Bently Nevada 76684-040-01

Technical Reference

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

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Belongs to the early 7200 proximity-transducer family.

Feature 2

Supports non-contact shaft displacement measurement.

Feature 3

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

Feature 4

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

TECHNICAL DATA 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

SYSTEM RELATIONSHIP

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

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Technical profile

Technical values for the complete product string are arranged below for selection and engineering review.

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

SELECTION ANCHORS

- Belongs to the early 7200 proximity-transducer family.
- Supports non-contact shaft displacement measurement.
- Must remain matched to the installed 11 mm or 14 mm system.
- Requires nameplate verification before defining its probe-or-cable role.

IMPORTANT NOTICE	Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

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.

ADDITIONAL ENGINEERING CHECKS

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.

System role and architecture

Field device → Product interface → System channel → Verified response

APPLICATION POINTS

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.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional result	Record the expected static value, dynamic response and system status.

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

ENGINEERING REVIEW 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.

Engineering checks and acceptance

PRODUCT 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.

RELEASE CHECKS

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

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

APPLICATION BOUNDARIES

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.

Technical questions and related models

MODEL-SPECIFIC 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.
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.

RELATED MODELS ON APTERPOWER

Bently Nevada 330730-080-00-00	Related product reference. Review the complete ordering string before selection.
Bently Nevada 330910-00-11-10-02-05	Related product reference. Compare the required interface and system position.
Bently Nevada 9200-06-05-10-00	Related product reference. Confirm the execution independently for the intended task.

DOCUMENT AND SELECTION RECORD

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.

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