Bently Nevada 76684-040-01

Complete Product Information

The part belongs to an early non-contact eddy-current measurement chain; its exact installed role must be confirmed from the nameplate and retained hardware before replacement.

WHAT THIS PRODUCT DOES

Bently Nevada 76684-040-01 is a legacy 7200 Series proximity-transducer component associated with an 11 mm or 14 mm probe system.

Product characteristic 1

Belongs to the early 7200 proximity-transducer family.

Product characteristic 2

Supports non-contact shaft displacement measurement.

Product characteristic 3

Must remain matched to the installed 11 mm or 14 mm system.

Product characteristic 4

Requires nameplate verification before defining its probe-or-cable role.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Transducer family	Legacy 7200 Series
Associated probe size	11 mm or 14 mm system
Measurement principle	Non-contact eddy current
Typical measurement	Shaft vibration or position

IMPORTANT NOTICE

Record the installed 76684-040-01 interfaces and configuration before removal, then prove the monitored value, status and alarm path after installation.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Transducer family	Legacy 7200 Series
Associated probe size	11 mm or 14 mm system
Measurement principle	Non-contact eddy current
Typical measurement	Shaft vibration or position
Installed role	Confirm probe or matched cable from the existing assembly
Compatibility rule	Use only with the documented 7200 conditioning chain
Field handling	Preserve cable integrity and connector condition
Acceptance method	Gap-voltage and dynamic response verification

FEATURE INTERPRETATION

Product identity

Belongs to the early 7200 proximity-transducer family.

System role

Supports non-contact shaft displacement measurement.

Service context

Must remain matched to the installed 11 mm or 14 mm system.

Return-to-service focus

Requires nameplate verification before defining its probe-or-cable role.

SIGNAL OR CONTROL PATH

Field device → **Product interface** → **System channel** → **Verified response**

Use 76684-040-01 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

PRODUCT-PAGE TECHNICAL QUESTIONS

How is transducer family set on Bently Nevada 76684-040-01?	The documented transducer family is Legacy 7200 Series; confirm it against the installed record.
What associated probe size belongs to Bently Nevada 76684-040-01?	The documented associated probe size is 11 mm or 14 mm system; confirm it against the installed record.
Why verify measurement principle for Bently Nevada 76684-040-01?	The documented measurement principle is Non-contact eddy current; confirm it against the installed record.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Legacy shaft vibration

Maintains an early 7200 radial measurement.

Axial position

Supports non-contact shaft-position monitoring.

Spare identification

Matches an installed part by complete marking.

System restoration

Preserves the original 7200 transducer chain.

APPLICATION VERIFICATION MAP

Legacy shaft vibration	Confirm the documented system position and the required operating function.
Axial position	Compare the restored connection or control path with the approved record.
Spare identification	Check the physical interface and the retained configuration before startup.
System restoration	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link does not establish interchangeability.

APPLICATION QUESTIONS

Why verify measurement principle for Bently Nevada 76684-040-01?	The documented measurement principle is Non-contact eddy current; confirm it against the installed record.
Where is typical measurement used by Bently Nevada 76684-040-01?	The documented typical measurement is Shaft vibration or position; confirm it against the installed record.
What controls installed role on Bently Nevada 76684-040-01?	The documented installed role is Confirm probe or matched cable from the existing assembly; confirm it against the installed record.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the complete 76684-040-01 marking and the documented 7200 series proximity transducer component position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed transducer family, associated probe size and measurement principle before removal.
04	De-energize the associated monitor, sensor supply or field circuit as the procedure requires.
05	Label every connector, conductor and shield before separation.
06	Inspect mating contacts, mounting hardware and cable condition before installation.
07	Restore the retained configuration and verify signal polarity and proportional response.
08	Function-test the complete alarm, indication and shutdown path before returning the machine to service.

FREQUENTLY ASKED TECHNICAL QUESTIONS

How is transducer family set on Bently Nevada 76684-040-01?	The documented transducer family is Legacy 7200 Series; confirm it against the installed record.
What associated probe size belongs to Bently Nevada 76684-040-01?	The documented associated probe size is 11 mm or 14 mm system; confirm it against the installed record.
Why verify measurement principle for Bently Nevada 76684-040-01?	The documented measurement principle is Non-contact eddy current; confirm it against the installed record.
Where is typical measurement used by Bently Nevada 76684-040-01?	The documented typical measurement is Shaft vibration or position; confirm it against the installed record.

IMPORTANT NOTICE	Confirm the complete 76684-040-01 identity and every mating interface before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, document reference and related models

ADDITIONAL TECHNICAL QUESTIONS

What controls installed role on Bently Nevada 76684-040-01?	The documented installed role is Confirm probe or matched cable from the existing assembly; confirm it against the installed record.
How is compatibility rule tested on Bently Nevada 76684-040-01?	The documented compatibility rule is Use only with the documented 7200 conditioning chain; confirm it against the installed record.
Which record preserves field handling for Bently Nevada 76684-040-01?	The documented field handling is Preserve cable integrity and connector condition; confirm it against the installed record.
Which acceptance method applies to Bently Nevada 76684-040-01?	The documented acceptance method is Gap-voltage and dynamic response verification; confirm it against the installed record.

MANUFACTURER DOCUMENT REFERENCE

Manufacturer document	ApterPower product-specific technical reference
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

RELATED MODELS ON APTERPOWER

Bently Nevada 330130-040-00-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330780-50-CN	Related product reference. Compare the required interface and system position.
Bently Nevada 330980-51-CN	Related product reference. Confirm the execution independently for the intended task.

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