Bently Nevada 21000-34-05-15-029-04-02

01 Establish the machine reference surfaces

1 Record the casing interface

Identify the mounting thread, target surface and any inner housing crossed by the sleeve. Retain the existing probe gap output before disassembly.

2 Compare the selected reach

Check 1.5 in standoff and 2.9 in penetration against the machine drawing. Use the combined 4.4 in envelope for the cable-length drawing check, not as a guessed sleeve part number.

Mechanical reference	Case mounting surface and target location
Electrical reference	Existing matched-chain gap output
Do not confuse	Nominal penetration and actual sensing clearance

Does the connector protector supplied with 21000-34-05-15-029-04-02 replace the enclosure cable-entry seal?

No. The protector and the housing entry perform different functions. Check connector protection inside the assembly and the separate conduit or cable seal at the entry.

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02 Inspect sleeve support and probe freedom

1 Check actual sleeve length

Compare the correct sleeve with the selected probe lead. Verify that the lead reaches the connection freely and that the sensing tip is correctly located.

2 Review vibration sensitivity

Inspect unsupported reach and any required near-tip support. A stable external housing does not by itself prove that a long sleeve is stable at the target.

Sleeve material	304 stainless steel
Probe lead	0.5 m
Support review	Near-tip support required for applicable long reaches

Can a specific hazardous-area approval be inferred from the complete order string of 21000-34-05-15-029-04-02?

The probe selection includes an approval option, but the specific applicable approval must be checked on the supplied probe markings and installation design. Do not infer a particular certificate or CA housing approval from that selection alone.

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03 Assemble the connection enclosure

1 Inspect the sealing surfaces

Check O-rings, the thread seal and cover engagement. Do not use cover force to conceal a trapped cable or misplaced seal.

2 Complete the entry arrangement

The selected fitting option supplies one plug. Verify the separate conduit or cable-entry hardware against the installation design before closure.

Selected fitting	One 3/4-14 NPT plug
Connector protector	Selected
Closure check	Cable free; connector and seals correctly seated

How can the standoff on 21000-34-05-15-029-04-02 affect a replacement decision even when the probe family matches?

It changes the mechanical relationship between the external housing and machine case. Compare standoff, penetration and sleeve support geometry together; an electrically compatible probe does not correct a different mechanical reach.

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04 Set and verify the sensing gap

1 Use the assembled target geometry

Set the electrical gap using the compatible probe/extension/Proximitor chain. Confirm nearby conductive clearances and the required shaft-to-case movement allowance.

2 Test response without changing the calibration chain

Use an approved controlled target or measurement procedure. Do not shorten the calibrated lead to solve a mechanical routing problem.

Check together	Actual target, gap output and mechanical clearance
Keep matched	Probe, extension cable and Proximitor system
Acceptance evidence	Controlled response and restored monitor indication

Why is internal connector clearance important when servicing 21000-34-05-15-029-04-02?

The connector protector occupies space inside the assembly. Check the cable route and cover closure with the actual protected connector installed, rather than assessing fit with a bare connector.

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05 Release the complete mounting arrangement

1 Recheck mechanical stability

Confirm final thread engagement, cover closure, cable-entry completion and required sleeve support after adjustment.

2 Retain distinct identities

Record the housing code and probe marking, including a flag label where used. Keep the final gap and response results with the machine service record.

Housing result	Correct mounting, support and seals
Measurement result	Stable matched-chain response
Handover	Full identities and final settings retained

Other Bently Nevada product references

Bently Nevada 330104-00-05-10-12-05

Bently Nevada 330104-05-12-10-02-00

Bently Nevada 330104-08-12-10-02-00

Separate product references; no substitution or compatibility is implied.