

APTER POWER

COMPLETE PRODUCT INFORMATION

3500/05-01-02-00-00

3500/05 Full-Size System Rack

3500/05 Full-Size System Rack

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500 System

PART

3500/05-01-02-00-00

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Bently Nevada 3500/05-01-02-00-00 provides housing and interconnecting 3500 power, interface and monitoring modules for a documented Bently Nevada 3500 System installation.

-  Full-size 19-inch rack execution
-  Fourteen monitor-module positions
-  Rack mounting to a 19-inch EIA frame
-  Documented 00 agency and reserved options

RELATED APTER POWER PAGES		
 Siemens 6RY1803-0CM20	 Siemens C98043-A7109-L100	 Siemens 6SE7090-0XX87-4AH0
 Siemens C98043-A7106-L1	 Siemens 6RY1803-0DA03	 Siemens C98043-A7106-L4
 Siemens 6RY1803-0DA04	 Siemens 6SL3352-6TE33-8AA3	 Siemens 6RY1803-1DA04

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented host position, connections and approved configuration. Commissioning restores that architecture and verifies the intended function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Product type	3500/05 System Rack	European compliance option	Not specified in supplied model
Rack-size option	01 - 19-inch full-size rack	Power-supply positions	Dedicated positions at the far left of the rack
Module capacity	14 module slots	Rack Interface Module position	Dedicated position adjacent to the power supplies
Mounting option	02 - Rack mount, full-size rack	System function	Mechanical and backplane platform for 3500 power,
Mounting standard	19-inch EIA rack	Half-height support	Available through documented adapter and card-guide
Agency approval option	00 - None	Unused monitor positions	Use the documented full-height or half-height blank
Reserved option	00 - None	Reference publication	3500/05 System Rack Datasheet 141525 Rev. N

RELATED PRODUCT PAGES

- 1

Siemens 6RY1803-0CM20
- 2

Siemens C98043-A7109-L100
- 3

Siemens 6SE7090-0XX87-4AH0
- 4

Siemens C98043-A7106-L1
- 5

Siemens 6RY1803-0DA03
- 6

Siemens C98043-A7106-L4
- 7

Siemens 6RY1803-0DA04
- 8

Siemens 6SL3352-6TE33-8AA3
- 9

Siemens 6RY1803-1DA04

TECHNICAL NOTE

Install 3500/05-01-02-00-00 only in the documented Bently Nevada 3500 System position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and housing and interconnecting 3500 power, interface and monitoring modules before service release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

3500 machinery protection rack

Houses power, interface and monitoring modules in the documented full-size arrangement.

Rack-mounted monitoring cabinet

Installs on approved 19-inch EIA rails with correct support and grounding.

Monitor-system expansion

Provides fourteen positions while preserving dedicated power and interface locations.

Rack replacement commissioning

Restores slot assignments, rear I/O, power distribution and system diagnostics.

PRODUCT PRECAUTIONS

1

Confirm the displayed 3500/05-01-02-00-00 identity and record that the final option is unspecified.

2

Place every affected machinery-protection channel in the approved maintenance state.

3

Record all module, rear-I/O and power-supply positions before work.

4

Verify the full-size 19-inch EIA rack mounting and cabinet support.

5

Keep the power supplies and Rack Interface Module in their dedicated positions.

6

Inspect the backplane, module guides, barriers and blank covers.

7

Restore grounding, rack configuration and communication with every monitor.

8

Complete channel diagnostics and controlled protection-path testing before release.

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ENGINEER FAQ

Q1

How does option 01 define the rack size of Bently Nevada 3500/05-01-02-00-00?

Option 01 identifies the full-size 19-inch rack with fourteen module slots.

Q2

What mounting arrangement does option 02 specify for Bently Nevada 3500/05-01-02-00-00?

Option 02 specifies rack mounting to a 19-inch EIA rack.

Q3

Which agency-approval status is identified by the first 00 segment in 3500/05-01-02-00-00?

The supplied 00 segment specifies no ordered agency approval option.

Q4

What does the reserved second 00 segment mean in 3500/05-01-02-00-00?

The official order structure identifies it as the reserved option set to none.

Q5

Why must the final 00 segment of 3500/05-01-02-00-00 not be used to infer European compliance?

The final European-compliance option is absent and is not inferred.

Q6

Which far-left rack positions are reserved in 3500/05-01-02-00-00?

Power supplies and the Rack Interface Module use dedicated far-left positions.

Q7

Which front modules, rear I/O and protection assignments must be recorded before replacing 3500/05-01-02-00-00?

Record every front module, rear I/O, power connection, rack setting and protection-channel assignment.

Q8

Which rack-communication, module-diagnostic and protection-path tests confirm acceptance of 3500/05-01-02-00-00?

Verify rack communication, all module diagnostics and controlled tests of every affected protection path.

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SOURCE

Bently Nevada 3500/05 System Rack Datasheet 141525 Rev. N | Baker Hughes official family and option-code data, 2025

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