21000-27-05-00-40-03-02

Bently Nevada | Proximity Probe Housing Assembly

Bently Nevada 21000-27-05-00-40-03-02 is an externally mounted proximity probe housing assembly configured for a 3300 XL NSv probe. Its 3/4-14 NPT mount and specified fittings support installation at the machine case; confirm the supplied penetration marking before fitting.

Product details

Manufacturer part number
21000-27-05-00-40-03-02

Shipping
Swift global dispatch

Condition
New, original product

Shipping size (est.)
34.5cm × 8cm × 8cm

Country of Origin
USA

Weight
1.05 kg

Overview

21000-27-05-00-40-03-02 is a 21000 externally mounted housing assembly configured with a 3300 XL NSv probe with selectable hazardous-area approval option, 0.5 m (20 in) cable and 3/4-14 NPT mounting thread.

The 21000 housing provides an externally accessible probe mounting arrangement. The ordered probe option 27 and cable option 05 identify the intended sensor segment; verify the actual assembly marking and selected companion Proximitor Sensor.

Standoff option 00 specifies no standoff adapter. Penetration option 40 identifies 4.0 in (option 40 as supplied; confirm 040 against the three-digit source format). Check shaft target, bracket geometry, sleeve support and adjustment travel against the site drawing before installation.

Fitting option 03 specifies one 3/4-14 npt plug, one 3/4-14 to 1/2-14 npt reducer, and one cable seal grip with grommets; mounting option 02 is 3/4-14 NPT. Confirm the offered hardware and site enclosure/approval requirements rather than relying on a family name.

Alternative Names

Bently Nevada 21000 27 05 00 40 03 02 | 21000 housing, ordered groups 27 / 05 / 00 / 40 / 03 / 02

Technical specifications

Bently Nevada | 21000-27-05-00-40-03-02

Housing series
21000 external-mount assembly

Probe option
27 - 3300 XL NSv

Probe lead
05 - 0.5 m (20 in)

Standoff adapter
00 - none

Penetration marking
40 supplied; confirm 040 before using 4.0 in

Fittings option
03 - NPT plug, reducer and cable seal grip

Mounting thread
02 - 3/4-14 NPT

Housing construction
Aluminum body; 304 stainless steel sleeve

Technical notes

Order-code map: 21000-AA-BB-CC-DDD-EE-FF: probe, cable, standoff, penetration, fittings and mounting thread.

Exact configuration: The supplied D field uses 40. The original source presents DDD as a three-digit field; check the physical label before accepting 040 as equivalent.

Technical source: Bently Nevada 21000, 24701, and 164818 Proximity Probe Housing Assemblies Datasheet, 141600 Rev. AC. The original ordering table identifies this family and option group meanings.

Applications and precautions

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System and supply context: 21000-27-05-00-40-03-02 defines a complete housing option string. Confirm the physical probe, cable, fittings and sleeve before quoting a replacement.

Installation context: Use the externally mounted housing only with an approved shaft target, machine-case mounting and matched Bently Nevada probe measurement chain.

Applications / Compatibility

Shaft vibration probe mounting

Mount the specified probe at the approved shaft target and match the monitor input to the installed measurement chain.

Axial position interface

Check penetration and shaft travel against the mechanical drawing before setting the reference gap.

Accessible maintenance

Use the external housing to inspect or replace a probe while following site isolation and sealing procedures.

Configured replacement

Compare all six code groups, site fittings and supplied components with the removed assembly.

Product Precautions

01 Check every code group

The base housing number alone does not fix probe family, cable length, penetration or fittings.

02 Confirm penetration

The supplied D field uses 40. The original source presents DDD as a three-digit field; check the physical label before accepting 040 as equivalent.

03 Check cable and sensor

Record the 0.5 m (20 in) probe cable and verify the companion Proximitor Sensor configuration.

04 Inspect fitting package

Option 03 specifies one 3/4-14 npt plug, one 3/4-14 to 1/2-14 npt reducer, and one cable seal grip with grommets; compare actual supplied hardware.

05 Verify mounting interface

Mounting option 02 is 3/4-14 NPT; check machine-case threads and sealing.

