

FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Bently Nevada 144181-51-05
3300 XL Proximitor sensor



PRODUCT	144181-51-05
THREAD	Panel or DIN mounting
ORDERED LENGTH	5 m system length
APPROVAL	Approval option 05

Prepared by Amikon Limited from official Datasheet 172036 Rev. T. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Thread / mounting	Panel or DIN mounting
Armor / input	A308 aluminum sensor housing
Unthreaded / full scale	5 m system configuration
Case / construction	Proximitor sensor
Cable / system	5 m system length
Connector / output	SpringLoc terminal connections
Approval option	Approval option 05

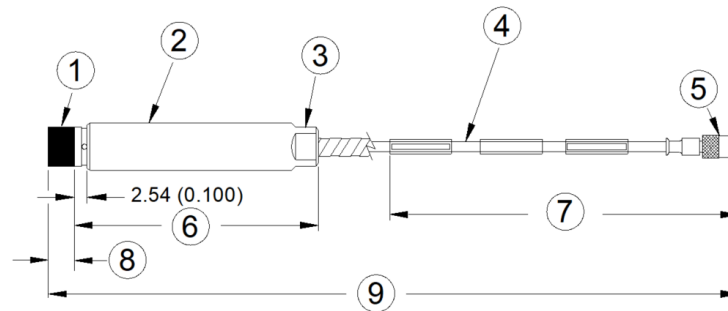
02 MECHANICAL MOUNTING

- Verify the complete order number 144181-51-05 before installation.
- Use the specified Panel or DIN mounting mounting and protect sensing or terminal surfaces.
- Preserve the ordered 5 m system configuration and Proximitor sensor mechanical configuration.
- Do not force the case, cable, connector, terminals, or mounting hardware.
- Confirm compatible system components before commissioning.

MECHANICAL INSTALLATION DRAWING

3300 XL 8 mm Proximity Transducer System
Datasheet

141194 Rev. AM



1. Probe tip, 8 mm (0.31 in) diameter
2. 9.66 mm (0.38 in) maximum diameter
3. 5/16 in wrench flats, 4 each
4. 75Ω cable, 3.68 mm (0.145 in) maximum diameter, 3.94 mm (0.155 in) maximum diameter for FluidLoc cable, 7.67 mm (0.302 in) outside diameter with armor, 10.2 mm (0.4 in) maximum diameter for armor ferrule
5. Miniature male coaxial connector, 7.24 mm (0.285 in) maximum outside diameter "D"
6. Case length "A",
7. 349.3 (13.75) max. distance
8. 6.0 mm (0.235 in) maximum
9. Total length "C", +30%, -0%³

Figure 16: 3300 XL 8 mm Proximity Probes, Smooth Case

330140 and 330197, without armor 7

330141 and 330198, with armor 6

04

CABLE ROUTING AND CONNECTION

- Maintain the ordered 5 m system length configuration.
- Route signal wiring away from high-voltage power conductors.
- Protect cable, connector and terminals from contamination and moisture.
- Do not exceed manufacturer bend-radius or connector-torque limits.
- Verify grounding and hazardous-area requirements before energizing.

05

INITIAL GAP AND SYSTEM CHECKS

- Complete wiring and compatibility checks before commissioning.
- Confirm gap voltage, loop current, or axial position using the official procedure.
- Verify monitor or control-system channel configuration and alarm logic.
- Record the installed order number and measured baseline values.

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CONTROLLED DOCUMENTS

Official datasheet	172036 Rev. T
Product record	144181-51-05
Manufacturer	Baker Hughes / Bently Nevada
Support	INFO@AMIKON.CN