

INDUSTRIAL AUTOMATION PRODUCT

330180-X1-CN MOD:143416-29

3300 XL Proximitior Sensor

Bently Nevada 330180-X1-CN MOD:143416-29 is a marked 3300 XL 8 mm Proximitior Sensor configuration. It conditions the matched proximity-probe signal while preserving its X1, CN and MOD identity.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330180-X1-CN MOD:143416-29
Product role	3300 XL Proximitior Sensor
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141194 Rev. AM

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	330180-X1-CN MOD:143416-29
Manufacturer series	330180 Proximitior Sensor
Compatible probe input	3300-series 5 mm or 3300 XL 8 mm matched probe chain
X1 configuration	Resolve from physical nameplate and installed mounting
CN control	Retain supplied suffix and verify current marking
MOD identity	143416-29; not decoded in publication 141194
Power without barriers	-17.5 to -26 Vdc
Maximum consumption	12 mA
Output resistance	50 ohm
Nominal scale factor	7.87 V/mm for the standard matched system
Frequency response	0 to 10 kHz under published conditions

ENGINEERING BOUNDARY

Publication 141194 defines the 330180 family but does not decode MOD 143416-29 or resolve X1. Record the complete nameplate and installed mounting; do not infer a MOD function or direct replacement without manufacturer confirmation.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 21000-16-05-00-080-04-02	View Bently Nevada 21000-16-05-00-080-04-02
Bently Nevada 21000-00-00-00-019-03-02	View Bently Nevada 21000-00-00-00-019-03-02
Bently Nevada 21000-00-00-00-064-01-02	View Bently Nevada 21000-00-00-00-064-01-02
Bently Nevada 21000-00-00-00-087-03-02	View Bently Nevada 21000-00-00-00-087-03-02

System Role and Common Applications

Bently Nevada 330180-X1-CN MOD:143416-29 is a marked 3300 XL 8 mm Proximito Sensor configuration. It conditions the matched proximity-probe signal while preserving its X1, CN and MOD identity.

FUNCTION 1
3300 XL 8 mm signal conditioning

FUNCTION 2
50 ohm output resistance

FUNCTION 3
Negative-DC powered interface

FUNCTION 4
Nameplate-controlled X1, CN and MOD identity

APPLICATION	ENGINEERING CONTEXT
Radial vibration conditioning	Conditions the matched probe signal for a monitor channel.
Axial position	Provides conditioned displacement output for a thrust channel.
Machine centerline	Supports static shaft-position trending with the matched system.
Monitor restoration	Restores a documented conditioning position and bias response.

ACCEPTANCE DUTY
Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the entire 330180-X1-CN MOD:143416-29 marking.
2	Resolve X1 from the installed unit and approved record.
3	Do not assign a function to MOD 143416-29 without manufacturer confirmation.
4	Retain and verify the CN marking.
5	Match the probe and extension cable to the actual sensor configuration.
6	Provide the documented negative DC supply.
7	Preserve shielded field wiring and grounding.
8	Verify static position, dynamic response, polarity and alarm action before release.

QUESTION	ANSWER
What is Bently Nevada 330180-X1-CN MOD:143416-29?	It is a marked 330180 3300 XL 8 mm Proximity Sensor configuration.
Which probe family can Bently Nevada 330180-X1-CN MOD:143416-29 condition?	The 330180 family conditions a compatible 3300-series 5 mm or 3300 XL 8 mm probe and extension cable.
How should X1 be handled for Bently Nevada 330180-X1-CN MOD:143416-29?	Resolve the X1 configuration from the physical nameplate and installed mounting; do not infer it from another unit.
How should the CN suffix be handled for Bently Nevada 330180-X1-CN MOD:143416-29?	Retain CN exactly and verify the approval marking against the supplied nameplate and current manufacturer documentation.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 21000-00-00-00-41-04-02	View Bently Nevada 21000-00-00-00-41-04-02
Bently Nevada 21000-00-00-15-226-03-02	View Bently Nevada 21000-00-00-15-226-03-02
Bently Nevada 21000-00-00-40-040-02-02	View Bently Nevada 21000-00-00-40-040-02-02
Bently Nevada 21000-00-00-55-060-03-02	View Bently Nevada 21000-00-00-55-060-03-02
Bently Nevada 21000-00-00-60-028-02-02	View Bently Nevada 21000-00-00-60-028-02-02

FAQ, Related Products and Official Sources

QUESTION	ANSWER
What does the MOD identity mean for Bently Nevada 330180-X1-CN MOD:143416-29?	MOD 143416-29 is not decoded by publication 141194, so it must remain a controlled nameplate identity.
What power applies to Bently Nevada 330180-X1-CN MOD:143416-29?	The 330180 family uses a negative DC supply within the manufacturer-published limits and consumes 12 mA maximum.
What output characteristics apply to Bently Nevada 330180-X1-CN MOD:143416-29?	The standard matched family publishes 50 ohm output resistance and a nominal 7.87 V/mm scale factor.
What confirms commissioning of Bently Nevada 330180-X1-CN MOD:143416-29?	Resolve X1, retain the MOD and CN markings, then verify the matched chain, supply, gap voltage, polarity and dynamic response.

MODEL	APTER POWER PAGE
Bently Nevada 21000-11-05-00-085-03-02	View Bently Nevada 21000-11-05-00-085-03-02
Bently Nevada 21000-15-10-00-166-03-02	View Bently Nevada 21000-15-10-00-166-03-02
Bently Nevada 21000-16-05-00-027-04-02	View Bently Nevada 21000-16-05-00-027-04-02

MANUFACTURER SOURCE RECORDS

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet - Baker Hughes / Bently Nevada publication 141194 Rev. AM

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