06 Record baseline

After controlled installation, document target gap, cable route and monitor response.

Lifecycle and ordering

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Lifecycle Status

21000-27-05-00-40-03-02 status

A current lifecycle phase for this exact complete housing assembly has not been confirmed.

Support and replacement

Compare the probe, cable, adapter, penetration, fittings and mounting thread with the installed assembly.

Apter Power availability

The offered unit quantity and dispatch date are confirmed separately in the quotation.

Available Unit Details

Offered reference

Bently Nevada 21000-27-05-00-40-03-02. Condition: New, original product.

Identity check

Check all six groups. D40 is supplied; source uses DDD. Verify 4.0 in against the physical label.

Included items

The housing code specifies a probe and fitting configuration; verify actual contents, cable, sensor and mounting hardware against the offer photographs. A Proximitor Sensor is separate unless itemized.

What happens after you enquire

1 Review your reference

Send 21000-27-05-00-40-03-02, installed assembly photos, target dimensions, quantity and site requirements.

2 Confirm the offer

Review the supplied probe, fittings, condition, quantity and dispatch date in the quotation.

3 Arrange dispatch

Confirm accepted quantity and delivery destination so dispatch can be arranged.

Ordering checks

Match the complete marking

Include 21000-27-05-00-40-03-02 and any revision or assembly number visible on the housing. Keep the exact reference on your enquiry and quotation.

Check the offered item before ordering

Request available housing-label, probe-connection and fitting photos. Have your maintenance team compare the offered 21000-27-05-00-40-03-02 with the installed equipment and applicable Bently Nevada documentation.

Technical FAQ and Downloads

Bently Nevada | 21000-27-05-00-40-03-02

What is Bently Nevada 21000-27-05-00-40-03-02?

A configured 21000 externally mounted proximity probe housing assembly.

Which probe option is coded in 21000-27-05-00-40-03-02?

Option 27 selects 3300 xl nsv probe with selectable hazardous-area approval option.

What cable length is coded in 21000-27-05-00-40-03-02?

Option 05 selects 0.5 m (20 in).

What standoff and penetration apply to 21000-27-05-00-40-03-02?

Standoff 00 means no standoff adapter; penetration 40 indicates 4.0 in (option 40 as supplied; confirm 040 against the three-digit source format).

Downloads on the product page

21000-27-05-00-40-03-02 Technical Reference

Bently Nevada 21000, 24701, and 164818 Proximity Probe Housing Assemblies Datasheet, 141600 Rev. AC; original datasheet, 20 pages.

21000-27-05-00-40-03-02 Installation & Commissioning Guide

Apter Power field guide covering all six order groups, mechanical fit, cable/fittings and controlled handover; 3 pages.

Use the published page controls for the technical reference and field guide. The View PDF control opens this product-page document.

Other Apter Power listings

- **Bently Nevada 330909-00-30-10-02-00**
- **Bently Nevada 330101-04-36-05-02-05**
- **Bently Nevada 330101-04-36-10-02-05**
- **Bently Nevada 330102-00-32-10-02-00**

Technical FAQ continued

Bently Nevada | 21000-27-05-00-40-03-02

Which fittings are ordered for 21000-27-05-00-40-03-02?

Option 03 specifies one 3/4-14 npt plug, one 3/4-14 to 1/2-14 npt reducer, and one cable seal grip with grommets.

What mounting thread applies to 21000-27-05-00-40-03-02?

Option 02 selects 3/4-14 NPT; compare the machine-case interface.

Does 21000-27-05-00-40-03-02 prove the complete sensor chain is matched?

No. Verify the actual probe/cable assembly and match the companion Proximitor Sensor and monitor.

What should be recorded after installing 21000-27-05-00-40-03-02?

Record all six code groups, supplied hardware, gap setting, cable route, site approvals and controlled channel response.

Other Apter Power listings

Bently Nevada 330104-00-05-10-11-05
Bently Nevada 330101-00-27-90-02-00
Bently Nevada 31000-16-10-15-100-02-02
Bently Nevada 21000-28-05-00-070-01-02

Ask about the complete marking

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