

INDUSTRIAL AUTOMATION PRODUCT

330180-X1-05 MOD:145004-57

Modified Proximitior Sensor

Bently Nevada 330180-X1-05 MOD:145004-57 is a modified 3300 XL 8 mm Proximitior Sensor carrying custom X1 and MOD identities that must remain matched to the installed transducer system.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 8 mm Proximity Transducer System
Part number	330180-X1-05 MOD:145004-57

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Technical Specifications

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

PARAMETER	TECHNICAL VALUE
sensor model	330180 Proximitar Sensor
custom option	X1; verify from nameplate and controlled drawing
modification identity	MOD:145004-57
agency-approval option	05, CSA/ATEX/IECEX
supply without barriers	-17.5 to -26 V DC; 12 mA maximum
supply with barriers	-23 to -26 V DC
output resistance	50 ohm
maximum monitor field-wire length	305 m (1000 ft)
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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	matched 3300 XL 8 mm probe and extension cable
Companion hardware	documented custom mounting and system-length arrangement
Field connection	approved field wiring
Primary system function	Conditions a matched 3300 XL 8 mm transducer signal
Controlled acceptance duty	Radial vibration conditioning



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System Role and Architecture

Bently Nevada 330180-X1-05 MOD:145004-57 is a modified 3300 XL 8 mm Proximito Sensor carrying custom X1 and MOD identities that must remain matched to the installed transducer system.

FUNCTION 1

Conditions a matched 3300 XL 8 mm transducer signal

FUNCTION 2

Retains the supplied X1 custom identity

FUNCTION 3

Carries MOD:145004-57

FUNCTION 4

Provides the approved monitor interface

Matched system components

- matched 3300 XL 8 mm probe and extension cable
- documented custom mounting and system-length arrangement
- approved field wiring
- configured monitor channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	matched 3300 XL 8 mm probe and extension cable
Companion hardware	documented custom mounting and system-length arrangement
Field connection	approved field wiring
Primary system function	Conditions a matched 3300 XL 8 mm transducer signal
Controlled acceptance duty	Radial vibration conditioning



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Applications and Engineering Context

Radial vibration conditioning

Conditions a matched 3300 XL 8 mm transducer signal

Axial position conditioning

Retains the supplied X1 custom identity

Custom sensor replacement

Carries MOD:145004-57

Monitor channel restoration

Provides the approved monitor interface

TECHNICAL NOTE

X1 and MOD:145004-57 are custom identities; do not infer the system length or mounting from a standard 330180 option table. Verify the nameplate and controlled drawing.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330180-X1-05 MOD:145004-57 / 330180-X1-05 MOD:145004-57 recorded
Physical interface	matched 3300 XL 8 mm probe and extension cable
Companion check	documented custom mounting and system-length arrangement
Functional proof	Conditions a matched 3300 XL 8 mm transducer signal
Application test	Radial vibration conditioning



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Engineering Precautions

- 1 Verify the complete 330180-X1-05 MOD:145004-57 marking and its assigned 3300 XL 8 mm Proximity Transducer System position before work.
- 2 Place the connected radial vibration conditioning process in the approved maintenance state.
- 3 Isolate the documented power, signal and stored-energy sources before disconnecting the transducer or module.
- 4 Record every connector, cable route, shield, polarity, channel assignment and host configuration before removal.
- 5 Use ESD-safe handling and protect coaxial, terminal and keyed interfaces from contamination or mechanical damage.

RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Siemens 6AV2124 0QC02 0AX1	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6ES7590 1AB60 0AA0	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6EP3334 8SB00 0AY0	Bently Nevada monitoring product	Open Bently Nevada page
ABB INTKM01	Bently Nevada monitoring product	Open Bently Nevada page
Hitachi EH PT4	Bently Nevada monitoring product	Open Bently Nevada page
Eaton EMT6 DB 066401	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6AU1455 2AD00 0AA0	Bently Nevada monitoring product	Open Bently Nevada page
Invensys 3511	Bently Nevada monitoring product	Open Bently Nevada page
Invensys 3704E	Bently Nevada monitoring product	Open Bently Nevada page
Invensys EMPII 3006	Bently Nevada monitoring product	Open Bently Nevada page

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet

141194 Rev. AM

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