Bently Nevada 3500 Series Service Manual

3500/15-05-05-02

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 3500/15-05-05-02

Product type : 3500/15 AC and DC Power Supplies

Made in U.S.A

Model : 3500/15 = Power supply

Power supply type : 05 = Universal AC voltage (85 to 264 Vac rms)

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Agency approval option : 02 = ATEX / IECEx / CSA (Class 1, Zone 2)

Dimensions (L x W x H) : 25.15 cm x 5.08 cm x 12.07 cm

Weight : 1.39 Kg

Universal Voltage AC

Description

This option uses the universal

AC Power Supply and universal

AC Power Input Module (PIM).

Input

Voltage

110 to 220 Vac nominal

Non-hazardous areas:

85 to 264 Vac rms

Hazardous areas:

85 to 250 Vac rms

120 to 373 Vac pk

The universal AC Power Supply

and Power Input Module are

not compatible with the legacy

High Voltage AC or Low Voltage

AC units.

Input

Frequency 47 to 63 Hz

Universal

voltage AC 2.8 A rms (maximum)

High

voltage DC 2.5 A (maximum)

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

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

3500/15 Power Supply Module

3500/15 -AA-BB-CC

A: Power Supply Type (Top Slot)

03 Legacy High Voltage DC (88 to 140

Vdc)

04 Legacy Low Voltage DC (20 to 30 Vdc)

05 Universal AC Voltage (85 to 264 Vac

rms)

06 High Voltage DC Supply

07 Low Voltage DC Supply

B: Power Supply Type (Bottom Slot)

00 No Supply (Used when no supply is

required)

03 Legacy High Voltage DC (88 to 140

Vdc)

04 Legacy Low Voltage DC (20 to 30 Vdc)

05 Universal AC Voltage (85 to 264 Vac

rms)

06 High Voltage DC Supply

07 Low Voltage DC Supply

C: Agency Approval

00 None

01 CSA / NRTL / C (Class 1, Division 2)

02 ATEX / IECEx / CSA (Class 1, Zone 2)