Bently Nevada 21000&24701 Series Service Manual

21000-16-05-00-094-03-02

1. Description

Product Number:21000-16-05-00-094-03-02

3. Product Information

Product Number:21000-16-05-00-094-03-02

Model: Proximity Probe Housing Assemblies

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

21000 - AA-BB-CC-DDD-EE-FF

Ordering Information

Model: 21000 - Proximity Probe Housing Assemblies

Suffix Codes:

Probe Option, with Connector: 16 3300 XL 8 mm probe

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

Standoff Adapter: No standoff adapter = 00

Probe Penetration (Option D Dimension)□094=9.4in

Fittings: -03 One 3/4-14 NPT plug

One 3/4-14 to 1/2-14 NPT 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

02 3/4-14 NPT

Will default to 02 option if C: Option Standoff Adapter Length

option is not 00.

Material

21000 Aluminum body with 304

stainless steel sleeve

Probe

Cable

Length

Maximum (C) +

(D)

with visible probe

(P/N and S/N)

Maximum (C) +

(D) Dimension

0.5 m Not visible 13.5 in (34.3 cm)

1.1 kg (2.4 lb) typical,

without fittings

The 21000 and 24701 Proximity Probe Housing Assemblies

consist of the following parts:

l A dome cover that screws into the body of the housing

l Threaded ports for conduit connections

l A probe sleeve of optional length

l 0-rings

l A reverse mount proximity probe

l A thread seal

l Optional conduit fittings

l An optional standoff adapter

The 21000 and 24701 Proximity Probe Housing Assemblies are

available with Canadian Standards Association (CSA)

approvals. They are rated explosion proof for hazardous

areas.

You can order hazardous area approved proximity probes

with 21000 aluminum and 24701 stainless steel housings for

intrinsically safe applications. Both housings

are certified as CSA Type 4 enclosures and are

fully compliant with the American Petroleum

Institute's (API) 670 Standard for externally

mounted proximity probe housings.

Compliance and

Certifications

FCC

This device complies with part 15 of the

FCC Rules. Operation is subject to the

following two conditions:

l This device may not cause harmful

interference.

l This device must accept any

interference received, including

interference that may cause

undesired operation.

RoHS

RoHS Directive 2011/65/EU

Hazardous Area Approvals

CA housings are certified by CSA for explosion -

proof applications in the following areas:

North

America

Class 1 Divisions 1 and 2 Groups C

and D

Class 2 Divisions 1 and 2 Groups E, F

and G

Circuit is non-incendive when

connected per drawing 140979

Class III

Enclosure Type 4

T5 @ Ta = -50 °C to +40 °C

T4 @ Ta = -50 °C to +80 °C