Bently Nevada 3500 Series Service Manual

3500/15-05-05-00 106M1079-01

1. Description

3500/15-05-05-00 106M1079-01 Power Supply Module

3. Product Information

3500/15-05-05-00 106M1079-01 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)

Spares

Part Number

106M1079-01

Description Universal AC Power Supply Module

Voltage Options

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

High Voltage DC

Description

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

Input voltage 88 to 140 Vdc

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

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