

INDUSTRIAL MACHINERY MONITORING PRODUCT

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

3500/05 Full-Size Panel-Mount System Rack

Bently Nevada 3500/05-01-01-01-00-01 is a 19-inch full-size 3500 System rack with 14 monitor-module slots, panel mounting, CSA/NRTL/C Class I Division 2 approval and CE compliance. Wiring and I/O modules are accessed from the rear.

IDENTITY	VERIFIED VALUE	TRADE	VERIFIED VALUE
Manufacturer	Bently Nevada	Country of origin	USA
Model	3500/05-01-01-01-00-01	HS code	8537101190
Product	3500/05 Full-Size Panel-Mount System Rack	Ship from	Xiamen, Fujian, China
Family	3500 Machinery Protection System	Dimensions	48.26x34.925x26.594cm

DOCUMENT SCOPE

Exact model identity, supported configuration data, installation checks, applications, precautions and controlled acceptance records.

MODEL-SPECIFIC ENGINEERING NOTE

Mount 3500/05-01-01-01-00-01 in the documented panel cutout with the supplied clamps. Reserve the far-left positions for the power supplies and rack interface module, then verify rear access and the applicable hazardous-area installation drawing.

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

Verified Product Record

PARAMETER	VERIFIED VALUE
Country of origin	USA
HS code	8537101190
Ship from	Xiamen, Fujian, China
Estimated shipping dimensions	48.26x34.925x26.594cm
Rack size	19-inch full-size
Monitor-module slots	14
Mounting	Panel mount
Wiring access	Rear
Agency approval	CSA/NRTL/C Class I, Division 2
Reserved option	None
European compliance	CE
Rack width	482.60 mm
Rack height	265.94 mm
Standard depth	349.25 mm

Installation Boundary

ENGINEERING BOUNDARY

Mount 3500/05-01-01-01-00-01 in the documented panel cutout with the supplied clamps. Reserve the far-left positions for the power supplies and rack interface module, then verify rear access and the applicable hazardous-area installation drawing.

CHECK	REQUIRED RECORD
Identity	3500/05-01-01-01-00-01
Installed arrangement	Position, mating hardware, cable and termination
Configuration	Associated module or monitor channel
Acceptance	Diagnostics and controlled functional proof

SOURCE BOUNDARY

Baker Hughes / Bently Nevada publication 141525 Rev. N. Apply only the exact ordering-code values shown in this document and verify the installed marking before work.

System Role and Verification

Bently Nevada 3500/05-01-01-01-00-01 is a 19-inch full-size 3500 System rack with 14 monitor-module slots, panel mounting, CSA/NRTL/C Class I Division 2 approval and CE compliance. Wiring and I/O modules are accessed from the rear.

IDENTITY

Record 3500/05-01-01-01-00-01 from the physical marking.

INTERFACE

Document every mating part, connector and cable before disturbance.

CONFIGURATION

Confirm the associated system and channel using manufacturer records.

ACCEPTANCE

Restore the documented arrangement and prove operation before release.

Controlled Installation Checklist

NO.	CHECK
1	Confirm the complete 3500/05-01-01-01-00-01 order code before installation.
2	Prepare the full-size panel cutout to the manufacturer's dimensional figure.
3	Use the supplied panel clamps and maintain rear access for I/O modules and wiring.
4	Keep the power supplies and rack interface module in the required far-left positions.
5	Install the Class I Division 2 configuration only to the cited manufacturer drawing and site requirements.
6	Add a 3500/04-01 earthing module and dedicated position if internal barriers are installed.
7	Check module, power-supply and backplane compatibility before populating the rack.
8	Verify grounding, communication and every protection channel before service release.

Applications and Model-Specific FAQ

CENTRAL MACHINERY-PROTECTION RACK

Houses 3500 monitor modules and power supplies in one full-size system chassis.

PANEL-MOUNTED CONTROL CABINET

Secures to a rectangular panel cutout while retaining rear wiring access.

MULTI-MONITOR INSTALLATIONS

Provides fourteen positions for supported monitoring modules after the fixed interface positions.

CLASS I DIVISION 2 SYSTEMS

Supports the documented CSA/NRTL/C ordering option when installed to the applicable drawing.

QUESTION	ANSWER
How is 3500/05-01-01-01-00-01 mounted?	Its mounting code is 01, specifying the full-size panel-mount option secured to a rectangular cutout with supplied clamps.
How many monitor positions does 3500/05-01-01-01-00-01 provide?	The 19-inch full-size rack provides fourteen available monitor-module slots.
Where must the interface hardware be placed in 3500/05-01-01-01-00-01?	The power supplies and the rack interface module occupy the far-left rack positions.
From which side is field wiring reached on 3500/05-01-01-01-00-01?	Panel-mount wiring connections and I/O modules are accessible from the rear.
Which approval is encoded by the third 01 in 3500/05-01-01-01-00-01?	It specifies the CSA/NRTL/C Class I, Division 2 agency-approval option.
What does the final 01 mean on 3500/05-01-01-01-00-01?	The E option 01 specifies CE European compliance.
When does 3500/05-01-01-01-00-01 need a 3500/04-01 earthing module?	It is required when internal barriers are installed, and it consumes a dedicated rack position.
Which dimensional record should be kept for 3500/05-01-01-01-00-01 commissioning?	Retain the panel cutout, clamp installation, rack width and depth, rear-clearance and populated-slot layout from the official rack figures.

Precautions and Related Products

NO.	PRECAUTION
1	Confirm the complete 3500/05-01-01-01-00-01 order code before installation.
2	Prepare the full-size panel cutout to the manufacturer's dimensional figure.
3	Use the supplied panel clamps and maintain rear access for I/O modules and wiring.
4	Keep the power supplies and rack interface module in the required far-left positions.
5	Install the Class I Division 2 configuration only to the cited manufacturer drawing and site requirements.
6	Add a 3500/04-01 earthing module and dedicated position if internal barriers are installed.
7	Check module, power-supply and backplane compatibility before populating the rack.
8	Verify grounding, communication and every protection channel before service release.

Related Bently Nevada Products on Apter Power

MODEL	RELATION	APTER POWER PAGE
125680-01	Bently Nevada machinery-monitoring component	View 125680-01
125704-01	Bently Nevada machinery-monitoring component	View 125704-01
125720-01	Bently Nevada machinery-monitoring component	View 125720-01
125728-01	Bently Nevada machinery-monitoring component	View 125728-01
125736-01	Bently Nevada machinery-monitoring component	View 125736-01
125760-01	Bently Nevada machinery-monitoring component	View 125760-01
126615-01	Bently Nevada machinery-monitoring component	View 126615-01
126632-01	Bently Nevada machinery-monitoring component	View 126632-01

MANUFACTURER SOURCE RECORD

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

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