Bently Nevada 24701-28-05-XX-065-03-XX MOD:323933-00-02

Installation & Commissioning Guide

Bently Nevada 24701-28-05-XX-065-03-XX MOD:323933-00-02 is a stainless-steel 24701 housing assembly carrying a multiple-approval 3300 XL 8 mm probe, a 0.5 m lead and a 6.5 in penetration setting.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Uses the all-metal 24701 body with a stainless-steel probe sleeve.

Feature 2

Carries a multiple-approval 3300 XL 8 mm probe inside the housing.

Feature 3

Sets the documented probe penetration to 6.5 in.

Feature 4

Provides the code-03 enclosure-entry hardware arrangement.

VERIFIED DATA SNAPSHOT

Housing family	24701 stainless steel
Probe option	3300 XL 8 mm with approval option
Probe lead	0.5 m
Probe penetration	6.5 in

SYSTEM RELATIONSHIP

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

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Pre-installation readiness

READINESS GATE

Identity Compare the complete marking with the approved work order and installed record.	**System match** Confirm the receiving channel, mating components and controlled configuration.
Physical condition Inspect mounting surfaces, connectors, terminals, cable and support hardware.	**Work controls** Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

Housing family 24701 stainless steel	**Probe option** 3300 XL 8 mm with approval option
Probe lead 0.5 m	**Probe penetration** 6.5 in
Fittings Plug, reducer and cable-seal grip	**Enclosure class** Type 4 family construction
Probe support rule Review support for long sleeve reach	**Signal system** Matched 3300 XL 8 mm transducer channel

IMPORTANT NOTICE	Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

SOURCE AND WORK CONTROLS

Manufacturer source	Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet 141600 Rev. AC.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

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Installation sequence

CONTROLLED WORK STEPS

01	Match the complete 24701-28-05-XX-065-03-XX MOD:323933-00-02 marking before dismantling the installed housing.
02	Confirm the prepared mounting thread and the installed standoff value from the actual assembly record.
03	Check that the 6.5 in penetration leaves safe target clearance through machine movement.
04	Add sleeve support wherever the installed reach can resonate.
05	Install the plug, reducer and cable-seal grip with the approved seals and entry hardware.
06	Keep the probe connector, sleeve and enclosure sealing faces free from contamination.
07	Set the probe gap only after the housing and support hardware are secured.
08	Verify the complete 3300 XL 8 mm channel before restoring protection.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.

Machine target → **Sensing tip** → **Coaxial signal path** → **Receiving electronics**

WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state

Observe status at power-up and check for unexpected fault or alarm indication.

Static value

Verify the expected bias, gap, loop, contact or channel value for the application.

Dynamic response

Apply the approved machine or test stimulus and confirm response and scaling.

Protection path

Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC EVIDENCE

External bearing probe mounting

Protects the proximity probe where it passes through a machine casing.

Shaft-relative vibration

Positions the 8 mm probe for non-contact vibration measurement.

Static shaft position

Maintains controlled probe reach for displacement or position monitoring.

Hazardous-area machinery

Supports an approved enclosure arrangement when all markings and installation conditions match.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

Name the probe technology contained in 24701-28-05-XX-065-03-XX MOD:323933-00-02?	Code 28 selects a 3300 XL 8 mm probe with the approval option.
What cable length follows code 05 on 24701-28-05-XX-065-03-XX MOD:323933-00-02?	The cable-length field specifies 0.5 m.
Translate segment 065 in 24701-28-05-XX-065-03-XX MOD:323933-00-02?	The penetration field specifies 6.5 in.
How is the conduit entry arranged for 24701-28-05-XX-065-03-XX MOD:323933-00-02?	Fitting code 03 supplies plug, reducer and cable-seal grip.

Release record and technical references

CLOSEOUT QUESTIONS

Where should extra sleeve support be considered on 24701-28-05-XX-065-03-XX MOD:323933-00-02?	The XX standoff value is configuration-controlled and must be matched to the installed assembly without substitution.
Which two unresolved interfaces must be compared for 24701-28-05-XX-065-03-XX MOD:323933-00-02?	The complete housing marking and prepared machine interface must agree before the body is tightened.
How can resonance affect the signal from 24701-28-05-XX-065-03-XX MOD:323933-00-02?	Verify sleeve support, target clearance and stable probe position across the full operating movement.
What proves correct polarity for 24701-28-05-XX-065-03-XX MOD:323933-00-02?	Record gap voltage, signal direction, dynamic response and the absence of monitor diagnostics.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 330901-10-60-70-02-05	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 330102-00-12-10-01-05	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 330190-045-01-05	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER SOURCE AND FINAL CONTROL

Manufacturer source	Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet 141600 Rev. AC.
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

IMPORTANT NOTICE	Release the equipment only after the responsible site authority accepts the recorded result.

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