

Bently Nevada 31000-00-00-00-059-03-02

Manufacturer : Bently Nevada

Product No. :31000-00-00-00-059-03-02

Product type : 31000 Proximity Probe Housings

Made in U.S.A

Probe Option, With Connector : 00 = Probe not required

Probe Cable Length Option :00 = Probe cable not required

Standoff Adapter Option : 00=No standoff adapter

Probe Penetration Option : 059=5.9 in

Fittings Option :03= Two plugs, one 3/4-14 NPT fitting One 3/4-14 to 1/2-14 NPT SST reducer

One cable seal grip with grommets for

the following cable sizes:

- 1/8 to 3/16 inches
- 1/4 to 5/16 inches
- 5/16 to 3/8 inches

Mounting Thread Option : 02 = 3/4-14 NPT (Required if ordering Standoff Adapter Option)

Protection Ratings: Type 4X rating certified by Canadian Standards Association (CSA). IP66 rating verified by SC115582-1 (e) 106. CENELEC standard EN50014 rating for electrostatic dissipation of a plastic material located in a hazardous area.

Housing Material: Glass-reinforced Polyphenylene Sulfide (PPS) thermoplastic containing conductive fibers

Sleeve Material and Retaining Chain: AISI 304 stainless steel

Outer Sleeve and Exterior Screws: AISI 303 stainless steel

O-Ring Material: Neoprene®

Housing Impact Strength: Certified by BASEEFA to withstand two separate 4 Joule (3.0 ft • lb) impacts at -39° C (-38° F) and at 115° C (239° F). Samples of the housing and cover were verified by CSA to withstand a 7 Joule (5.2 ft • lb) impact at ambient room temperature.

Temperature Rating: -51° C to +105° C (-60° F to +221° F)

Weight : 1.2 Kg

Probe Pressure

The 31000/32000 Proximity Probe Housing

Assembly is designed to seal differential

pressure between the probe tip and the

housing main body when used with a 3300 XL 8

mm probe. The sealing material internal to the

probe case consists of a Viton O-ring; the O-ring between the sleeve and the housing is a

Neoprene O-ring. The plastic housing is certified to seal against hose-directed water

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according to NEMA 4X and IP66 standards but is not designed to resist internal or external pressure. Probes are not pressure tested prior to shipment. Contact our custom design department if you require a test of the pressure seal for your application.

Protection

Ratings

Type 4X rating certified by Canadian Standards Association (CSA). IP66 rating verified by SC115582-1 (e) 106. CENELEC standard EN50014 rating for electrostatic dissipation of a plastic material located in a hazardous area.

Housing

Material

Glass-reinforced Polyphenylene Sulfide (PPS) thermoplastic containing conductive fibers

Sleeve Material

and Retaining

Chain

AISI 304 stainless steel

Outer Sleeve

and Exterior

Screws

AISI 303 stainless steel

O-Ring

Material Neoprene

Recommended

Torque

(retaining nut)

29.4 N • m (260 in • lb)

Housing

Strength

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(typical)

Outer sleeve was mounted on a test stand with its axis parallel to horizontal and the housing mounted on the outer sleeve through an end hole. The housing supported 912 N (205 lb) placed approximately 38 mm (1.5 inches) from the unsupported end with the cover fastened in place and grounding liner installed.

Housing

Impact

Strength

Certified by BASEEFA to withstand two separate 4 Joule (3.0 ft • lb) impacts at -39° C (-38° F) and at 115° C (239° F). Samples of the housing and cover were verified by CSA to withstand a 7 Joule (5.2 ft • lb) impact at ambient room temperature.

Weight 1.2 kg (2.6 lb) typical

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