3500/05 System Rack

Datasheet

Cordant™

141525 Rev. N



Description

Use the Bently Nevada™ 3500 System rack to mount all 3500 monitor modules and power supplies. The rack allows you to place 3500 modules near one another, enabling them to easily communicate, and to mount power supplies necessary to distribute power to each module.

3500 racks are available in two sizes:

Full-size rack. 19-inch EIA rack with 14 available module slots.

Mini-rack. 12-inch rack with seven available module slots.

You can order 3500 racks in three formats:

Panel mount. This rack format mounts to rectangular cut-outs in panels, and secures to the panel using clamps supplied with the rack. Wiring connections and I/O modules are accessible from the rear of the rack.

Rack mount. This rack format mounts the 3500 Rack on 19-inch EIA rails. Wiring connections and I/O modules are accessible from the rear of the rack.

Bulkhead mount. This rack format mounts the rack against a wall or panel when it is not possible to access the rear of the rack. Wiring connections and I/O modules are accessible from the front of the rack. The 3500/05 Mini-Rack is not available in this format.

The power supplies and rack interface module must occupy the far-left rack positions. The remaining 14 rack positions (seven rack positions for the mini-rack) are available for any combination of modules.

If you plan to install internal barriers in the 3500 rack, consult *Specifications and Ordering Information for 3500 Internal Barriers* (document 141495) available from Bently.com.

Baker Hughes

Ordering Considerations

Racks with Internal Barriers installed require a 3500/04-01 Internal Barrier Earthing Module to provide the IS Earth connection to the 3500/05 rack. This earthing module requires a dedicated rack position.

The 3500/93 System Display A01 System Face Mount option is incompatible with the 3500/05 Mini-rack.

The 3500/05 mini-rack is not available in the Bulkhead Mount option.

The 3500/06 weatherproof housing is not compatible with the 3500/05 Bulkhead Mount option.

When using a 3500 mini-rack in an EIA rack, a 144863-01 19-inch EIA Adapter Panel is required.

The 3500 mini-rack requires Version 2.70 or later of the 3500/01 Software.

Ordering Information

For the detailed listing of country and product-specific approvals, refer to the *Approvals Quick Reference Guide (108M1756)*.

For additional technical documentation, please log in to bntechsupport.com and access the Bently Nevada Media Library.

Product Description

3500/05-AA-BB-CC-DD-EE

A: Rack Size	
01	19-inch Rack (14 module slots)
02	12-inch Mini-Rack (7 module slots)
B: Mounting Options	
01	Panel Mount Option, Full-Size Rack
02	Rack Mount Option, Full-Size Rack (mounts to 19-inch EIA Rack)
03	Bulkhead Mount Option (not available in Mini-Rack)
04	Panel Mount Option, Mini-Rack
05	Rack Mount Option, Mini-Rack
C: Agency Approval Option	
00	None
01	CSA/NRTL/C (Class 1, Division 2)
02	ATEX/IECEx/CSA (Class 1, Zone 2)
D: Reserved	
00	None
E: European Compliance Option	
01	CE

Spares

Part Number	Description
Half-height Module Adapter	
125388-01	Half-height module Internal Chassis (qty 1)
125565-01	Half-height Module Card Guide (qty 1)
04300111	Screws for half-height Module Internal Chassis (qty 3)
Power Supply Blank Cover Kit	
131150-01	Power Supply Blank Front Panel (qty 1, includes screws)
128085-01	Power Supply Input Connector Cover (qty 1) Order part 04310251 for screws.
04310251	Screws for Power Supply Input Cover (qty 2)

Part Number	Description
Full-height Blank Monitor Cover Kit Order as 130768-01. Includes:	
130944-01	Full-height Monitor Blank Front Panel (qty 1, includes screws)
128031-01	I/O Module Cover (qty 1) Order part 04310251 for screws.
04310251	Screw for I/O Module Cover (qty 2)
Half-height Blank Monitor Cover Kit	
131151-01	Half-height Blank Front Panel Cover (qty 1, includes screws)
Miscellaneous Components	
00561941	TMR/SIM jumper (installed on the 3500 backplane)
144863-01	Adapter Panel, Mini-rack, 19-inch
129766-01	Rack Installation and Maintenance Manual
130432-01	Field Wiring Diagrams