

84152-01 ASSY83729-01

3300/16 Quad Relay Module Assembly

Bently Nevada 84152-01 ASSY83729-01 is a quad-relay spare module assembly for the 3300/16 XY/Gap Dual Vibration Monitor. It provides four epoxy-sealed relay outputs and requires external

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3300 Monitoring

PART

84152-01 ASSY83729-01

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 84152-01 ASSY83729-01 provides quad-relay alert and danger output interfacing for a matched 3300/16 XY/Gap monitor in a documented Bently Nevada 3300 Monitoring System installation.

 3300/16 Quad Relay Module Assembly

 ASSY83729-01

 Quad relays, epoxy-sealed

 Quad-relay alert and danger output interfacing for a matched 3300/16 xy/gap monitor

RELATED APTER POWER PAGES		
 Bently Nevada 330703-000-060-10-02-00	 Bently Nevada 330104-00-04-50-02-00	 Bently Nevada 330130-080-12-05
 Bently Nevada 330730-040-00-00	 Bently Nevada 330104-01-05-10-02-00	 Bently Nevada 330101-20-36-10-02-00
 Bently Nevada 330104-00-15-10-02-00	 Bently Nevada 330910-00-05-50-02-00	 Bently Nevada 330909-00-60-10-01-05

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximator Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented rack position, mating hardware, wiring and approved configuration. Commissioning preserves that architecture and verifies the protection function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Spare relay module	84152-01	AND voting implementation	External series wiring required
Assembly marking	ASSY83729-01	Alert relay mode	Normally de-energized or normally energized
Relay construction	Quad relays, epoxy-sealed	Danger relay mode	Normally de-energized or normally energized
Parent monitor	3300/16 XY/Gap Dual Vibration Monitor	Alert reset	Latching or nonlatching
ATEX spare option	84152-02	Danger reset	Latching or nonlatching
Internal barrier compatibility	Not available with internal safety barriers	Alarm time delay	0.1, 1, 3, or 6 seconds

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3 Bently Nevada 330130-080-12-05

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5 Bently Nevada 330104-01-05-10-02-00

6 Bently Nevada 330101-20-36-10-02-00

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8 Bently Nevada 330910-00-05-50-02-00

9 Bently Nevada 330909-00-60-10-01-05

TECHNICAL NOTE

Install 84152-01 ASSY83729-01 only in the documented Bently Nevada 3300 Monitoring System position. Preserve the exact mating interfaces and option settings, then verify diagnostics and quad-relay alert and danger output interfacing for a matched 3300/16 XY/Gap monitor under controlled conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Matched 3300/3500 rack service

Restores quad-relay alert and danger output interfacing for a matched 3300/16 XY/Gap monitor in

Exact-execution replacement

Uses the complete 84152-01 ASSY83729-01 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.

PRODUCT PRECAUTIONS

- 1
- Confirm the complete 84152-01 ASSY83729-01 marking and the documented 3300/16 Quad Relay
- 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.
- 6
- Restore grounding, shielding, wiring, relay logic and the approved monitor configuration.
- 7
- Energize under control and review rack, channel and alarm diagnostics.
- 8
- Complete a controlled functional test of quad-relay alert and danger output interfacing for a matched 3300/16

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ENGINEER FAQ

Q1 84152-01 ASSY83729-01: What relay execution is identified by spare 84152-01?

The manufacturer ordering table identifies 84152-01 as the quad-relay spare assembly for the 3300/16 monitor.

Q2 84152-01 ASSY83729-01: Why is the parent 3300/16 configuration important for ASSY83729-01?

The assembly is a rear relay module, not a standalone monitor; it must match the 3300/16 relay option, rack position and field-wiring diagram.

Q3 84152-01 ASSY83729-01: Which part number is specified for an ATEX-approved quad-relay spare?

The parenthesized ATEX option is 02, so the corresponding spare is 84152-02.

Q4 84152-01 ASSY83729-01: Can the quad-relay assembly be used with internal safety barriers?

No. The ordering notes state that quad relays are not available with the internal safety-barrier option.

Q5 84152-01 ASSY83729-01: How must AND voting be wired with the quad-relay execution?

AND voting logic must be implemented externally by wiring the applicable relay contacts in series.

Q6 84152-01 ASSY83729-01: Which relay-mode settings must be restored after replacement?

Record and restore the normally energized or normally de-energized selections for both Alert and Danger relays.

Q7 84152-01 ASSY83729-01: Which reset and delay settings can change the alarm response?

Alert and Danger resets can be latching or nonlatching, and the alarm delay can be 0.1, 1, 3, or 6 seconds.

Q8 84152-01 ASSY83729-01: How should the quad outputs be accepted after installation?

Use a controlled test to verify every assigned relay contact, external voting circuit, reset behavior and alarm delay while preserving the documented machinery-protection logic.

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SOURCE 3300/16 XY/GAP Dual Vibration Monitor, Specifications and Ordering Information 141498-01
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