

3500/05-01-02-01-00-01

3500/05 System Rack

Bently Nevada 3500/05-01-02-01-00-01 is a 3500/05 System Rack for the 3500 Machinery Protection System. It houses the 3500 power supplies and monitoring modules in the documented 14-slot EIA rack.

BRAND	Bently Nevada	FAMILY	Bently Nevada 3500 Machinery Protection System
PART	3500/05-01-02-01-00-01	SYSTEM ROLE	Provides fourteen full-size module positions

APTER POWER SALES
TEAM

WHATSAPP / PHONE
+86 180 3023 5313
EMAIL sales13@apterp
ower.com
WEBSITE
www.apterpower.com



3500/05-01-02-01-00-01

MANUFACTURER SOURCE RECORD

3500/05 System Rack Datasheet
Baker Hughes publication 141525 Rev. N

Product Overview

SYSTEM FUNCTION

Bently Nevada 3500/05-01-02-01-00-01 is a 3500/05 System Rack for the 3500 Machinery Protection System. It houses the 3500 power supplies and monitoring modules in the documented 14-slot EIA rack.

FUNCTION 1

Provides fourteen full-size module positions

FUNCTION 2

Accepts the redundant 3500 power-supply arrangement

FUNCTION 3

Supports EIA rack mounting

FUNCTION 4

Carries the system backplane and module interconnects

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Bently Nevada 3500 Machinery Protection System
Primary interface	Provides fourteen full-size module positions
Engineering context	3500/05-01-02-01-00-01 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 3500/05-01-02-01-00-01, 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	3500/05-01-02-01-00-01	Approval	CSA/NRTL Class I, Division 2
Rack size	19-inch, 14-slot	European compliance	CE
Mounting	Full-size EIA rack mount		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
3500/40M	Proximitor monitor	View 3500/40M page
3500/42M	monitor I/O module	View 3500/42M page
130118-0050-02	host-to-rack communication cable	View 130118-0050-02 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

ENGINEERING BOUNDARY

Confirm 3500/05-01-02-01-00-01, 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

Houses the 3500 power supplies and monitoring modules in the documented 14-slot eia rack.

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 3500/05-01-02-01-00-01 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 3500/05-01-02-01-00-01, 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	3500/05-01-02-01-00-01
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 3500/05-01-02-01-00-01 is removed?

Confirm 3500/05-01-02-01-00-01, 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 3500/05-01-02-01-00-01?

3500/05-01-02-01-00-01 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 3500/05-01-02-01-00-01?

Restore the documented rack slot, wiring and software configuration.

Q7 What replacement records should be retained for 3500/05-01-02-01-00-01?

Confirm the complete 3500/05-01-02-01-00-01 marking and assigned 3500 rack position. Isolate applicable rack and field energy and observe ESD controls.

Q2 How does 3500/05-01-02-01-00-01 perform its documented 3500/05 system rack role?

Provides fourteen full-size module positions. It houses the 3500 power supplies and monitoring modules in the documented 14-slot EIA rack.

Q4 What isolation and ESD controls apply while handling 3500/05-01-02-01-00-01?

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 3500/05-01-02-01-00-01 is recognized correctly?

Review rack, module and communication diagnostics after startup.

Q8 What final acceptance test is required before 3500/05-01-02-01-00-01 returns to service?

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

MANUFACTURER SOURCE RECORD

3500/05 System Rack Datasheet
Baker Hughes publication 141525 Rev. N

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



3500/05-01-02-01-00-01