Bently Nevada 84147-01

Technical Reference

Bently Nevada 84147-01 is a hermetically sealed relay module for a compatible 3300/50 Tachometer configuration. It provides the relay hardware used by the selected tachometer alarm arrangement.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses hermetically sealed relay construction.

Feature 2

Serves a compatible 3300/50 Tachometer spare configuration.

Feature 3

Interfaces with the monitor's configured alarm logic.

Feature 4

Requires the exact relay option and connector arrangement used by the installed monitor.

VERIFIED DATA SNAPSHOT

Monitor family	3300/50 Tachometer
Component role	Relay module
Relay construction	Hermetically sealed
Control relationship	Operates from configured tachometer alarm logic

SYSTEM RELATIONSHIP

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

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Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Monitor family	3300/50 Tachometer
Component role	Relay module
Relay construction	Hermetically sealed
Control relationship	Operates from configured tachometer alarm logic
Replacement rule	Match the installed relay option and monitor execution
Acceptance	Verify contact state and configured alarm response

SELECTION ANCHORS

- Uses hermetically sealed relay construction.
- Serves a compatible 3300/50 Tachometer spare configuration.
- Interfaces with the monitor's configured alarm logic.
- Requires the exact relay option and connector arrangement used by the installed monitor.

IMPORTANT NOTICE	Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

MANUFACTURER SOURCE CONTROLS

Manufacturer source	3300/50 Tachometer Computer/Communications Interface Manual 83871-01
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

ADDITIONAL ENGINEERING CHECKS

How should Bently Nevada 84147-01 be tested?	Check continuity and verify normal, alarm and reset contact states.
What completes commissioning of Bently Nevada 84147-01?	Confirm the monitor event and the response of the connected shutdown or annunciation circuit.

System role and architecture

Input condition → Module logic → Relay contact → Field circuit

APPLICATION POINTS

Alarm relay output

Provide isolated relay contacts for a configured speed alarm.

Tachometer maintenance

Replace the relay module in the matching 3300/50 execution.

Shutdown interface

Transfer an approved alarm state to external logic.

Annunciation

Drive the receiving alarm circuit from the configured monitor event.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The relay module must remain within its intended measurement or monitoring chain. Match its interfaces, wiring and channel configuration before returning protection to service.

ENGINEERING REVIEW QUESTIONS

What type of component is Bently Nevada 84147-01?	It is a hermetically sealed relay module for a compatible 3300/50 Tachometer configuration.
Which monitor family uses Bently Nevada 84147-01?	It is associated with the 3300/50 Tachometer family.
What construction is used by the relays on Bently Nevada 84147-01?	The relay contacts are hermetically sealed.
What must match before installing Bently Nevada 84147-01?	Match the installed monitor execution, relay option and connector arrangement.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Confirm 84147-01 and the compatible 3300/50 execution before removal.
02	Record each relay contact and external wire before disconnection.
03	De-energize both monitor and external contact circuits.
04	Match the installed relay option and connector orientation.
05	Do not change alarm logic while replacing the relay hardware.
06	Verify insulation, continuity and terminal tightness before energizing.
07	Test normal, alarm and reset contact states.
08	Confirm the receiving shutdown or annunciation circuit before release.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE	Use the complete ordering string and verify every mating component before installation.

APPLICATION BOUNDARIES

Alarm relay output	Provide isolated relay contacts for a configured speed alarm.
Tachometer maintenance	Replace the relay module in the matching 3300/50 execution.
Shutdown interface	Transfer an approved alarm state to external logic.
Annunciation	Drive the receiving alarm circuit from the configured monitor event.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

What type of component is Bently Nevada 84147-01?	It is a hermetically sealed relay module for a compatible 3300/50 Tachometer configuration.
Which monitor family uses Bently Nevada 84147-01?	It is associated with the 3300/50 Tachometer family.
What construction is used by the relays on Bently Nevada 84147-01?	The relay contacts are hermetically sealed.
What must match before installing Bently Nevada 84147-01?	Match the installed monitor execution, relay option and connector arrangement.
Should alarm settings change when replacing Bently Nevada 84147-01?	No. Preserve the controlled alarm logic unless a separate approved change is issued.
Which circuits require isolation before handling Bently Nevada 84147-01?	Isolate the monitor and every external circuit connected to the relay contacts.

RELATED MODELS ON APTERPOWER

Bently Nevada 330104-00-24-10-02-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330104-00-24-50-02-00	Related product reference. Compare the required interface and system position.
Bently Nevada 330104-01-08-50-01-CN	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

Manufacturer source	3300/50 Tachometer Computer/Communications Interface Manual 83871-01
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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