

INDUSTRIAL AUTOMATION PRODUCT

21000-34-10-20-062-04-02

21000 proximity probe housing assembly

Mechanical support and environmental protection for a reverse-mount proximity-probe signal path

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	21000 Proximity Probe Housing Assembly
Part number	21000-34-10-20-062-04-02
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Housing model	21000
Probe option	3300 XL 8 mm ETR with selectable approvals
Probe cable length	1.0 m (39 in)
Standoff adapter	2.0 in (51 mm)
Probe penetration	6.2 in (157 mm)
Fittings	One 3/4-14 NPT plug
Mounting thread	3/4-14 NPT
Housing material	Aluminum
Probe sleeve material	304 stainless steel
Enclosure type	Type 4
Probe temperature range	-51 to +177 degC

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	3300 XL 8 mm ETR probe
Companion hardware	304 stainless-steel probe sleeve
Field connection	machine-case threaded boss
Primary system function	Sets the engineered probe penetration to 6.2 in (157 mm)
Controlled acceptance duty	Bearing-housing radial vibration

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System Role and Architecture

Mechanical support and environmental protection for a reverse-mount proximity-probe signal path

FUNCTION 1

Sets the engineered probe penetration to 6.2 in (157 mm)

FUNCTION 2

Provides a two-inch standoff for accessible adjustment

FUNCTION 3

Protects the probe lead inside a stainless-steel sleeve

FUNCTION 4

Uses a 3/4-14 NPT machine mounting interface

Matched system components

- 3300 XL 8 mm ETR probe
- 304 stainless-steel probe sleeve
- machine-case threaded boss
- selected conduit and sealing hardware

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	3300 XL 8 mm ETR probe
Companion hardware	304 stainless-steel probe sleeve
Field connection	machine-case threaded boss
Primary system function	Sets the engineered probe penetration to 6.2 in (157 mm)
Controlled acceptance duty	Bearing-housing radial vibration

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Applications and Engineering Context

Bearing-housing radial vibration

Sets the engineered probe penetration to 6.2 in (157 mm)

Thrust-position probe installation

Provides a two-inch standoff for accessible adjustment

Machine-case proximity retrofit

Protects the probe lead inside a stainless-steel sleeve

Externally accessible probe service

Uses a 3/4-14 NPT machine mounting interface

TECHNICAL NOTE

Confirm the full 21000-34-10-20-062-04-02 marking, 6.2 in (157 mm) penetration, two-inch standoff, 3/4-14 NPT mounting and installed probe approval before adjustment and sealing.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	21000-34-10-20-062-04-02 / 21000-34-10-20-062-04-02 recorded
Physical interface	3300 XL 8 mm ETR probe
Companion check	304 stainless-steel probe sleeve
Functional proof	Sets the engineered probe penetration to 6.2 in (157 mm)
Application test	Bearing-housing radial vibration

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Engineering Precautions

1

Verify 21000-34-10-20-062-04-02, the two-inch standoff and 6.2 in (157 mm) penetration before work.

2

Place the monitored machine and protection channel in the approved maintenance state.

3

Preserve the 3/4-14 NPT machine-case thread and housing orientation.

4

Record probe gap, sleeve position, cable route and plug arrangement before removal.

5

Protect the probe tip, sleeve bore, O-rings and sealing surfaces from contamination.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
3300-46-46-04-02-01	Related Bently Nevada product	View 3300-46-46-04-02-01 page
129478-01	Related Bently Nevada product	View 129478-01 page
3300-03-01-00	Related Bently Nevada product	View 3300-03-01-00 page
3300-50-02-01-00-00	Related Bently Nevada product	View 3300-50-02-01-00-00 page
126648-01	Related Bently Nevada product	View 126648-01 page
126615-01	Related Bently Nevada product	View 126615-01 page
3300-20	Related Bently Nevada product	View 3300-20 page
134652-01	Related Bently Nevada product	View 134652-01 page

MANUFACTURER SOURCE RECORD

Bently Nevada 21000, 24701 and 164818 Proximity Probe Housing Assemblies Datasheet

141600 Rev. AC

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