

Bently Nevada 31000-16-05-00-100-03-02

Manufacturer : Bently Nevada

Product No. : 31000-16-05-00-100-03-02

Product type : 31000 Proximity Probe Housings

Made in U.S.A

Probe Option, With Connector : 16=3300 XL 8 mm probe

Probe Cable Length Option :05 0.5 m (20 in)

Standoff Adapter Option : No standoff adapter = 00

Probe Penetration Option : 100 = 10 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

Protection

Ratings

Type 4X rating certified by

Canadian Standards Association

(CSA). IP66 rating verified by

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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

(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

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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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