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:
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
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
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