129716-XXX-032-90-05 MOD:166797-0111

01 / Identity and sensing-chain dashboard

Conductive target — Modified probe — Matched conditioning — Monitoring channel

Offered reference

Bently Nevada 129716-XXX-032-90-05 MOD:166797-0111 is offered as a flexible proximity probe for shaft monitoring. Match the complete modification marking to the installed measuring chain.

Replacement boundary

Keep the full MOD identity together with the installed target, cable arrangement and signal-conditioning equipment.

Base reference	129716
Product series, base design	3300 XL 8 mm
Base probe construction	Flexible proximity probe
Base probe tip diameter	8 mm
Base case thread	3/8-24

Base design information describes 129716; verify the supplied modification against its controlled drawing.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apter Power guide - apply manufacturer instructions and site procedures.

129716-XXX-032-90-05 MOD:166797-0111

02 / Technical relationships

Sensing principle

An eddy-current proximity channel observes a conductive target without contact. The complete matched system supports position and vibration measurements.

Probe role	Sensing end of the measurement chain
Signal conditioning	Separate Proximitor sensor and applicable cable arrangement
Receiving equipment	Monitoring channel matched to the measurement duty

Configuration identification

Full model	129716-XXX-032-90-05 MOD:166797-0111
MOD marking	166797-0111
Base family	3300 XL 8 mm

Limit selection

Use the unit-specific configuration for electrical length, response limits, environmental ratings and approvals. Do not turn a suffix into a numerical specification without its applicable ordering basis.

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03 / Application context

Shaft-relative vibration

A matched proximity channel measures shaft motion relative to the probe mounting. Preserve the target area, mounting rigidity and complete probe-to-monitor chain when replacing this modified unit.

Axial position monitoring

Use the approved thrust-target arrangement and channel setup for axial position measurement. Match installed probe geometry, operating gap and permitted shaft travel before commissioning.

Rotating-machine condition monitoring

Proximity measurements support fluid-film bearing machinery such as turbines and compressors. Select the channel for the actual machine and measurement duty; a common probe family alone does not establish interchangeability.

Phase and speed reference

A compatible proximity channel can observe a suitable shaft feature for phase or speed reference. Verify target geometry, signal response and receiving equipment; overspeed protection requires its own approved system assessment.

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04 / Installation and maintenance decisions

Retain the complete modification

Record 129716-XXX-032-90-05 and MOD:166797-0111 together. Match the supplied marking and controlled configuration before removing the existing probe.

Check mechanical fit

Compare the actual tip, case, thread engagement and lead arrangement with the installed unit. The 129716 base design uses an 8 mm tip and 3/8-24 thread; apply the modification drawing to the supplied version.

Match the complete measuring chain

Check the probe, extension cable if used, Proximitor sensor and monitoring channel as one arrangement. Do not connect the probe directly to an assumed DC power supply or treat system output as a standalone probe rating.

Protect the target and cable

Avoid probe-tip contact with the shaft. Keep the sensing area free of unintended surrounding metal, support the flexible lead and protect connectors against contamination and moisture.

Verify the response before release

Use the applicable installation and site procedures to check gap, target material, channel polarity and response. Retain the approved calibration and alarm configuration; do not derive electrical length from packaging dimensions.

Confirm environmental suitability

Use the actual product marking and approved configuration to confirm temperature, sealing and hazardous-area requirements. A base-family approval option does not establish the certification of every modified assembly.

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05 / Unit review and technical references

Marking and physical review

Request full-model and MOD-marking photos, sensing-tip and connector views, and the applicable configuration drawing. Compare the actual unit with the installed arrangement.

Service planning

Obtain current lifecycle and replacement guidance for the complete modified reference. Keep manufacturer support status separate from seller availability.

Technical basis

Bently Nevada Approvals Quick Reference Guide, 108M1756 Rev. - (05/15); 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN

Other proximity-product references

Bently Nevada 330103-00-05-10-02-00

Bently Nevada 330730-080-00-05

Bently Nevada 330103-07-18-10-02-00

Related portfolio navigation only. These references are not confirmed substitutes, compatible companions or items included with the offered probe.

Replacement acceptance

Preserve the full identity, verify the complete measuring chain and retain the approved response-check results with the machine maintenance record.

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