

3500/15 129486-01

Legacy High Voltage DC Power Supply Module

The module converts the documented high-voltage DC input into the rack power used by installed 3500 modules.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

Bently Nevada 3500 Machinery Protection Sy

PART

3500/15 129486-01

ORIGIN / HS

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PRODUCT OVERVIEW

The module converts the documented high-voltage DC input into the rack power used by installed 3500 modules.

- 1 Provides the documented Legacy High Voltage DC Power Supply Module function
- 2 Maintains the engineered signal or power path
- 3 Integrates with the specified host and companion hardware
- 4 Supports controlled diagnostics and functional verification

SYSTEM COMPONENTS

Documented host position and companion hardware

Approved field or control wiring arrangement

Recorded connector, shield and grounding system

Configured monitor, controller or protection channel

TECHNICAL NOTE

Install 3500/15 129486-01 only in the documented Bently Nevada 3500 Machinery Protection System position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

TECHNICAL DATA

PARAMETER	VALUE
Complete catalog number	3500/15 129486-01
Module part number	129486-01
Input voltage	88 to 140 V DC
Full-rack current	2.5 A maximum
Rack slots	Two half-height slots
Rack position	Left side of 3500 rack

PARAMETER	VALUE
Status indication	OK LED
Redundant installation	Supported
Minimum rack load	None
Operating temperature	-30 to +65 degC
Storage temperature	-40 to +85 degC
Relative humidity	95% non-condensing

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 page
330171-00-12-05-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-33-50-01-05 page
330171-00-08-10-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-08-10-01-05 page
330172-00-08-10-01-05	3300 XL 5/8 mm armored proximity probe	View 330172-00-08-10-01-05 page
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-12-10-02-00 page
330103-00-16-10-02-05	3300 XL 8 mm metric proximity probe	View 330103-00-16-10-02-05 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Bently Nevada 3500 Machinery Protection System installed-base

Provides the documented Legacy High Voltage DC Power Supply Module function

Bently Nevada 3500 Machinery Protection System compatibility review

Maintains the engineered signal or power path

Bently Nevada 3500 Machinery Protection System installation planning

Integrates with the specified host and companion hardware

Bently Nevada 3500 Machinery Protection System controlled

Supports controlled diagnostics and functional verification

PRODUCT PRECAUTIONS

- 1 Verify the complete 3500/15 129486-01 marking and installed position before work.
- 2 Place the connected equipment in the approved maintenance state.
- 3 Isolate applicable power and signal energy before disconnecting wiring.
- 4 Use ESD controls and protect connectors from contamination or damage.
- 5 Record as-found cable, terminal, shield and grounding identity.
- 6 Restore only the approved system configuration for this exact catalog number.
- 7 Inspect mechanical mounting and cable support before energization.
- 8 Complete controlled diagnostics and a functional response test before release.

ENGINEER FAQ

Q1 Does 3500/15 129486-01 match Documented host position and companion hardware in a Bently Nevada 3500 Machinery Protection System installed-base service installation?

Verify the complete 3500/15 129486-01 marking, the documented Bently Nevada 3500 Machinery Protection System position and the installed Documented host position and companion hardware before fitting the assembly.

Q3 Which Bently Nevada 3500 Machinery Protection System records should be captured before removing 3500/15 129486-01?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 3500/15 129486-01 before disconnection.

Q5 Which Approved field or control wiring arrangement condition should be checked when 3500/15 129486-01 reports an abnormal state?

Check the Approved field or control wiring arrangement supply, seating and connection first, then compare channel diagnostics with the recorded 3500/15 129486-01 baseline.

Q7 What maintenance evidence is required after 3500/15 129486-01 is used for Bently Nevada 3500 Machinery Protection System installation planning?

Retain the nameplate record, corrective action, final diagnostics and a controlled bently nevada 3500 machinery protection system installation planning functional-test result for 3500/15 129486-01.

Q2 How should 3500/15 129486-01 be wired when it must provides the documented legacy high voltage dc power supply module function?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 3500/15 129486-01; then continuity-test the affected path.

Q4 What controlled test confirms that 3500/15 129486-01 can maintains the engineered signal or power path?

Apply the approved field or simulated stimulus, observe the Bently Nevada 3500 Machinery Protection System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 3500/15 129486-01 be moved directly into Bently Nevada 3500 Machinery Protection System compatibility review without validating Configured monitor, controller or protection channel?

No. Confirm the Configured monitor, controller or protection channel, revision, connection scheme and Bently Nevada 3500 Machinery Protection System configuration before transferring 3500/15 129486-01 to that duty.

Q8 How should 3500/15 129486-01 be returned to service in Bently Nevada 3500 Machinery Protection System controlled commissioning?

Restore power under control, verify integrates with the specified host and companion hardware, exercise the intended signal path and release 3500/15 129486-01 only after the Bently Nevada 3500 Machinery Protection System remains in its approved operating state.

SOURCE Bently Nevada 3500/15 AC and DC Power Supplies Datasheet | 141530 Rev. P

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