

3500/15-05-05-01

3500/15 AC Power Supply Pair

Bently Nevada 3500/15-05-05-01 is a 3500/15 AC Power Supply Pair for the 3500 Machinery Protection System. It provides the documented top and bottom universal-AC rack power positions.

BRAND	Bently Nevada	FAMILY	Bently Nevada 3500 Machinery Protection System
PART	3500/15-05-05-01	SYSTEM ROLE	Provides two universal-AC supply positions

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3500/15-05-05-01

MANUFACTURER SOURCE RECORD

3500/15 AC and DC Power Supplies Datasheet
Baker Hughes publication 141530 Rev. P

Product Overview

SYSTEM FUNCTION

Bently Nevada 3500/15-05-05-01 is a 3500/15 AC Power Supply Pair for the 3500 Machinery Protection System. It provides the documented top and bottom universal-AC rack power positions.

FUNCTION 1

Provides two universal-AC supply positions

FUNCTION 2

Supports redundant rack-power operation

FUNCTION 3

Installs in the designated 3500 rack power slots

FUNCTION 4

Feeds the monitoring-system backplane

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Bently Nevada 3500 Machinery Protection System
Primary interface	Provides two universal-AC supply positions
Engineering context	3500/15-05-05-01 is installed only in the documented Bently Nevada 3500 Machinery Protection System arrangement with its matching host, terminal, cable or field interface. Commissioning preserves the as-found configuration and uses controlled identity, connection, diagnostic and functional checks.
Commissioning duty	Perform controlled channel and protection-path tests before service release.

TECHNICAL NOTE

Before removing 3500/15-05-05-01, record the complete marking, installed position, mating hardware, connectors, wiring and configured channel role. Restore the documented arrangement, review system diagnostics and complete a controlled functional test before release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Complete order number	3500/15-05-05-01	Bottom power supply	Universal AC
Top power supply	Universal AC	Approval	CSA/NRTL/C

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/53	overspeed detection module	View 3500/53 page
3500/72M	reciprocating-rod monitor	View 3500/72M page
330101-00-08-05-02-05	8 mm proximity probe	View 330101-00-08-05-02-05 page
330103-00-04-10-02-00	metric proximity probe	View 330103-00-04-10-02-00 page
330104-00-12-10-02-00	armored proximity probe	View 330104-00-12-10-02-00 page
330105-02-12-10-02-05	reverse-mount probe	View 330105-02-12-10-02-05 page
330130-080-00-00	extension cable	View 330130-080-00-00 page
330180-50-00	Proximitior Sensor	View 330180-50-00 page

ENGINEERING BOUNDARY

Confirm 3500/15-05-05-01, 3500 rack and slot, module and I/O hardware revisions, terminal or port assignments, wiring, grounding, rack firmware, software configuration, associated accessories and controlled diagnostic and protection-test results before commissioning.

Applications and Precautions

Common Applications

3500 rack system integration

Provides the documented top and bottom universal-ac rack power positions.

Machinery protection modernization

Restores an exact rack position while retaining the approved protection strategy.

Rotating-equipment monitoring

Supports configured vibration, position, speed or status information in the rack.

Controlled rack recommissioning

Provides the exact module identity used for diagnostics and functional acceptance.

Product Precautions

- 1

Confirm the complete 3500/15-05-05-01 marking and assigned 3500 rack position.
- 2

Place every affected protection function in the approved maintenance state.
- 3

Record module, I/O and rack hardware revisions before removal.
- 4

Record every configured channel, port, relay or power connection.
- 5

Isolate applicable rack and field energy and observe ESD controls.
- 6

Restore the documented rack slot, wiring and software configuration.
- 7

Review rack, module and communication diagnostics after startup.
- 8

Perform controlled channel and protection-path tests before service release.

IMPORTANT NOTICE

Confirm 3500/15-05-05-01, 3500 rack and slot, module and I/O hardware revisions, terminal or port assignments, wiring, grounding, rack firmware, software configuration, associated accessories and controlled diagnostic and protection-test results before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	3500/15-05-05-01
Configuration	Review rack, module and communication diagnostics after startup.
Functional release	Perform controlled channel and protection-path tests before service release.

Engineer FAQ

Q1 What identity details must be checked before 3500/15-05-05-01 is removed?

Confirm 3500/15-05-05-01, 3500 rack and slot, module and I/O hardware revisions, terminal or port assignments, wiring, grounding, rack firmware, software configuration, associated accessories and controlled diagnostic and protection-test results before commissioning.

Q3 Which Bently Nevada 3500 Machinery Protection System interfaces must be recorded for 3500/15-05-05-01?

3500/15-05-05-01 is installed only in the documented Bently Nevada 3500 Machinery Protection System arrangement with its matching host, terminal, cable or field interface. Commissioning preserves the as-found configuration and uses controlled identity, connection, diagnostic and functional checks.

Q5 How should the installed configuration be restored after fitting 3500/15-05-05-01?

Restore the documented rack slot, wiring and software configuration.

Q7 What replacement records should be retained for 3500/15-05-05-01?

Confirm the complete 3500/15-05-05-01 marking and assigned 3500 rack position. Isolate applicable rack and field energy and observe ESD controls.

Q2 How does 3500/15-05-05-01 perform its documented 3500/15 ac power supply pair role?

Provides two universal-AC supply positions. It provides the documented top and bottom universal-AC rack power positions.

Q4 What isolation and ESD controls apply while handling 3500/15-05-05-01?

Place every affected protection function in the approved maintenance state. Record module, I/O and rack hardware revisions before removal.

Q6 Which diagnostic evidence confirms that 3500/15-05-05-01 is recognized correctly?

Review rack, module and communication diagnostics after startup.

Q8 What final acceptance test is required before 3500/15-05-05-01 returns to service?

Perform controlled channel and protection-path tests before service release.

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