330180-X1-05 MOD:145193-01

Proximitor Sensor

PUBLISHED IDENTITY

Bently Nevada 330180-X1-05 MOD:145193-01 is a special-marked 3300 XL 8 mm Proximitor Sensor for a matched proximity transducer system. The published 330180 family conditions the probe-and-extension-cable signal for machinery vibration and position monitoring.

Technical snapshot

Product family	3300 XL 8 mm Proximity Transducer System
Component role	Proximitor Sensor
Complete special marking	330180-X1-05 MOD:145193-01
Standard family ordering format	330180-AA-BB
System components	One 3300 XL 8 mm probe, one extension cable and one Proximitor Sensor
Measured values	Static position and dynamic vibration
Field wiring	0.2 to 1.5 mm2 (16 to 24 AWG) shielded triad
Maximum field-wiring distance	305 m (1,000 ft) from sensor to monitor

Verified related ApterPower product pages

Bently Nevada 330101-00-53-10-12-05

Bently Nevada 330101-00-16-05-11-05

Engineering data

Official evidence organized for exact-model review

Product family	3300 XL 8 mm Proximity Transducer System
Component role	Proximitor Sensor
Complete special marking	330180-X1-05 MOD:145193-01
Standard family ordering format	330180-AA-BB
System components	One 3300 XL 8 mm probe, one extension cable and one Proximitor Sensor
Measured values	Static position and dynamic vibration

Field wiring	0.2 to 1.5 mm2 (16 to 24 AWG) shielded triad
Maximum field-wiring distance	305 m (1,000 ft) from sensor to monitor
Sensor output resistance	50 ohm
Standard family approval code 05	CSA, ATEX and IECEx approvals
Special-code boundary	X1 and MOD:145193-01 require exact nameplate and order-record verification

EVIDENCE BOUNDARY

Confirm the complete Bently Nevada 330180-X1-05 MOD:145193-01 nameplate and approved ordering record before installation or replacement.

Applications and system role

Four distinct documented operating contexts

FLUID-FILM BEARING VIBRATION

Conditions the matched proximity signal used for radial-vibration monitoring.

SHAFT POSITION MEASUREMENT

Converts probe-to-target distance into a monitor input signal.

KEYPHASOR AND SPEED REFERENCE

Supports approved reference or speed measurements within a documented system.

CONTROLLED SENSOR REPLACEMENT

Uses the full special marking and installed chain record to prevent an unsupported substitution.

Integration control

Use this special-marked sensor only with the approved probe, extension cable, target material and monitor configuration. Preserve the full X1 and MOD:145193-01 identity because the public standard ordering table does not decode those special markings. Record the installed gap voltage and complete an approved monitor-channel acceptance test after service.

Verified related ApterPower product pages

Bently Nevada 330101-30-60-10-02-05

Bently Nevada 330101-00-60-10-02-00

Technical questions

Complete model-specific answers from the approved evidence set

What role does Bently Nevada 330180-X1-05 MOD:145193-01 perform?

Bently Nevada 330180-X1-05 MOD:145193-01 performs the Proximitor Sensor role in a matched 3300 XL 8 mm proximity transducer system.

Which transducer family includes 330180-X1-05 MOD:145193-01?

The complete special marking belongs to the published 330180 Proximitor Sensor family for the 3300 XL 8 mm system.

Which components form the system used with 330180-X1-05 MOD:145193-01?

The system uses one 3300 XL 8 mm probe, one matching extension cable and one Proximitor Sensor.

What does the output from 330180-X1-05 MOD:145193-01 represent?

The sensor output is proportional to the distance between the probe tip and the observed conductive target, allowing static and dynamic measurements.

Which field wiring is documented for the 330180 family?

The published family data specifies 0.2 to 1.5 mm2 shielded triad wiring and permits as much as 305 m between the Proximitor Sensor and monitor.

Can the standard 330180 ordering table decode X1 in 330180-X1-05 MOD:145193-01?

No. The public standard table defines numeric AA mounting and length codes, so X1 must be verified from the exact nameplate and approved special-order record.

Why must MOD:145193-01 remain attached to 330180-X1-05?

MOD:145193-01 is part of the complete installed identity and prevents the special-marked unit from being treated as an ordinary standard-code sensor.

What confirms commissioning of 330180-X1-05 MOD:145193-01?

Commissioning is complete only after the approved supply, gap voltage, monitor configuration, diagnostics and affected measurement function have passed controlled checks.

Product precautions

Eight aligned controls before return to service

1. Record the complete 330180-X1-05 MOD:145193-01 marking and rack channel.
2. Use the approved safe-work and monitoring-system isolation procedure.
3. Identify the connected probe, extension cable, target and monitor before removal.
4. Do not decode X1 or MOD:145193-01 from the standard AA-BB ordering table.
5. Preserve cable routing, shielding, connector protection and grounding.
6. Verify the installed supply and field-wiring arrangement before reconnection.
7. Restore the documented gap voltage and monitor-channel configuration.
8. Complete a controlled vibration, position or reference-channel acceptance test.

Verified related ApterPower product pages

- Bently Nevada 330101-00-26-05-01-05
- Bently Nevada 330101-00-49-90-12-05
- Bently Nevada 330101-30-63-15-02-CN
- Bently Nevada 330101-00-18-10-02-00

Evidence and support

Manufacturer references, related products and direct contact

Manufacturer evidence used

- Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, document 141194 Revision AN.
- Published 330180-AA-BB Proximitor Sensor family ordering information and installation conditions.
- Installed nameplate and approved special-order record are required for the unresolved X1 and MOD markings.

Verified related ApterPower product pages

Bently Nevada 330102-00-40-10-01-05

Bently Nevada 330102-00-40-05-01-00

Bently Nevada 330103-00-12-10-01-00

Bently Nevada 330180-90-00

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