Bently Nevada 330101-00-40-05-02-05

COMPLETE PRODUCT INFORMATION / EXACT-MODEL ENGINEERING FILE

Bently Nevada 330101-00-40-05-02-05 is a 3300 xl 8 mm proximity probe for the Bently Nevada 3300 XL 8 mm proximity transducer system. The complete marking and installed hardware arrangement must be matched before replacement.

01 Product overview

Mechanical execution	Electrical execution	Approval execution
3/8-24 UNF probe, no armor, 0.0 in unthreaded length and 4.0 in case length.	0.5 m total length with miniature ClickLoc connector and standard cable.	Option 05 identifies CSA, ATEX and IECEx approvals.

330101-00-40-05-02-05 is a 3300 XL 8 mm proximity probe with 3/8-24 UNF threads and no armor. Its 00/40 mechanical selection specifies 0.0 in unthreaded length and a 4.0 in overall case length.

The 05/02 electrical selection specifies 0.5 m total electrical length and a miniature coaxial ClickLoc connector on standard cable without a connector protector. The final 05 option identifies CSA, ATEX and IECEx approvals.

Verified technical data

Complete order code	330101-00-40-05-02-05
Probe family	3300 XL 8 mm proximity probe
Thread	3/8-24 UNF
Armor	Without armor
Unthreaded length option 00	0.0 in
Overall case length option 40	4.0 in
Total electrical length option 05	0.5 m

Related product references

- General Electric IC695PNC001
- General Electric IS220PPROH1A
- General Electric DS200TBCAG1AAB
- General Electric 531X123PCHACG1
- General Electric 531X303MCPBCG1
- Bently Nevada 3300/47
- Bently Nevada 330101-00-28-10-02-CN
- Hirschmann M4-FAST-8-SFP

Engineering record prompts

Nameplate record	Capture the complete marking, visible revision and installed position before removal.

02 Technical data and installed-system relationship

Connector / cable option 02	Miniature coaxial ClickLoc connector; standard cable; without connector protector
Approval option 05	CSA, ATEX and IECEx approvals
Probe tip diameter	8.0 mm
Probe cable	75 Ω triaxial FEP-insulated cable
Probe case material	AISI 303 or 304 stainless steel
Probe tip material	Polyphenylene sulfide (PPS)
Standard probe operating / storage range	-52 to +177 °C

Engineering interpretation

Complete identity	Use 330101-00-40-05-02-05 as one complete reference in the quotation, service record and acceptance file.
Installed position	Record the exact host position and functional ownership within the Bently Nevada 3300 XL 8 mm proximity transducer system.
Physical execution	Compare artwork, connectors, keying, terminal hardware and orientation with the removed assembly.
Configuration boundary	Preserve the applicable project, address, firmware or hardware-setting record before removal.
Acceptance evidence	Retain initial and as-left diagnostics plus the controlled functional-test result.
Unstated values	Do not assign electrical or compatibility values that are not established by the exact-model evidence.

Controller platform reference

Bently Nevada 3300 XL 8 mm proximity transducer system. Use the exact installed hardware execution and the approved system record.

Related product references

- General Electric DS200TBCAG1AAB
- General Electric 531X123PCHACG1
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03 Applications / Compatibility

System position: 330101-00-40-05-02-05 is evaluated within the documented Bently Nevada 3300 XL 8 mm proximity transducer system architecture. Compatibility boundary: Match the complete 330101-00-40-05-02-05 marking, mating hardware and installed configuration before replacement.

Radial vibration measurement
Use within a matched 3300 XL 8 mm transducer chain for fluid-film bearing machinery.

Axial position measurement
Apply the documented probe gap and target geometry for position monitoring.

Keyphasor and speed reference
Use only where the installed monitor and mechanical target arrangement are approved for the function.

Matched-system maintenance
Preserve total electrical length, connector execution and hazardous-area documentation during replacement.

Product Precautions

Match every option group
Compare the full 330101-00-40-05-02-05 code with the installed probe and maintenance record.

Protect the probe cable
Do not kink, crush or contaminate the 75 Ω triaxial cable and ClickLoc connector.

Preserve electrical length
Match the probe and extension cable to the Proximitor sensor total-length selection.

Verify the mechanical gap
Use the approved machine drawing and gap-setting procedure before returning the channel to service.

Check hazardous-area scope
Confirm option 05 approval markings and the complete installed circuit against the applicable control drawing.

Prove channel response
Perform an approved gap or vibration response check and retain the result with monitor diagnostics.

