

APTER POWER PRODUCT TECHNICAL REFERENCE

21000-28-05-00-030-04-02

21000 Proximity Probe Housing Assembly

This is a 21000 proximity probe housing assembly that provides a mechanical enclosure and conduit interface for a 3300 XL 8 mm probe installation.

The housing protects the probe connection and presents a controlled mechanical path from the machine casing to the proximity sensing point.

Document field	Value
Manufacturer	Bently Nevada
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

- WHATSAPP / PHONE

+86 180 3023 5313
- EMAIL

sales13@apterpower.com
- WEBSITE

www.apterpower.com



SCAN FOR PRODUCT & QUOTE

21000-28-05-00-030-04-02

1. Product Overview and Identity

This is a 21000 proximity probe housing assembly that provides a mechanical enclosure and conduit interface for a 3300 XL 8 mm probe installation.

The housing protects the probe connection and presents a controlled mechanical path from the machine casing to the proximity sensing point.

Model Configuration

Field	Verified value
Complete model	21000-28-05-00-030-04-02
Manufacturer	Bently Nevada
Product description	21000 Proximity Probe Housing Assembly

Key Features

- Exact product identifier: 21000-28-05-00-030-04-02
- The selected arrangement uses a 3300 XL 8 mm probe, a 0.5 m probe cable, no standoff adapter, a 3.0 in probe penetration, one 3/4-14 NPT plug and a 3/4-14 NPT conduit connection.
- It is used where rotating-equipment monitoring points need a protected probe installation on turbines, compressors, pumps or motors.
- Set the housing and probe penetration as one mechanical stack-up before setting the final probe gap.

2. Technical Specifications

Technical data for 21000-28-05-00-030-04-02 is organized below for engineering review and configuration control.

Parameter	Technical value
Probe family	3300 XL 8 mm
Probe cable	0.5 m
Standoff adapter	None
Probe penetration	3.0 in
Conduit connection	3/4-14 NPT

Configuration Control

Set the housing and probe penetration as one mechanical stack-up before setting the final probe gap.

3. Functions, Applications and Components

Core Function

21000-28-05-00-030-04-02 provides a protected mechanical path for positioning the proximity sensing assembly at the rotating-machine measurement point. Its configuration controls probe support, penetration and cable enclosure.

Application Areas

Application	System role
Radial vibration	21000-28-05-00-030-04-02 supports shaft-motion measurement in the matched proximity loop.
Axial position	The transducer chain can track static movement relative to the probe tip.
Rotating equipment	Typical measurement points occur on turbines, compressors, pumps and motors.
Machinery protection	The conditioned signal is connected to the configured monitor channel.

Compatible Components

- Configured proximity probe
- Specified sleeve or housing interface
- Conduit fitting and plug arrangement
- Machine casing or bracket prepared for the assembly

4. Installation Precautions

- Confirm the complete 21000-28-05-00-030-04-02 housing configuration.
- Measure available depth from the mounting face to the target.
- Assemble fittings and plugs in the specified orientation.
- Set probe penetration before final gap adjustment.

Engineering FAQ - Questions 1 to 4

What engineering function does 21000-28-05-00-030-04-02 perform in its monitoring loop?

21000-28-05-00-030-04-02 provides a protected mechanical path for positioning the proximity sensing assembly at the rotating-machine measurement point. Its configuration controls probe support, penetration and cable enclosure.

Which probe family applies to 21000-28-05-00-030-04-02?

The configured probe family for 21000-28-05-00-030-04-02 is 3300 XL 8 mm.

What probe cable must be checked when specifying 21000-28-05-00-030-04-02?

Use 0.5 m for the probe cable when reviewing this complete model.

How does the standoff adapter selection affect 21000-28-05-00-030-04-02?

This configuration identifies standoff adapter as None; include that value in the installation record.

Manufacturer Technical Source

21000 and 24701 Proximity Probe Housing Assemblies Datasheet 141600