

INDUSTRIAL AUTOMATION PRODUCT

330881-16-00-307-06-02

PROXPAC XL 8 mm proximity transducer assembly

Conditioned 3300 XL proximity output from the embedded Proximity Sensor to the monitor

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	PROXPAC XL Proximity Transducer Assembly
Part number	330881-16-00-307-06-02
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	VALUE
Assembly model	330881
Probe	3300 XL 8 mm
Approval option	Without approvals
Standoff adapter	None
Probe penetration	30.7 in (780 mm)
Fittings	One 3/4-14 NPT fitting; one 3/4-to-1/2 NPT SST reducer; two plugs
Mounting thread	3/4-14 NPT
Housing rating	IP66; Type 4X
Housing material	UV-resistant glass-reinforced conductive PPS
Power without barriers	-17.5 to -26 V DC; 12 mA maximum
Power with barriers	-23 to -26 V DC

PARAMETER	VALUE
Supply sensitivity	<2 mV/V
Output resistance	50 Ohm
Field-wire conductor range	0.2 to 1.5 mm ² (16 to 24 AWG)
Maximum field-wire length	305 m (1000 ft)
Linear range	2.0 mm (80 mils)
Linear-range limits	0.25 to 2.30 mm (10 to 90 mils)
Recommended radial-vibration gap	-9 V DC; approximately 1.27 mm (50 mils)
Incremental scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz; +0/-3 dB
Extension-cable capacitance	69.9 pF/m typical
Minimum bend radius	25.4 mm (1.0 in)

VERIFIED PRODUCT RECORD

DATA GROUP	VERIFIED VALUE
Installed host / carrier	embedded 3300 XL Proximity Sensor
Companion hardware	machine-case mounting boss
Field connection	three-conductor shielded field cable
Primary system function	Sets the documented probe penetration to 30.7 in (780 mm)
Controlled acceptance duty	Harsh-area radial vibration

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System Role and Architecture

Conditioned 3300 XL proximity output from the embedded Proximitor Sensor to the monitor

FUNCTION 1

Sets the documented probe penetration to 30.7 in (780 mm)

FUNCTION 2

Integrates sensing and signal-conditioning hardware in one housing

FUNCTION 3

Provides the selected NPT fitting and reducer arrangement

FUNCTION 4

Supports external probe adjustment in an exposed machine location

Matched system components

- embedded 3300 XL Proximitor Sensor
- machine-case mounting boss
- three-conductor shielded field cable
- compatible monitor channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	embedded 3300 XL Proximitor Sensor
Companion hardware	machine-case mounting boss
Field connection	three-conductor shielded field cable
Primary system function	Sets the documented probe penetration to 30.7 in (780 mm)
Controlled acceptance duty	Harsh-area radial vibration

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Applications and Engineering Context

Harsh-area radial vibration

Sets the documented probe penetration to 30.7 in (780 mm)

Externally adjustable axial position

Integrates sensing and signal-conditioning hardware in one housing

Remote monitor-cabinet wiring

Provides the selected NPT fitting and reducer arrangement

PROXPAC assembly renewal

Supports external probe adjustment in an exposed machine location

TECHNICAL NOTE

Confirm the complete 330881-16-00-307-06-02 code, 30.7 in (780 mm) sleeve penetration, 3/4-14 NPT mounting and fitting orientation before closing the cover and proving enclosure integrity.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330881-16-00-307-06-02 / 330881-16-00-307-06-02 recorded
Physical interface	embedded 3300 XL Proximitior Sensor
Companion check	machine-case mounting boss
Functional proof	Sets the documented probe penetration to 30.7 in (780 mm)
Application test	Harsh-area radial vibration

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Engineering Precautions

1

Verify 330881-16-00-307-06-02 and the 30.7 in (780 mm) penetration before work.

2

Place the machine and protection channel in the approved maintenance state.

3

Preserve the 3/4-14 NPT mounting thread and machine-case sealing surface.

4

Label power, common, signal and shield conductors before disconnecting the field cable.

5

Protect the conductive housing, gasket, probe tip and internal electronics from damage.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330104-00-02-10-02-00	Related Bently Nevada product	View 330104-00-02-10-02-00 page
330400-02-05	Related Bently Nevada product	View 330400-02-05 page
133827-01	Related Bently Nevada product	View 133827-01 page
136294-01	Related Bently Nevada product	View 136294-01 page
18745-04	Related Bently Nevada product	View 18745-04 page
TK3-2E	Related Bently Nevada product	View TK3-2E page
PWA123447-01	Related Bently Nevada product	View PWA123447-01 page
990-04-70-01-00	Related Bently Nevada product	View 990-04-70-01-00 page

MANUFACTURER SOURCE RECORD

Bently Nevada PROXPAC XL Proximity Transducer Assembly Datasheet

178554 Rev. E

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