Bently Nevada 3500 Series Service Manual

3500/15 133292-01

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 3500/15 133292-01

Product type : Low Voltage Dc Power Supply Module

Made in U.S.A

Low Voltage DC

Description

This option uses the Low
Voltage DC Power Supply and
the Low Voltage DC Power
Supply Input Module (PIM).

Input
voltage 20 to 30 Vdc

Current Information

Out of
Range

Protection

For all power supply options, an
under-voltage does not harm
the supply or the PIM.

An over-voltage causes the fuse
to open on the PIM.

Full Rack Current Draw

Low voltage
DC 11.0 A (maximum)

Outputs

Front Panel LEDs

Supply
OK LED

Indicates when the power supply is
operating properly

Physical

Power Supply Module

Dimensions
(Height x
width x
depth)

120.7 mm x 50.8 mm x 251.5
mm
4.75 in x 2.0 in x 9.9 in

Weight 1.39 kg
3.06 lb

Rack Space Requirements

Power
supply
module

Two half-height slots are
located on the left side of the
rack. Each slot accommodates
one power supply. Both slots
can hold a power supply at the
same time, allowing for
redundant power supplies.

Power input
module

Special half-height module
located directly behind the
associated power supply

Miscellaneous

Minimum

loading

No minimum rack load is

required.

Environmental Limits

Operating

temperature

-30 °C to +65 °C

-22 °F to +150 °F

Storage

temperature

-40 °C to +85 °C

-40 °F to +185 °F

Humidity 95%, non-condensing

Compliance and Certifications

FCC

This device complies with part 15 of the

FCC Rules. Operation is subject to the

following two conditions:

l This device may not cause harmful

interference.

l This device must accept any

interference received, including

interference that may cause

undesired operation.

EMC

European Community Directive:

EMC Directive 2014/30/EU

Standards:

EN 61000-6-2; Immunity for

Industrial Environments

EN 61000-6-4; Emissions for

Industrial Environments

Electrical Safety

European Community Directive:

LV Directive 2014/35/EU

Standards:

EN 61010-1

RoHS

European Community Directive:

RoHS Directive 2011/65/EU

Maritime

DNV GL rules for classification – Ships,

offshore units, and high speed and light

craft

ABS Rules for Condition of Classification,

Part 1

l Steel Vessels Rules

l Offshore Units and Structures