Bently Nevada 3500/05-02-04-00-00-01

COMPLETE PRODUCT INFORMATION

Bently Nevada 3500/05-02-04-00-00-01 is a panel-mounted 3500 System mini-rack with seven available monitor-module positions. It houses the system power supplies and rack interface in dedicated left-hand positions, with rear access to I/O modules and wiring.

Exact ordering interpretation

3500/05	3500 System Rack
02 rack size	12-inch mini-rack; seven module slots
04 mounting	Panel mount, mini-rack
00 agency option	None
00 reserved option	None
01 European compliance	CE

Rack relationship

Panel opening	Rack assembly	3500 modules
Clamp-mounted mini-rack with rear service access	Left-side power/interface plus seven module positions	Installed monitors and rear I/O for the configured channels

Compact monitoring cabinets

Mount a seven-position 3500 monitoring assembly in a panel cutout with rear service access.

Panel-integrated protection systems

Bring power, rack interface and selected monitoring modules into the documented mini-rack arrangement.

3500 rack replacement

Restore the recorded slot map, module identities and rear I/O connections during a planned rack change.

Mini-rack engineering reviews

Check software version, display mounting and any internal-barrier earthing before configuring the assembly.

Rack function

The rack brings the monitoring modules and their power supplies together so the modules can communicate and receive system power. Plan the slot map, rear I/O access and panel installation as one assembly; the available monitor positions do not include the dedicated power-supply and interface locations.

Important Notice

The 00 agency code specifies no agency approval; the separate 01 European-compliance code specifies CE. Internal barriers are not selected by the reserved 00 field, and any barrier installation requires its own earthing and slot review.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

Rack architecture

Product Family	3500 machinery monitoring system
Rack Execution	12-inch mini-rack
Available Module Slots	7
Mounting Format	Panel mount, mini-rack
Panel Attachment	Clamps supplied with the rack
I/O and Wiring Access	Rear of rack
Power Supply Location	Dedicated far-left rack positions
Rack Interface Location	Dedicated far-left rack position
System Role	Mounts modules and power supplies; supports module communication and power distribution

Panel attachment

The panel version fits a rectangular cutout and uses the supplied clamps. Use the mini-rack panel-mount drawing when preparing the cabinet.

Options and engineering restrictions

Agency Approval Option	00 = None
Reserved Option	00 = None
European Compliance Option	01 = CE
Configuration Software	3500/01 Version 2.70 or later for mini-rack
EIA Installation Accessory	144863-01 19-inch EIA adapter panel required when using mini-rack in an EIA rack
System Display Restriction	3500/93 A01 system face-mount option is incompatible with mini-rack
Internal Barrier Earthing	If internal barriers are installed, 3500/04-01 earthing module requires a dedicated rack position
Bulkhead Format	Not available for mini-rack

Rear interface access

Keep rear wiring and I/O modules serviceable after the cabinet is assembled. Review cable routing, rear covers and nearby equipment together.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

01 / Rack identity

Confirm the 02 rack-size and 04 panel-mount selections before preparing the cabinet opening.

02 / Rear access

Keep rear access to wiring and I/O modules; this execution is not a front-access bulkhead rack.

03 / Left-side positions

Reserve the far-left positions for the power supplies and rack interface module.

04 / Monitor allocation

Count seven available monitor positions and review the actual module allocation before transfer.

05 / Software

Use 3500/01 configuration software Version 2.70 or later with the mini-rack.

06 / Display mounting

Do not fit the incompatible 3500/93 A01 system face-mount display arrangement.

07 / Barrier earthing

If internal barriers are installed, provide the required 3500/04-01 IS earthing module and its dedicated position.

08 / Approval identity

Treat the 00 agency option and 01 CE option separately; do not inherit a hazardous-area approval from another rack.

Acceptance checkpoints

Identity	All five option groups and installed rack identification agree
Mechanical	Panel attachment is secure; rear service access remains usable
Configuration	Slot map, module list and software version are recorded
System check	Installed modules communicate and receive power as designed
Release	Machine-specific functional acceptance is complete

System context

The correct rack is one component of the installed protection system. Use the power-supply, interface, monitor and I/O documentation for their respective voltage, wiring, channel and configuration requirements.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

How many monitoring positions does 3500/05-02-04-00-00-01 provide?

Seven. The mini-rack has seven available module slots in addition to the dedicated power-supply and rack-interface positions at the far left.

What does mounting code 04 mean in 3500/05-02-04-00-00-01?

It selects panel mounting for the mini-rack. The panel version fits a rectangular cutout and is secured by clamps supplied with the rack.

Can all wiring on 3500/05-02-04-00-00-01 be serviced from the front?

No. Its panel-mount format provides rear access to I/O modules and wiring. The front-access bulkhead format is not available for the mini-rack.

Which software version is required for 3500/05-02-04-00-00-01?

The mini-rack requires 3500/01 Version 2.70 or later. Check the engineering workstation version before configuring the installed system.

Related-product selection

Related racks and accessories are portfolio references, not a statement of interchangeability or included delivery. Compare full rack size, mounting and approval codes, and match any accessory to its documented role in the intended assembly.

Related Bently Nevada models

Bently Nevada 3500/05-02-05-00-00-01	Related rack or service component; verify intended role
Bently Nevada 3500/05-01-02-00-00-01	Related rack or service component; verify intended role
Bently Nevada 3500/05-01-01-01-00-01	Related rack or service component; verify intended role
Bently Nevada 3500/05-01-02-01-00-00	Related rack or service component; verify intended role

Required documents

Technical Reference	Option codes, architecture, restrictions and service components
Installation & Commissioning Guide	Panel, module map, access, configuration and acceptance
Complete Product Information	Combined product role, data, precautions and FAQ

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

Does 3500/05-02-04-00-00-01 accept a 3500/93 A01 face-mounted display?

No. The 3500/93 A01 system face-mount option is incompatible with the 3500/05 mini-rack.

What changes when internal barriers are installed in 3500/05-02-04-00-00-01?

A 3500/04-01 Internal Barrier Earthing Module must provide the IS Earth connection and occupy a dedicated rack position. Review the internal-barrier documentation and revise the slot allocation.

Does CE in 3500/05-02-04-00-00-01 mean hazardous-area approval is included?

No. The final 01 specifies CE European compliance, while the separate agency-approval field is 00, meaning none.

What is needed if 3500/05-02-04-00-00-01 is installed in an EIA rack?

The mini-rack requires a 144863-01 19-inch EIA Adapter Panel when used in an EIA rack. Confirm the intended mounting arrangement rather than treating the panel-mount unit as a full-size rack.

Related Bently Nevada models

Bently Nevada 130768-01	Related rack or service component; verify intended role
Bently Nevada 125388-01	Related rack or service component; verify intended role
Bently Nevada 125565-01	Related rack or service component; verify intended role
Bently Nevada 3500/05-01-02-00-00	Related rack or service component; verify intended role

Full-height blank position components

130768-01	Full-height blank monitor cover kit
130944-01	Full-height monitor blank front panel in the kit
128031-01	I/O module cover in the full-height kit

Manufacturer evidence

141525 Rev. N: rack roles, module positions and rear-access panel format p. 1; mini-rack restrictions, software and ordering options p. 3; rack accessories and document identifiers p. 4; mini-rack EIA adapter arrangement p. 7. Published product data and suggested site inspection steps are distinguished in this ApterPower reference. Use Rack Installation and Maintenance Manual 129766-01 and Field Wiring Diagrams 130432-01 for the installed assembly.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com