

INDUSTRIAL AUTOMATION PRODUCT

330100-50-02

3300 XL 8 mm Proximitior Sensor

The Proximitior Sensor conditions the matched 8 mm probe signal for a machinery-monitoring input.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 8 mm Proximity Transducer System
Part number	330100-50-02
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Complete catalog number	330100-50-02
System family	3300 XL 8 mm
System length order code	50
Option code	02
System linear range	2.0 mm (80 mils)
Incremental scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz, +0/-3 dB
Supply voltage	-17.5 to -26 V DC
Supply current	12 mA maximum
Output resistance	50 Ohm

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented 3300 XL 8 mm Proximity Sensor function
Controlled acceptance duty	3300 XL 8 mm Proximity Transducer System installed-base service

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System Role and Architecture

The Proximity Sensor conditions the matched 8 mm probe signal for a machinery-monitoring input.

FUNCTION 1

Provides the documented 3300 XL 8 mm Proximity Sensor function

FUNCTION 2

Maintains the engineered signal or power path

FUNCTION 3

Integrates with the specified host and companion hardware

FUNCTION 4

Supports controlled diagnostics and functional verification

Matched system components

- Documented host position and companion hardware
- Approved field or control wiring arrangement
- Recorded connector, shield and grounding system
- Configured monitor, controller or protection channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented 3300 XL 8 mm Proximity Sensor function
Controlled acceptance duty	3300 XL 8 mm Proximity Transducer System installed-base service

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Applications and Engineering Context

3300 XL 8 mm Proximity Transducer System installed-base service

Provides the documented 3300 XL 8 mm Proximity Sensor function

3300 XL 8 mm Proximity Transducer System compatibility review

Maintains the engineered signal or power path

3300 XL 8 mm Proximity Transducer System installation planning

Integrates with the specified host and companion hardware

3300 XL 8 mm Proximity Transducer System controlled commissioning

Supports controlled diagnostics and functional verification

TECHNICAL NOTE

Install 330100-50-02 only in the documented 3300 XL 8 mm Proximity Transducer System position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330100-50-02 / 330100-50-02 recorded
Physical interface	Documented host position and companion hardware
Companion check	Approved field or control wiring arrangement
Functional proof	Provides the documented 3300 XL 8 mm Proximity Sensor function
Application test	3300 XL 8 mm Proximity Transducer System installed-base service

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Engineering Precautions

1

Verify the complete 330100-50-02 marking and installed position before work.

2

Place the connected equipment in the approved maintenance state.

3

Isolate applicable power and signal energy before disconnecting wiring.

4

Use ESD controls and protect connectors from contamination or damage.

5

Record as-found cable, terminal, shield and grounding identity.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330850-50-00	3300 XL NSv Proximity Sensor	View 330850-50-00 page
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 page
330171-00-12-05-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-33-50-01-05 page
330171-00-08-10-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-08-10-01-05 page
330172-00-08-10-01-05	3300 XL 5/8 mm armored proximity probe	View 330172-00-08-10-01-05 page
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-12-10-02-00 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet

141194 Rev. AM

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