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Data Sheet

August 1, 2026

GE / BENTLY NEVADA

GE / Bently Nevada 107320-01 Spare Relay Assembly Module - Conformal Coated

The GE / Bently Nevada 107320-01 is a spare relay assembly module with conformal coating, designed for use in Bently Nevada monitoring systems. This module provides reliable relay output functionality and is protected against harsh environmental conditions thanks to its conformal coating.

**MODEL****GE / Bently Nevada
107320-01****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****107320-01****LISTING**<https://aumictechlabs.com/products/107320-01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The GE / Bently Nevada 107320-01 is a spare relay assembly module engineered for deployment within Bently Nevada machinery monitoring systems. This component delivers reliable relay output functionality while featuring conformal coating for enhanced environmental protection. The coating guards against moisture, dust, corrosive elements, and temperature extremes - critical safeguards in demanding industrial monitoring applications where standard components face accelerated degradation. Technical Specifications The 107320-01 is a relay assembly module manufactured by GE / Bently Nevada, designed as a spare component for system maintenance and replacement cycles. Conformal coating is applied to the module's PCB assembly to provide environmental immunity across harsh operating conditions. Key Features Conformal-coated PCB

assembly for corrosion and moisture resistance Provides relay output functionality for machinery monitoring systems Protection against environmental degradation including mold growth and electrical failure Coating applied at thicknesses of 25–75 μm , conforming to board contours for complete coverage Formulated to meet international military and industry specifications Extended operational longevity in corrosive, dusty, and high-humidity environments Typical Applications The module is a replacement component in operating Bently Nevada condition monitoring installations. It is deployed in industrial environments where equipment protection from chemical exposure, moisture ingress, and thermal cycling is essential to system reliability. Compatibility & Integration Designed for integration into Bently Nevada monitoring systems. Potential compatibility exists with Bently Nevada 3300, 3500, and 2300 series platforms, though specific system integration requirements should be verified against individual system documentation. Relay output connectivity is provided; specific connector types and pinout details require reference to the target system architecture.

Features & description

From manufacturer datasheet

Features

- 8350B mainframe: softkey UI, HP-IB, sweep control, power display
- 83592A plug-in: 0.01 to 20 GHz in four bands plus full band
- Leveled output approximately -5 to +10 dBm (83592A)
- Internal square-wave modulation 1 kHz or 27.8 kHz for scalar analyzers
- External AM, FM, and pulse modulation capability
- Power sweep and power slope; crystal or power-meter external leveling
- Type-N female RF output on 83592A
- Optional step attenuator (Option 002/004 family) for lower leveled power

107320 Characteristics / Specifications

PARAMETER	VALUE
Technical Specifications	83592A RF Plug-in
Model	83592A
Instrument Type	Sweep oscillator mainframe
Operating Temperature	0 to 55 C
Power	100/120/220/240 V +/-10%, 50 to 60 Hz; about 375 VA including RF plug-in
Size	425 mmWx 133.3 mmHx 422 mmDNet Weight (without RF unit): about 16.5 kg (36.4 lb)
Display Resolution (power)	0.1 dB
Minimum Sweep Time	single band 10 ms; full band with 83592A about 25 ms
Frequency Range	0.01 to 20 GHz
Bands	0.01-2.4 GHz; 2.4-7 GHz; 7-13.5 GHz; 13.5-20 GHz; full band 0.01-20 GHz CW Frequency Accuracy (83592A) 0.01 to 7 GHz: +/-5 MHz 7 to 13.5 GHz: +/-10 MHz 13.5 to 20 GHz: +/-15 MHz Swept Frequency Accuracy (examples)
Full band	about +/-50 MHz class; tighter band-limited values per military/TB and datasheet tables Leveled Output Power (83592A)
Range	-5 to +10 dBm
Level accuracy (examples)	about +/-1.5 dB (0.01-2.4 GHz), +/-1.3 dB (2.4-13.5 GHz), +/-1.4 dB (13.5-18.6 GHz class) Internal leveling flatness on the order of +/-0.7 to +/-0.9 dB by band
Minimum settable power	about -5 dBm (lower with step-attenuator option)
RF Connector	Type-N female
Source Output VSWR	less than 1.9 typical (50 ohm)
Internal square wave	1 kHz or 27.8 kHz; on/off greater than 30 dB; symmetry about 40/60

PARAMETER	VALUE
External AM	about 100 kHz response, 15 dB control range, 1 dB/V sensitivity (typical) External pulse and FM per 8350B family datasheets Operational Notes Calibration status of the combined 8350B + 83592A should be verified as a system. Confirm Option 002 attenuator presence if low-level operation is required. Use 27.8 kHz square wave when driving HP scalar network analyzers that expect that rate. Allow adequate warm-up before accuracy-critical CW work.
8350B mainframe	softkey UI, HP-IB, sweep control, power display
83592A plug-in	0.01 to 20 GHz in four bands plus full band

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
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PARAMETER

VALUE

External AM

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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

PARAMETER	VALUE
Specifications	8350B Mainframe
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Operating Temperature	0 to 55 C
Power	100/120/220/240 V +/-10%, 50 to 60 Hz; about 375 VA including RF plug-in
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Model	83592A
Frequency Range	0.01 to 20 GHz
Bands	0.01-2.4 GHz; 2.4-7 GHz; 7-13.5 GHz; 13.5-20 GHz; full band 0.01-20 GHz

CW Frequency Accuracy (83592A)
0.01 to 7 GHz: +/-5 MHz
7 to 13.5 GHz: +/-10 MHz
13.5 to 20 GHz: +/-15 MHz

Swept Frequency Accuracy (examples)
Full band: about +/-50 MHz class; tighter band-limited values per military/TB and datasheet tables

Leveled Output Power (83592A)
Range: -5 to +10 dBm
Level accuracy (examples): about +/-1.5 dB (0.01-2.4 GHz), +/-1.3 dB (2.4-13.5 GHz), +/-1.4 dB (13.5-18.6 GHz class)
Internal leveling flatness on the order of +/-0.7 to +/-0.9 dB by band

Specifications

PARAMETER	VALUE
Technical Specifications	8350B Mainframe

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Model	8350B
Instrument Type	Sweep oscillator mainframe
Operating Temperature	0 to 55 C
Power	100/120/220/240 V +/-10%, 50 to 60 Hz; about 375 VA including RF plug-in
Size	425 mm W x 133.3 mm H x 422 mm D
Net Weight (without RF unit)	about 16.5 kg (36.4 lb)
Display Resolution (power)	0.1 dB
Minimum Sweep Time	single band 10 ms; full band with 83592A about 25 ms

Specifications

PARAMETER	VALUE
Minimum settable power	about -5 dBm (lower with step-attenuator option)
RF Connector	Type-N female
Source Output VSWR	less than 1.9 typical (50 ohm)

Weight (plug-in): about 6.0 kg class

Modulation (Mainframe / Plug-in Family)

Internal square wave: 1 kHz or 27.8 kHz; on/off greater than 30 dB; symmetry about 40/60

External AM: about 100 kHz response, 15 dB control range, 1 dB/V sensitivity (typical)

External pulse and FM per 8350B family datasheets

Operational Notes

Calibration status of the combined 8350B + 83592A should be verified as a system. Confirm Option 002 attenuator presence if low-level operation is required. Use 27.8 kHz square wave when driving HP scalar network analyzers that expect that rate. Allow adequate warm-up before accuracy-critical CW work.

Ordering Information

OPTION	DESCRIPTION
Option 002	attenuator presence if low-level operation is required. Use 27.8 kHz square wave when driving HP scalar network analyzers that expect that rate. Allow adequate

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.