

Job Scope and Safe-Work Boundary

Bently Nevada 330980-71-00

This guide organizes checks for the DIN-mounted NSv Proximity Sensor within a complete matched transducer chain. Use the applicable manufacturer drawing and approved plant work procedure for the actual installation.

Before Work Begins

RECORD	WHY IT MATTERS
Exact sensor identity	The 330980-71-00 order code and installed mounting style must match.
Companion components	Probe and extension cable must suit the sensor's system configuration.
Electrical arrangement	The supply and any barrier determine the applicable power limits.
Calibration target	Standard calibration is to AISI 4140 steel unless another is approved.
Monitor channel	Record existing wiring, scaling and maintenance state before work.
Approval drawing	Use the drawing applicable to the installed circuit and protection method.

Release boundary

Do not release the monitoring point on mechanical mounting alone. Verify the matched NSv chain, SpringLoc wiring, supply, calibration basis and controlled channel response.

Manufacturer source record

Bently Nevada 3300 XL NSv Proximity Transducer System Datasheet, 147385 Rev. R. Technical and ordering sections: pages 1-6 and 13.

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330980-71-00

Pre-Installation Readiness

Documented Checks

CHECK	REQUIRED EVIDENCE
Mounting	DIN-rail arrangement corresponds to the ordered sensor variant.
Mating probe	Installed 3300 RAM or 3300 NSv probe is documented for the channel.
Extension cable	Cable and probe make the required matched system configuration.
Connector condition	ClickLoc connections are clean, secure and protected.
Field wiring	SpringLoc terminals and shielded monitor cable match the drawing.
Supply	Power is within the applicable barrier/no-barrier specification.
Target	AISI 4140 calibration basis or approved alternate is recorded.
Environment	Sensor use remains within published temperature limits.

Stop and resolve

Hold installation if the exact sensor identity, companion components, target calibration, power scheme or channel wiring cannot be reconciled with the approved record.

Related Products on Apter Power

Bently Nevada 330980-70-05	View Bently Nevada 330980-70-05 page
Bently Nevada 330980-71-BR	View Bently Nevada 330980-71-BR page
Bently Nevada 330930-060-10-00	View Bently Nevada 330930-060-10-00 page
Bently Nevada 330905-00-18-05-02-05	View Bently Nevada 330905-00-18-05-02-05 page
Bently Nevada 330905-08-13-10-12-05	View Bently Nevada 330905-08-13-10-12-05 page
Bently Nevada 330905-00-07-10-02-05	View Bently Nevada 330905-00-07-10-02-05 page
Bently Nevada 330905-00-08-10-02-00	View Bently Nevada 330905-00-08-10-02-00 page
Bently Nevada 330905-00-05-10-12-CN	View Bently Nevada 330905-00-05-10-12-CN page

Connection and Commissioning Sequence

Sequence with Acceptance Criteria

STEP	ACTION	ACCEPTANCE
01	Verify the complete 330980-71-00 marking.	DIN-mounted NSv sensor identity agrees with the approved record.
02	Inspect the sensor housing, terminals and connector.	No damage or contamination that could affect the channel.
03	Secure the sensor on the approved DIN-rail position.	Installed arrangement agrees with the manufacturer drawing.
04	Match the NSv probe and extension cable.	The complete chain meets the selected sensor configuration.
05	Mate and protect ClickLoc connections.	Positive locking and environmental protection are verified.
06	Wire the SpringLoc terminals and shield.	Polarity, power and monitor connection match the drawing.
07	Energize under the controlled work procedure.	Supply is within the applicable barrier/no-barrier limit.
08	Check static output and monitored response.	Results satisfy the approved channel acceptance criteria.

Related Products on Apter Power

Bently Nevada 330901-11-25-10-01-00	View Bently Nevada 330901-11-25-10-01-00 page
Bently Nevada 330901-00-32-10-02-05	View Bently Nevada 330901-00-32-10-02-05 page
Bently Nevada 330901-00-90-10-02-05	View Bently Nevada 330901-00-90-10-02-05 page
Bently Nevada 330104-08-15-10-02-00	View Bently Nevada 330104-08-15-10-02-00 page
Bently Nevada 330104-00-07-50-02-00	View Bently Nevada 330104-00-07-50-02-00 page
Bently Nevada 330104-00-24-10-02-00	View Bently Nevada 330104-00-24-10-02-00 page
Bently Nevada 330104-00-10-05-01-05	View Bently Nevada 330104-00-10-05-01-05 page
Bently Nevada 330104-08-12-10-02-00	View Bently Nevada 330104-08-12-10-02-00 page

Acceptance and Fault Isolation

Controlled Release Summary

CHECK	EXPECTED RESULT	IF NOT
Identity	Exact DIN-mounted NSv sensor is recorded.	Reconcile the installed order code.
Mating chain	Probe and cable suit the sensor variant.	Check system pairing and connector condition.
Supply	Power follows the installed circuit specification.	Check barrier, wiring and source.
Static output	Gap-dependent output is credible.	Check target calibration and chain.
Dynamic response	Controlled test agrees with channel baseline.	Review monitor settings and machine state.
Documentation	Change and test results are recorded.	Hold release until record is complete.

Model-Specific Diagnostic Questions

QUESTION	FIELD RESPONSE
330980-71-00 output is unexpected?	Check supply, target calibration, matched probe/cable and monitor settings.
330980-71-00 terminal is loose?	Inspect SpringLoc engagement using the approved maintenance procedure.
330980-71-00 replacement differs?	Reconcile the full order code and DIN mounting before release.

Manufacturer source record

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