Additional verified data

System linear range	2 mm / 80 mils; applies to a complete matched 3300 XL 8 mm system
System incremental scale factor	7.87 V/mm / 200 mV/mil; applies to the complete matched system
Nominal target gap	1.27 mm / 50 mils; complete matched-system reference condition
Extension cable capacitance	69.9 pF/m typical; matched-system cable reference
Maximum field wiring length	305 m between Proximitor sensor and monitor; complete-system reference

Related product references

General Electric 531X303MCPBCG1

Bently Nevada 3300/47

Bently Nevada 330101-00-28-10-02-CN

Hirschmann M4-FAST-8-SFP

General Electric IC695PNC001

04 Technical FAQ

How should 330101-00-40-05-02-05 be identified before replacement?	Match all six option groups in 330101-00-40-05-02-05: probe family, unthreaded length, case length, electrical length, connector/cable and approvals.
What installed interfaces must be checked for 330101-00-40-05-02-05?	Verify the 3/8-24 UNF mounting, 4.0 in case length, 0.0 in unthreaded length and ClickLoc connection used by 330101-00-40-05-02-05.
Which configuration values must be preserved before removing 330101-00-40-05-02-05?	Record the matched probe, extension cable and Proximitor sensor identities associated with 330101-00-40-05-02-05; do not mix system lengths.
How should the field wiring for 330101-00-40-05-02-05 be verified?	Protect the 75 Ω triaxial cable, maintain the approved bend route and keep connector contamination away from 330101-00-40-05-02-05.

Lifecycle Status

330101-00-40-05-02-05 catalog position	The complete option sequence remains decodable in Bently Nevada datasheet 141194 Rev. AN.
Commercial phase boundary	The current manufacturing phase and region-specific approval availability for this exact option combination have not been confirmed.
Service planning	Preserve the 0.5 m matched-system length, ClickLoc interface, 3/8-24 mounting and hazardous-area documentation.

Available Unit Details

Offered reference	Bently Nevada 330101-00-40-05-02-05.
Physical execution	3/8-24 UNF probe without armor; 0.0 in unthreaded length; 4.0 in case length.
Electrical execution	0.5 m total electrical length; miniature ClickLoc connector; standard cable; option 05 approvals.

Alternative Names

Reference variant	Bently Nevada 330101 00-40-05-02-05 Probe
Reference variant	3300 XL 8 mm 0.5 m ClickLoc Probe

Related product references

- General Electric IS220PPROH1A
- General Electric DS200TBCAG1AAB
- General Electric 531X123PCHACG1
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05 Technical notes, ordering and enquiry

What should be checked before energizing 330101-00-40-05-02-05?	Confirm thread engagement, probe gap, cable routing, matched 0.5 m electrical length and applicable hazardous-area drawing for 330101-00-40-05-02-05.
How can a suspected 330101-00-40-05-02-05 fault be separated from an external fault?	Check probe gap, connector condition, cable continuity and the matched Proximitor sensor before replacing 330101-00-40-05-02-05.
What proves that 330101-00-40-05-02-05 is operating correctly after installation?	A controlled gap or vibration check must show the expected matched-system response and stable monitor indication for 330101-00-40-05-02-05.
What should be retained in the handover record for 330101-00-40-05-02-05?	Retain the 330101-00-40-05-02-05 label, installed gap, matched-system components, approval record and functional-test result.

Technical notes

Matched-system rule	Use 330101-00-40-05-02-05 only with extension cable and Proximitor sensor selections that preserve the approved total electrical length.
Mechanical setting	Confirm 3/8-24 thread engagement, installed case clearance and the documented probe gap before tightening the locknut.
Approval boundary	Option 05 identifies CSA, ATEX and IECEx approvals; verify the complete installed circuit and applicable control drawing.

Ordering checks

Match the complete marking	Compare every token in 330101-00-40-05-02-05 with the installed label and the applicable manufacturer document.
Verify the assembly boundary	Confirm the terminal board, I/O pack, connector, carrier or matched-system components that belong with 330101-00-40-05-02-05.

What happens after you enquire

Review the exact reference	Send the complete 330101-00-40-05-02-05 marking, installed-system context and required quantity.
Confirm the hardware boundary	Review the offered 330101-00-40-05-02-05 assembly, included hardware and matching evidence.
Arrange dispatch	Confirm quantity, destination and the dispatch date in the quotation.

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Discuss the complete 330101-00-40-05-02-05 marking with Apter Power.

sales13@apterpower.com | +86 18030235313

Scan the WhatsApp QR to share nameplate and installed-system evidence.