

125388-01

Half-height Module Internal Chassis

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 125388-01 is the Half-height module Internal Chassis identified in the 3500/05 System Rack spare-parts list. It supports the documented rack hardware arrangement during assembly or maintenance.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Bently Nevada article.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm the complete 125388-01 marking and the intended half-height adapter position.
- 2

Place the 3500 rack and associated protection channels in the approved maintenance state.
- 3

Isolate rack power according to the installed redundancy procedure.
- 4

Record all removed module positions, guides and fasteners before dismantling.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	125388-01
Host / carrier	Bently Nevada 3500/05 System Rack
Primary system role	Forms the half-height adapter's internal chassis
Acceptance boundary	Energize under control and verify recognition and diagnostics for every affected slot.
Source record	3500/05 System Rack Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Verify 125388-01 against the 3500/05 rack service record before installation. Preserve the associated rack hardware, alignment and fastening arrangement, then inspect the completed assembly before modules are returned to service.

- 1

Protect the backplane, connectors and adjacent card guides from impact or debris.
- 2

Use the documented 125565-01 guide and 04300111 screw set with the adapter.
- 3

Check alignment and unobstructed module insertion before restoring monitor modules.
- 4

Energize under control and verify recognition and diagnostics for every affected slot.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm 125388-01, the 3500/05 rack execution, half-height adapter position, 125565-01 card guide, 04300111 screws, adjacent modules, backplane condition, fastening, grounding and affected-channel diagnostics before release.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	125388-01
Host match	Bently Nevada 3500/05 System Rack
Connection proof	Use the documented 125565-01 guide and 04300111 screw set with the adapter.
Configuration proof	Check alignment and unobstructed module insertion before restoring monitor modules.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Energize under control and verify recognition and diagnostics for every affected slot.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

Half-height monitor adapter assembly

Rebuilds the internal chassis portion of the documented adapter.

3500 rack refurbishment

Supports controlled restoration of a rack fitted for half-height hardware.

Module-position repair

Restores the physical carrier structure without changing monitor configuration.

Planned rack hardware maintenance

Provides exact part identity for an inspected and documented service activity.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
3500/15	133292-01 power supply	View 3500/15 page
3500/22M	288055-01 data interface	View 3500/22M page
3500/25	enhanced Keyphasor module	View 3500/25 page
3500/33	149986-01 relay module	View 3500/33 page
3500/40M	176449-01 proximity monitor	View 3500/40M page
3500/42M	176449-02 seismic monitor	View 3500/42M page
3500/45	176449-04 position monitor	View 3500/45 page
3500/50	tachometer module	View 3500/50 page

MANUFACTURER SOURCE RECORD

3500/05 System Rack Datasheet
Baker Hughes document 141525 Rev. N, 2025

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