

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 Machinery Protection System
Part number	3500/15 129486-01
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL 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
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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented Legacy High Voltage DC Power Supply Module function
Controlled acceptance duty	Bently Nevada 3500 Machinery Protection System installed-base service

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System Role and Architecture

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

FUNCTION 1
Provides the documented Legacy High Voltage DC Power Supply Module function

FUNCTION 2
Maintains the engineered signal or power path

FUNCTION 3
Integrates with the specified host and companion hardware

FUNCTION 4
Supports controlled diagnostics and functional verification

Matched 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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented Legacy High Voltage DC Power Supply Module function
Controlled acceptance duty	Bently Nevada 3500 Machinery Protection System installed-base service

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Applications and Engineering Context

Bently Nevada 3500 Machinery Protection System installed-base service

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 commissioning

Supports controlled diagnostics and functional verification

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	3500/15 129486-01 / 3500/15 129486-01 recorded
Physical interface	Documented host position and companion hardware
Companion check	Approved field or control wiring arrangement
Functional proof	Provides the documented Legacy High Voltage DC Power Supply Module function
Application test	Bently Nevada 3500 Machinery Protection System installed-base service

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Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER 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
330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	View 330106-05-30-05-02-00 page
330130-045-00-00	3300 XL standard extension cable	View 330130-045-00-00 page
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv Proximitior Sensor	View 330850-50-00 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

MANUFACTURER SOURCE RECORD

Bently Nevada 3500/15 AC and DC Power Supplies Datasheet

141530 Rev. P

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