

Bently Nevada 330101-30-63-10-02-CN

Forward-mount sensing identity

Bently Nevada 330101-30-63-10-02-CN forms the sensing end of a 3300 XL 8 mm proximity transducer system. The unarmored forward-mount construction uses a UNF mounting interface and standard lead with a miniature coaxial ClickLoc connection.

Mounting style	Forward mount, UNF thread
Cable protection	Unarmored construction
Mating interface	Gold-plated ClickLoc connection
Lead construction	Standard cable; no FluidLoc option
Protector selection	-02 does not include a connector protector

MEASUREMENT PURPOSE

Non-contact position and vibration monitoring on conductive targets in fluid-film bearing machinery.



The exact ordered construction is retained without treating related portfolio items as substitute probes. Use the matching monitoring configuration and target-material calibration.

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Signal chain and connection decisions

Probe to cable	Use the gold-plated XL ClickLoc interface. Two XL click-type connectors are finger-tightened.
Cable to sensor	Match probe-plus-extension length to the selected Proximitor Sensor system.
Sensor to monitor	The conditioned voltage carries static position and dynamic vibration information.

PROTECT THE JOIN

Provide environmental protection at the probe/cable connection; -02 is not a factory-protector build.

KEEP THE CALIBRATION BASIS

Factory calibration uses AISI 4140 steel. A different target requires the corresponding material calibration.

LIMIT MIXED-COMPONENT CLAIMS

XL and non-XL mixing is limited by the non-XL specification, despite the stated interchangeability.

For a probe-only arrangement, use the documented one-meter system. An extension arrangement must preserve the total electrical length chosen at the Proximitor Sensor.

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Electrical checks and installed applications

Radial shaft vibration Measures dynamic displacement at a fluid-film bearing when installed in a matched 3300 XL transducer chain.	Axial position sensing Provides non-contact position information from the conductive target in the configured monitoring arrangement.
Phase-reference duty Supports an engineered Keyphasor reference arrangement; speed-related use requires the corresponding application review.	Unarmored probe renewal Restores the specific UNF forward-mount position while preserving its cable route, exposed section and CN marking.

Electrical check	7.59 ± 0.50 ohm probe DC resistance
Probe temperature	-52°C to +177°C; pressure-seal caution below -34°C

A resistance result supports continuity assessment, not installed-system calibration. Pressure sealing, connector protection and conductive-target response remain distinct checks.

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Engineering FAQ and service boundaries

Does the CN suffix have the same meaning as approval option 05?

No. CN is a country-specific hazardous-area ordering option, while 05 denotes the listed CSA, ATEX and IECEx approval option. The installed certification and product marking determine the required option.

Is a connector protector included in this -02 build?

The -02 option supplies the miniature coaxial ClickLoc connector with standard cable, without a factory-installed connector protector. A separate protector can be fitted to improve environmental protection.

01 / Confirm the UNF forward-mount position and retain the complete CN approval marking.

03 / Keep the conductive target and installed calibration basis unchanged.

05 / Match total probe-plus-extension length to the Proximitor Sensor selection.

07 / Provide connector environmental protection; -02 does not include a protector.

Will this standard cable stop liquid migrating through its interior?

That containment function belongs to the optional FluidLoc cable construction. The standard cable specified by -02 must not be treated as a FluidLoc lead.

Which resistance check applies to this lead before connection?

Probe resistance from center conductor to outer conductor is 7.59 ± 0.50 ohm for the 1.0 m lead. This is a probe continuity reference, not the resistance of an added extension cable.

02 / Place the monitored machine in its approved maintenance state before probe work.

04 / Protect the unarmored cable from damage along its existing route.

06 / Finger-tighten the two XL ClickLoc connectors until the locking connection engages.

08 / Verify the final static gap and dynamic monitoring response before release.

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Sources, related products and contact

MANUFACTURER SOURCE LEDGER

3300 XL 8 mm Proximity Transducer System

Datasheet 141194 Rev. AN

Approvals Quick Reference Guide - Country Specific Ordering Options

108M1756 Rev. AV

DOCUMENT SCOPE

Technical Reference is the model dossier. Manufacturer Datasheet Excerpt preserves selected original 141194 pages unchanged. Complete Product Information combines functional, integration and service decisions.

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RELATED SENSING PORTFOLIO

Related catalog navigation; not interchangeable replacements.

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