

Installation Identity and Scope

Bently Nevada 330850-51-CN is a DIN-mounted 3300 XL 25 mm Proximity Sensor for differential-expansion and large-range position monitoring. The CN suffix is retained as a controlled marking and must be verified from the supplied unit.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	330850-51-CN
Manufacturer	Bently Nevada
Hardware type	25 mm Proximity Sensor
System family	Industrial automation
Official source	Baker Hughes / Bently Nevada publication 163236 Rev. M

CONTROLLED ENGINEERING COPY

Publication 163236 defines the 330850 family and DIN mounting option but does not decode CN. Match the sensor only with the approved 25 mm probe and extension cable, then verify supply, target, gap and channel scaling.

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330850-51-CN

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete 330850-51-CN marking.
2	Retain and verify the CN suffix.
3	Use only a compatible 25 mm probe and extension cable.
4	Confirm DIN-rail mounting and electrical isolation.
5	Preserve the documented target geometry and material.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	330850-51-CN
Physical interface	Exact Bently Nevada 330850-51-CN nameplate and installed revision
Companion check	Documented 25 mm Proximitor Sensor system position and companion hardware
Configuration	Labeled field, power, communication and grounding connections
Functional proof	Saved configuration plus a controlled functional-test record

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 330101-00-36-10-01-00	View Bently Nevada 330101-00-36-10-01-00
Bently Nevada 330101-00-36-10-02-00	View Bently Nevada 330101-00-36-10-02-00
Bently Nevada 330101-00-36-10-02-05	View Bently Nevada 330101-00-36-10-02-05
Bently Nevada 330101-00-39-10-02-05	View Bently Nevada 330101-00-39-10-02-05
Bently Nevada 330101-00-39-15-11-00	View Bently Nevada 330101-00-39-15-11-00

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Bently Nevada 330850-51-CN and the installed revision exactly.
Complete model	Verify the documented value: 330850-51-CN.
Sensor family	Verify the documented value: 330850 3300 XL 25 mm Proximito Sensor.
Connections	Label every installed interface, common, shield and protective-ground connection.
Configuration	Back up and restore the model-specific settings, mappings and approved limits.
Functional proof	Test the complete 25 mm Proximito Sensor function under a controlled maintenance state.

CONFIGURATION BOUNDARY

Publication 163236 defines the 330850 family and DIN mounting option but does not decode CN. Match the sensor only with the approved 25 mm probe and extension cable, then verify supply, target, gap and channel scaling.

Expected Technical Values

PARAMETER	VALUE
Complete model	330850-51-CN
Sensor family	330850 3300 XL 25 mm Proximito Sensor
Mounting option	51 = DIN-rail mounting
CN control	Retain supplied suffix; verify physical marking

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 330101-00-39-20-02-05	View Bently Nevada 330101-00-39-20-02-05
Bently Nevada 330101-00-40-05-02-00	View Bently Nevada 330101-00-40-05-02-00

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	The complete 330850-51-CN marking and revision agree with the engineering record.
Compatibility	System position, companion hardware and interfaces match the manufacturer documentation.
Configuration	Saved values, channel mappings and protection limits are restored without unexplained change.
Functional proof	Diagnostics and the model-specific controlled test pass without unexplained fault.

Model-Specific Questions

QUESTION	ENGINEERING ANSWER
What is Bently Nevada 330850-51-CN?	It is a 330850 3300 XL 25 mm Proximito Sensor configuration for differential-expansion service.
Which mounting option applies to Bently Nevada 330850-51-CN?	Order option 51 identifies the DIN-rail mounting configuration in the current 330850 table.
How should the CN suffix be handled for Bently Nevada 330850-51-CN?	Retain CN exactly and verify the supplied approval marking; the current public table does not decode CN.
Which probe family is compatible with Bently Nevada 330850-51-CN?	Use it only with the documented 330851 or 330852 probe and matching extension cable.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 330101-00-40-10-01-00	View Bently Nevada 330101-00-40-10-01-00
Bently Nevada 330101-00-40-10-02-00	View Bently Nevada 330101-00-40-10-02-00
Bently Nevada 330101-00-40-10-02-05	View Bently Nevada 330101-00-40-10-02-05
Bently Nevada 330101-00-43-15-02-CN	View Bently Nevada 330101-00-43-15-02-CN
Bently Nevada 330101-00-44-15-02-05	View Bently Nevada 330101-00-44-15-02-05

FAQ, Source and Controlled Release

QUESTION	ENGINEERING ANSWER
What power applies to Bently Nevada 330850-51-CN?	The 25 mm Proximitors family uses the manufacturer-published negative DC supply limits.
What nominal scale factor applies to Bently Nevada 330850-51-CN?	The matched 25 mm system publishes a nominal incremental scale factor of 0.394 V/mm.
Which application is typical for Bently Nevada 330850-51-CN?	The system is designed for differential-expansion and other large-range shaft-position measurements.
What confirms commissioning of Bently Nevada 330850-51-CN?	Verify the full marking, DIN mounting, compatible probe chain, target, gap, polarity, scale factor and channel response.

MANUFACTURER SOURCE RECORDS

Bently Nevada 3300 XL 25 mm Proximity Transducer System Datasheet - Baker Hughes / Bently Nevada publication 163236 Rev. M

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	330850-51-CN recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
Functional proof	Controlled test completed without unexplained fault

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