

INDUSTRIAL AUTOMATION PRODUCT

330850-91-00

3300 XL 25 mm Proximitior Sensor, 9 m DIN Mount

Bently Nevada 330850-91-00 is a 3300 XL 25 mm Proximitior Sensor for a 9.0 m system, DIN-rail mounting and approval option 00.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 XL 25 mm
Part number	330850-91-00
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Use 330850-91-00 only with a matched 9 m 3300 XL 25 mm probe/extension-cable chain and DIN mounting. Option 00 is no approvals. Confirm target material, gap, polarity, shield and monitor scaling before release.

System Role and Architecture

Bently Nevada 330850-91-00 is a 3300 XL 25 mm Proximitior Sensor for a 9.0 m system, DIN-rail mounting and approval option 00.

FUNCTION 1
9.0 m matched system length

FUNCTION 2
DIN-rail Proximitior mounting

FUNCTION 3
12.7 mm nominal linear range

FUNCTION 4
0.787 V/mm nominal scale factor

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 XL 25 mm
02	Matched extension cable and ClickLoc connector loop
03	3300 XL Proximitior Sensor host channel
04	AISI 4140 steel target or approved equivalent

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 XL 25 mm
Interface role	3300 XL 25 mm Proximitior Sensor, 9 m DIN Mount
Field / power context	The Proximitior Sensor must remain matched to the 25 mm probe, extension cable, target and monitor
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm 330850-91-00 and the 9 m DIN-mount/no-approval ordering codes.
- 2

Place the turbine and protection channel in the approved maintenance state.
- 3

Isolate monitor power and record bias, polarity, scaling and alarm settings.
- 4

Confirm probe plus extension cable equals the 9 m system length.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product family	3300 XL 25 mm Proximito Sensor	Linear range	12.7 mm
System length	9.0 m	Linear-range interval	0.63 to 13.33 mm from target
Mounting	DIN rail	Average scale factor	0.787 V/mm nominal
Approval option	00 - no approvals	Best-fit deviation	Less than +/-0.31 mm
Accepted input	One 3300 XL 25 mm probe and extension cable	Field wiring	16 to 24 AWG three-conductor shielded triad recommended
Supply without barriers	-17.5 to -26 Vdc, 12 mA maximum	Maximum monitor cable	305 m
Supply with barriers	-23 to -26 Vdc	Factory target	AISI 4140 steel, 61 mm minimum diameter
Output resistance	50 ohm		

RELATED GE PRODUCT PAGES		
1 Siemens 6au1435-2ad00-0aa0	2 Bently Nevada 330101-00-08-05-02-05	3 Bently Nevada 330101-00-20-20-02-cn
4 Bently Nevada 330103-00-04-10-02-00	5 Bently Nevada 330103-00-12-10-01-00	6 Bently Nevada 330104-00-04-10-02-05
7 Bently Nevada 330104-00-12-10-02-00	8 Bently Nevada 330104-03-06-10-02-00	9 Bently Nevada 330104-06-12-10-02-00

ENGINEERING BOUNDARY

Confirm 330850-91-00, 9 m matched electrical length, DIN mounting, option 00, 25 mm probe and cable, AISI 4140 target, static gap, polarity, shielding, monitor scaling and controlled range-test evidence before commissioning.

PRE-INSTALLATION CHECKS

1 Confirm 330850-91-00 and the 9 m DIN-mount/no-approval ordering codes.	2 Place the turbine and protection channel in the approved maintenance state.
3 Isolate monitor power and record bias, polarity, scaling and alarm settings.	4 Confirm probe plus extension cable equals the 9 m system length.

Applications and Engineering Context

Differential expansion

Measures large turbine rotor/casing growth.

Rotor position

Provides wide-range non-contact displacement.

DIN-rail monitor panels

Fits the documented 9 m system panel.

Matched-system replacement

Preserves probe, extension cable and Proximator identity.

TECHNICAL NOTE

Use 330850-91-00 only with a matched 9 m 3300 XL 25 mm probe/extension-cable chain and DIN mounting. Option 00 is no approvals. Confirm target material, gap, polarity, shield and monitor scaling before release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330850-91-00 recorded
Host / carrier	Bently Nevada 3300 XL 25 mm
Physical interface	Exact identity, installed position and every connected interface matched
Configuration	Recorded hardware and software configuration restored
Functional proof	Diagnostics and controlled functional response recorded

IMPORTANT NOTICE

Confirm 330850-91-00, 9 m matched electrical length, DIN mounting, option 00, 25 mm probe and cable, AISI 4140 target, static gap, polarity, shielding, monitor scaling and controlled range-test evidence before commissioning.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6au1435-2ad00-0aa0

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2

Bently Nevada 330101-00-08-05-02-05

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MANUFACTURER SOURCE RECORD

3300 XL 25 mm Proximity Transducer System Datasheet | Bently Nevada publication 163236 Rev. L

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.