Bently Nevada 21000-33-10-00-070-04-02

COMPLETE PUBLISHED PRODUCT INFORMATION

Bently Nevada 21000-33-10-00-070-04-02 is a 21000 aluminum proximity probe housing assembly configured for a protected 3300 XL 8 mm probe and external machine mounting.

Product details

Manufacturer part number	21000-33-10-00-070-04-02
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	34.5cm × 8cm × 8cm
Country of Origin	USA
Weight	1.05 kg

Overview

The 21000 assembly places a proximity probe through the machine case while housing its external cable junction.

The 21000 base design uses an aluminum dome cover, threaded conduit ports and probe sleeve to externally mount a proximity probe. Group 33 selects the 3300 XL 8 mm probe with connector protector; group 10 selects a 1.0 m probe cable. Confirm the offered assembly contents against the order record.

Group 00 omits a standoff adapter, while 070 specifies 7.0 in nominal probe penetration. The source calls for sleeve support when C plus D exceeds 12 in; for this configuration compare actual installed support, side-view clearance and the shaft target before setting the gap.

Group 04 supplies a single 3/4-14 NPT plug and group 02 selects 3/4-14 NPT mounting thread. Do not infer a hazardous-area enclosure rating from a fitting name: the datasheet distinguishes the CA variants and actual approval configuration.

Alternative Names

Bently Nevada 21000 33 10 00 070 04 02 | 21000 order configuration 33 / 10 / 00 / 070 / 04 / 02

Technical specifications

Housing family	21000 aluminum assembly
Probe option	33: 3300 XL 8 mm with connector protector
Probe cable	10: 1.0 m
Standoff adapter	00: none
Probe penetration	070: 7.0 in
Fitting option	04: one 3/4-14 NPT plug
Mounting thread	02: 3/4-14 NPT
Enclosure elements	Dome cover, threaded conduit ports, probe sleeve and seals
Probe chain	Match supplied probe to appropriate extension cable and 8 mm sensor

Technical notes

Code map	AA selects probe option, BB cable, CC standoff, DDD penetration, EE fittings and FF mounting thread.
Mechanical boundary	The 7.0 in penetration must be checked against the machine case and target; the housing alone does not define final gap.
Technical reference	Bently Nevada 21000, 24701, and 164818 Proximity Probe Housing Assemblies Datasheet, 141600 Rev. AC.

Technical source: Bently Nevada 21000, 24701, and 164818 Proximity Probe Housing Assemblies Datasheet, 141600 Rev. AC

Buyer information: Applications / Compatibility

Mechanical role: 21000-33-10-00-070-04-02 carries the protected 8 mm probe through an external housing and sleeve. Electrical role: The selected probe still requires a compatible extension cable and 8 mm Proximitor Sensor for a calibrated chain.

External shaft measurement	Verify mounting thread, penetration and shaft target clearance before installation.
Housing service	Inspect dome cover, seals and conduit ports before closing the assembly.

Probe-chain renewal	Confirm the 1.0 m probe lead and separately selected extension cable/sensor.
Fitting review	Verify the single plug and the site conduit/sealing design against the approved drawing.

Product Precautions

Match six groups	Compare every group of 21000-33-10-00-070-04-02 with the installed housing and source drawing.
Support the sleeve	Inspect the actual insertion and sleeve support to avoid probe movement or resonance.
Protect the target	Confirm case thread, target clearance and gap adjustment without tip contact.
Seal the housing	Inspect cover, O-rings, conduit port and specified plug against site requirements.
Avoid rating inference	Use actual CA/agency markings and the site drawing to assess hazardous-area suitability.
Check the chain	Record probe, extension cable, sensor and monitor channel before energization.

Ordering checks

Match the complete marking	Compare every order group of 21000-33-10-00-070-04-02 with the installed item and the applicable Bently Nevada system documentation.
Check the offered item before ordering	Request photos of the offered 21000-33-10-00-070-04-02 and included items. Have the maintenance team compare them with the installed equipment and applicable Bently Nevada documentation.

Lifecycle Status

21000-33-10-00-070-04-02 status	A current lifecycle phase for this exact complete configuration has not been confirmed.
Support and replacement	Compare the complete marking and documented measurement-chain or installation interfaces before selecting a replacement.
Apter Power availability	The offered quantity and dispatch date are confirmed separately in the quotation.

Available Unit Details

Offered reference	Bently Nevada 21000-33-10-00-070-04-02. Condition: New, original product.
Identity check	Check the six ordering groups of 21000-33-10-00-070-04-02: 33 / 10 / 00 / 070 / 04 / 02, including the 7.0 in penetration and single-plug fitting.
Included items	The offered item is the configured housing assembly. Request photos and an itemized offer to confirm the probe, sleeve, cover, seals and separately supplied extension cable or sensor.

Engineering FAQ: integration

How should the installed probe assembly be compared with 21000-33-10-00-070-04-02?	Compare all six groups, photos of the offered housing and probe, and the original drawing; nominal housing family alone is insufficient.
What can make 21000-33-10-00-070-04-02 unsuitable even when its mounting thread fits?	Penetration, sleeve support, probe target and conduit route may differ. Check these mechanical interfaces before installation.
How is the probe chain completed for 21000-33-10-00-070-04-02?	Identify the included 8 mm probe and 1.0 m lead, then select a matching extension cable and 8 mm Proximitor Sensor for the intended system length.
Why should sleeve support be reviewed for 21000-33-10-00-070-04-02?	Long insertion can allow movement or resonance. Compare the actual C plus D dimension and installed support against the manufacturer guidance.

What happens after you enquire

Review your reference	Send the complete 21000-33-10-00-070-04-02 marking and installed-system identifiers for technical review.
Confirm the offer	Review the exact offered unit, included items, condition and quantity in the quotation.
Arrange dispatch	Confirm the accepted quantity and destination so dispatch can be arranged.

Engineering FAQ: service and acceptance

Does the fitting group of 21000-33-10-00-070-04-02 establish an explosion-proof rating?	No. Assess the actual housing version, approval marking, fitted components and site drawing together; the source treats CA housing approvals separately.
What seals and closures should be inspected on 21000-33-10-00-070-04-02?	Inspect the dome cover, O-rings, thread seal, plug and conduit interfaces before closing the assembly.

How should the probe gap be accepted after fitting 21000-33-10-00-070-04-02?	Set the gap using the approved machine procedure and matched transducer chain, then record static output and controlled response.
What should be recorded when 21000-33-10-00-070-04-02 is handed over?	Keep photos of the full marking, housing/fitting contents, mounted penetration, probe chain and monitored acceptance result.

Downloads

Technical reference: Apter Power exact-model dossier. Engineering guide: installation and commissioning procedure.

Related product references

Catalogue navigation only; compare the complete installed configuration before selection.

Bently Nevada 330101-04-36-05-02-05

Bently Nevada 330102-00-32-10-02-00

Bently Nevada 330909-00-30-10-02-00

Discuss the complete marking with Apter Power
sales13@apterpower.com | +86 18030235313