the machinery-protection system and connected process in the approved maintenance state.

3 Isolate rack power and field circuits, prove the safe state and apply ESD controls.

4 Record the rack position, mating hardware, connectors, alarm wiring and as-found configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Spare relay module	81546-01	Danger relay mode	Normally de-energized or normally energized
Assembly marking	ASSY79748-01	Relay voting	OR or AND; field-programmable
Relay construction	Dual hermetically sealed relays	Alert reset	Latching or nonlatching
Parent monitor	3300/16 XY/Gap Dual Vibration Monitor	Danger reset	Latching or nonlatching
ATEX spare option	81546-02	Alarm time delay	0.1, 1, 3, or 6 seconds
Alert relay mode	Normally de-energized or normally energized	Installation context	Matched rear relay-module position of the configured

RELATED PRODUCT PAGES

1Bently Nevada330706-005-046-10-02-00

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7Bently Nevada 330930-060-03-05

8Bently Nevada330180-X1-00-MOD-145004-09

9Bently Nevada 330330-080-01-00

ENGINEERING BOUNDARY

Confirm 81546-01 ASSY79748-01, its exact Bently Nevada 3300 Monitoring System host, installed position, mating hardware, wiring, alarm logic, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 81546-01 ASSY79748-01 marking and the documented 3300/16 Dual Hermetic Relay Module Assembly
- 2

Place the machinery-protection system and connected process in the approved maintenance state.
- 3

Isolate rack power and field circuits, prove the safe state and apply ESD controls.
- 4

Record the rack position, mating hardware, connectors, alarm wiring and as-found configuration.

Applications and Engineering Context

Matched 3300/3500 rack service

Restores dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor in the documented machinery-monitoring architecture.

Exact-execution replacement

Uses the complete 81546-01 ASSY79748-01 identity instead of a neighboring option or revision.

Machinery-protection refurbishment

Preserves the installed host position, connectors, alarm logic and approved configuration.

Controlled recommissioning

Confirms hardware identity, diagnostics and the affected protection function before return to operation.

TECHNICAL NOTE

Install 81546-01 ASSY79748-01 only in the documented Bently Nevada 3300 Monitoring System position. Preserve the exact mating interfaces and option settings, then verify diagnostics and dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	81546-01 ASSY79748-01 recorded
Host / carrier	Bently Nevada 3300 Monitoring System
Physical interface	Installed mating hardware and field interfaces match the as-found record
Configuration	Approved monitor and alarm configuration restored
Functional proof	Controlled test confirms dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor

IMPORTANT NOTICE

Confirm 81546-01 ASSY79748-01, its exact Bently Nevada 3300 Monitoring System host, installed position, mating hardware, wiring, alarm logic, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330706-005-046-10-02-00

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2

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Bently Nevada 330930-060-03-05

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Bently Nevada 330330-080-01-00

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MANUFACTURER SOURCE RECORD

3300/16 XY/GAP Dual Vibration Monitor, Specifications and Ordering Information 141498-01 Rev. J | Bently Nevada manufacturer document supplied by the user and verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.