

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

3500/05 19-Inch Panel-Mount System Rack

Product identification

Bently Nevada 3500/05-01-01-01-00-01 is a 19-inch, 14-slot panel-mount 3500 System rack with CSA/NRTL/C Class I Division 2 approval and CE compliance.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	3500/05-01-01-01-00-01
Product Family	3500 System
Product Type	System Rack

Technical specifications

Parameter	Verified value
Rack size	19-inch full-size rack
Available monitor positions	14
Mounting option	Panel mount
Agency approval	CSA/NRTL/C, Class I Division 2
Reserved option	None
European compliance	CE
Power-supply position	Far left
Interface-module position	Adjacent to power supplies
Full-size rack width	482.60 mm (19.000 in)
Mounting width	441.96 mm (17.400 in)
Rack depth	349.25 mm (13.750 in)
Depth with internal barriers	422.91 mm (16.650 in)
Panel cutout width	452.1 +/- 1.5 mm
Panel cutout height	251.5 +/- 1.5 mm
EMC	EN 61000-6-2 and EN 61000-6-4
Electrical safety	EN 61010-1
Maritime references	DNV GL and ABS rules listed in Datasheet 141525

Product overview

3500/05-01-01-01-00-01 is the full-size panel-mount rack configuration for the Bently Nevada 3500 machinery protection system. It provides fourteen monitor positions after the fixed power-supply and rack-interface positions at the left side.

The ordering code selects a 19-inch rack, panel-mount construction, CSA/NRTL/C Class I Division 2 approval, no reserved option and CE compliance. The backplane distributes power and internal communications to the installed 3500 modules.

This rack forms the mechanical and electrical platform for a configured protection system in control panels and equipment cabinets. Module layout, power supplies, interface hardware, barriers and panel cutout must be engineered as one documented assembly.

Applications

- Builds a centralized 3500 rack for continuous protection of turbines, compressors, motors and generators.
- Supports panel-mounted machinery monitoring in control rooms and packaged equipment cabinets.
- Provides the chassis platform for mixed vibration, position, temperature, speed and relay modules.

Rack Architecture

- Power supplies and the rack interface module occupy the dedicated positions at the far left.
- Fourteen remaining full-size positions accept compatible 3500 monitoring and relay modules.
- The backplane provides the internal power and data path between installed rack components.

Compatibility & Interoperability

- Full-size 3500 modules use the standard rack positions documented for the system.
- Internal barriers require the 3500/04-01 earthing module and consume a dedicated position.
- The selected panel-mount chassis must be matched to the recommended cutout dimensions.

Certifications & Standards

- The 01 approval code selects CSA/NRTL/C Class I Division 2 suitability when installed as documented.
- The final 01 field selects CE compliance for the rack configuration.
- EMC and electrical-safety references include EN 61000-6-2, EN 61000-6-4 and EN 61010-1.

High-risk technical note

3500/05-01-01-01-00-01 reserves the far-left positions for power supplies and the rack interface; do not insert monitor modules into those locations.

Request a quotation
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Exact model
3500/05-01-01-01-00-01
3500 System



Manufacturer source

<https://dam.bakerhughes.com/m/24f250cfa513638e/original/3500-05-System-Rack-Datasheet-141525-pdf.pdf>

Source technical meaning is unchanged. This web edition is organized for exact-model identification and quotation support.