

Bently Nevada 3500 Series Service Manual

3500/15 133300-01

1. Description

133300-01

3. Product Information

133300-01 | Bently Nevada | Low Voltage DC Power Input Module

Manufacturer : Bently Nevada

Product No. : 3500/15 133300-01

Product type : Low Voltage DC Power Input 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

Power Input Modules

Dimensions

(Height x

width x

depth)

120.7 mm x 25.4 mm x 114.3 mm

4.75 in x 1.0 in x 4.5 in

Weight 0.34 kg

0.75 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:

I This device may not cause harmful interference.

I 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

I Steel Vessels Rules

I Offshore Units and Structures

Hazardous Area Approvals

cNRTLus

Class I, Zone 2: AEx/Ex nA nC ic IIC T4 Gc;

Class I, Zone 2: AEx/Ex ec nC ic IIC T4 Gc;

Class I, Division 2, Groups A, B, C, and D;

T4 @ Ta= -20°C to +65°C (-4°F to +149°F)

ATEX/IECEx

II 3 G

Ex nA nC ic IIC T4 Gc

Ex ec nC ic IIC T4 Gc

T4 @ Ta= -20°C to +65°C

(-4°F to +149°F)

