Bently Nevada 3300/21

Technical Reference

Bently Nevada 3300/21 is a legacy plug-in monitoring module for a 3300 machinery-protection rack.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Operates as a plug-in module in the 3300 rack.

Feature 2

Processes the configured machine-monitoring input.

Feature 3

Provides channel status and alarm logic.

Feature 4

Requires restoration of the original rack and field-interface configuration.

TECHNICAL DATA SNAPSHOT

System family	3300 machinery protection
Module format	Plug-in rack monitor
Primary role	Continuous machinery condition monitoring
Signal boundary	Installed transducer and rear I/O interface

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.

System family	3300 machinery protection
Module format	Plug-in rack monitor
Primary role	Continuous machinery condition monitoring
Signal boundary	Installed transducer and rear I/O interface
Alarm function	Configured Alert and Danger logic
Operator interface	Front-panel status and buffered signal access
Replacement rule	Retain rack position, jumpers and channel settings
Acceptance method	Verify input, indication, alarm and relay response

SELECTION ANCHORS

- Operates as a plug-in module in the 3300 rack.
- Processes the configured machine-monitoring input.
- Provides channel status and alarm logic.
- Requires restoration of the original rack and field-interface configuration.

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

How is replacement rule set on Bently Nevada 3300/21?	The documented replacement rule is Retain rack position, jumpers and channel settings; confirm it against the installed record.
What acceptance method belongs to Bently Nevada 3300/21?	The documented acceptance method is Verify input, indication, alarm and relay response; confirm it against the installed record.

System role and architecture

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

APPLICATION POINTS

Legacy rack maintenance

Restores a documented 3300 monitor position.

Continuous protection

Maintains online machine-condition supervision.

Alarm path renewal

Restores Alert and Danger processing.

Signal troubleshooting

Supports front-panel and buffered-output checks.

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 3300/21 only in the documented monitoring chain and verify the complete signal path after controlled replacement.

ENGINEERING REVIEW QUESTIONS

Why verify system family for Bently Nevada 3300/21?	The documented system family is 3300 machinery protection; confirm it against the installed record.
Where is module format used by Bently Nevada 3300/21?	The documented module format is Plug-in rack monitor; confirm it against the installed record.
What controls primary role on Bently Nevada 3300/21?	The documented primary role is Continuous machinery condition monitoring; confirm it against the installed record.
How is signal boundary tested on Bently Nevada 3300/21?	The documented signal boundary is Installed transducer and rear I/O interface; confirm it against the installed record.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

01	Confirm the complete 3300/21 marking and the documented legacy 3300 monitoring module position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, module format and primary role 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 3300/21 identity and every mating interface before installation.

APPLICATION BOUNDARIES

Legacy rack maintenance	Restores a documented 3300 monitor position.
Continuous protection	Maintains online machine-condition supervision.
Alarm path renewal	Restores Alert and Danger processing.
Signal troubleshooting	Supports front-panel and buffered-output checks.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

Why verify system family for Bently Nevada 3300/21?	The documented system family is 3300 machinery protection; confirm it against the installed record.
Where is module format used by Bently Nevada 3300/21?	The documented module format is Plug-in rack monitor; confirm it against the installed record.
What controls primary role on Bently Nevada 3300/21?	The documented primary role is Continuous machinery condition monitoring; confirm it against the installed record.
How is signal boundary tested on Bently Nevada 3300/21?	The documented signal boundary is Installed transducer and rear I/O interface; confirm it against the installed record.
Which record preserves alarm function for Bently Nevada 3300/21?	The documented alarm function is Configured Alert and Danger logic; confirm it against the installed record.
Which operator interface applies to Bently Nevada 3300/21?	The documented operator interface is Front-panel status and buffered signal access; confirm it against the installed record.

RELATED MODELS ON APTERPOWER

Bently Nevada 125720-02	Related product reference. Review the complete ordering string before selection.
Bently Nevada 3500/61 136711-02	Related product reference. Compare the required interface and system position.
Bently Nevada 170180-01-00	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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