

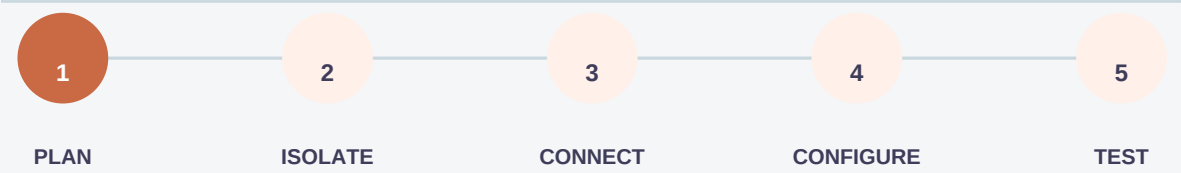
81546-01 ASSY79748-01

3300/16 Dual Hermetic Relay Module Assembly

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	81546-01 ASSY79748-01
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 Monitoring System
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 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.
- 5

Verify every option and limit against the exact manufacturer ordering or spare-parts record.

MATCHED HARDWARE

- 81546-01 ASSY79748-01 with complete article identity
- Matched Bently Nevada host module or rack position
- Documented connectors, wiring and alarm interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	81546-01 ASSY79748-01 recorded
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

02 WIRING & INTERFACE CHECKS

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

RELATED PRODUCT PAGES

1 Bently Nevada 330330-070-00-00

2 Bently Nevada 330854-080-05

3 Bently Nevada 330851-02-000-080-10-00-00

4 Bently Nevada 330851-01-000-020-10-00-00

5 Bently Nevada 330876-01-50-01-05

6 Bently Nevada 330106-05-30-10-02-IN

7 Bently Nevada 330106-05-30-10-02-00

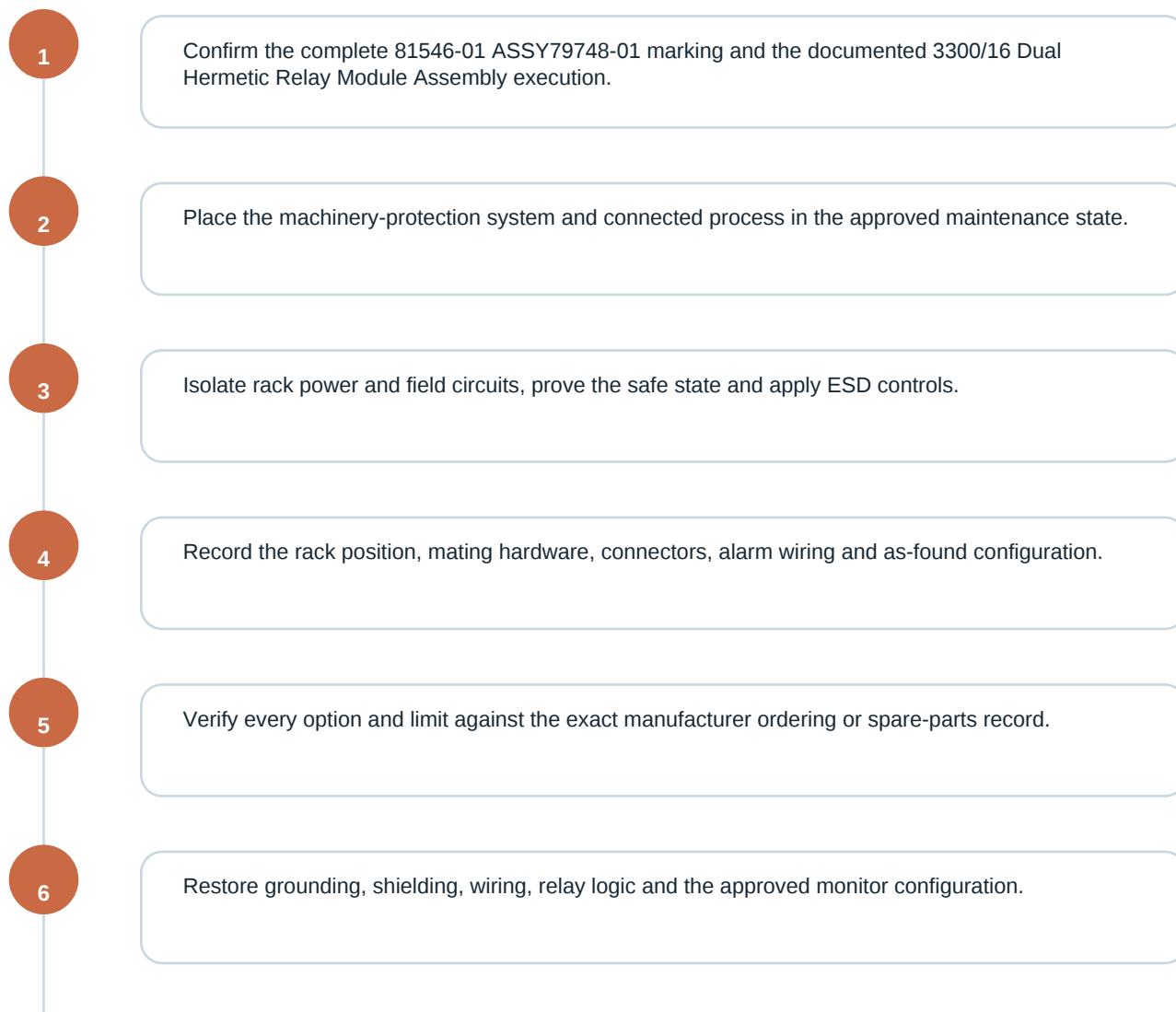
8 Bently Nevada 330104-01-05-50-02-00

9 Bently Nevada 330909-00-25-10-02-00

FIELD NOTE

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.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	81546-01 ASSY79748-01
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

04 RETURN-TO-SERVICE RECORD

- ☐ Verify every option and limit against the exact manufacturer ordering or spare-parts record.
- ☐ Restore grounding, shielding, wiring, relay logic and the approved monitor configuration.
- ☐ Energize under control and review rack, channel and alarm diagnostics.
- ☐ Complete a controlled functional test of dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	81546-01 ASSY79748-01
INSTALLED POSITION	Documented Bently Nevada rack or rear I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify every option and limit against the exact manufacturer ordering or spare-parts record.
- ☐ Restore grounding, shielding, wiring, relay logic and the approved monitor configuration.
- ☐ Energize under control and review rack, channel and alarm diagnostics.
- ☐ Complete a controlled functional test of dual-hermetic alert and danger relay interfacing for a matched 3300/16 XY/Gap monitor before service release.

SOURCE IDENTIFIERS

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