

## 01 / PLAN AND IDENTIFY

Bently Nevada 106M2686-01 115M7750-01 is retained as the supplied combined identifier; the attached 3500/15 datasheet explicitly identifies 115M7750-01 as the High Voltage DC Power Input Module.

### Identity gate

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| Complete Supplied Identifier | 106M2686-01 115M7750-01                              |
| Confirmed Part               | 115M7750-01                                          |
| Confirmed Component          | High Voltage DC Power Input Module (PIM)             |
| Host                         | 3500/15 High Voltage DC power-supply position        |
| Unresolved Code              | 106M2686-01 retained without an unsupported decoding |

### Work boundary

|                                              |                                                               |                                                        |
|----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|
| <b>Exact item</b><br>106M2686-01 115M7750-01 | <b>Installed context</b><br>Mating component or rack position | <b>Acceptance</b><br>Machine-specific functional check |
|----------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|

## 01 Record the as-found item

Capture the complete identifier, installed point and mating components before removal. Apply the authorized isolation and protection-bypass procedure.

### Related Bently Nevada models

|                                             |                                                             |
|---------------------------------------------|-------------------------------------------------------------|
| <b>Bently Nevada 128031-01</b>              | Related portfolio reference; verify the complete execution. |
| <b>Bently Nevada 128718-01</b>              | Related portfolio reference; verify the complete execution. |
| <b>Bently Nevada 3500/05-02-04-00-00-01</b> | Related portfolio reference; verify the complete execution. |
| <b>Bently Nevada 3500/32M</b>               | Related portfolio reference; verify the complete execution. |
| <b>Bently Nevada 3500/64M</b>               | Related portfolio reference; verify the complete execution. |
| <b>Bently Nevada 3500/60</b>                | Related portfolio reference; verify the complete execution. |

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## 02 / PRE-INSTALLATION

### Readiness gate

|             |                                                          |
|-------------|----------------------------------------------------------|
| Identity    | Full model and nameplate recorded                        |
| Mechanical  | Mounting, enclosure and routing inspected                |
| Electrical  | Power, loop or cable checks follow the applicable source |
| Integration | Mating components and system length confirmed            |

### 02 Inspect condition

Check the nameplate, mounting surfaces, connectors, cable or enclosure for damage and contamination. Reject an item whose exact identity or condition cannot be confirmed.

### 03 Review the source

141530 Rev. P: 3500/15 supply/PIM relationship p. 1; high-voltage DC input, current and PIM physical data p. 2; rack position and environment p. 3; exact 115M7750-01 spare identity p. 6.

### Related Bently Nevada models

|                                      |                                                             |
|--------------------------------------|-------------------------------------------------------------|
| Bently Nevada 128031-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 128718-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/05-02-04-00-00-01 | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/32M               | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/64M               | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/60                | Related portfolio reference; verify the complete execution. |

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### 03 / INSTALL AND CONNECT

#### 04 / Installation check

Record both 106M2686-01 and 115M7750-01 exactly from the item before service.

#### 05 / Installation check

Treat 115M7750-01 as the confirmed High Voltage DC PIM and leave 106M2686-01 unresolved without label evidence.

#### 06 / Installation check

Verify the actual input is within 88 to 140 Vdc before connection.

#### 07 / Installation check

Match the PIM to the compatible high-voltage DC 3500/15 supply module.

#### 08 / Installation check

Apply the approved rack shutdown and electrical-isolation procedure.

#### Documented data to respect

|                                |                                 |
|--------------------------------|---------------------------------|
| Confirmed Part Number          | 115M7750-01                     |
| Component                      | High Voltage DC PIM             |
| Input Voltage                  | 88 to 140 Vdc                   |
| Maximum Full-Rack Current Draw | 2.5 A                           |
| Overvoltage Response           | Fuse opens on the PIM           |
| Undervoltage Response          | Does not harm the supply or PIM |

#### Related Bently Nevada models

|                                      |                                                             |
|--------------------------------------|-------------------------------------------------------------|
| Bently Nevada 128031-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 128718-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/05-02-04-00-00-01 | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/32M               | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/64M               | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/60                | Related portfolio reference; verify the complete execution. |

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## 04 / COMMISSION AND ACCEPT

### 09 Restore the documented assembly

The PIM is part of a matched 3500/15 input-and-supply pair. Input voltage, rear-slot location, connector condition and supply compatibility must be checked together before rack power is restored.

### 10 Perform the functional check

Use the machine procedure to verify the expected static condition, signal path and operating response. A visual inspection alone is not commissioning evidence.

### Acceptance record

|             |                                                          |
|-------------|----------------------------------------------------------|
| Identity    | Full model and nameplate recorded                        |
| Mechanical  | Mounting, enclosure and routing inspected                |
| Electrical  | Power, loop or cable checks follow the applicable source |
| Integration | Mating components and system length confirmed            |
| Acceptance  | Machine-specific functional result recorded              |

### What is the maximum current stated for Bently Nevada 106M2686-01 115M7750-01?

The high-voltage DC option lists a 2.5 A maximum full-rack current draw.

### What happens during overvoltage on Bently Nevada 106M2686-01 115M7750-01?

The datasheet states that an overvoltage opens the fuse on the PIM.

### Which fuse is listed for Bently Nevada 106M2686-01 115M7750-01?

Part 129M0198 is listed as the replacement fuse for the High Voltage DC PIM.

### Related Bently Nevada models

|                                      |                                                             |
|--------------------------------------|-------------------------------------------------------------|
| Bently Nevada 128031-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 128718-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/05-02-04-00-00-01 | Related portfolio reference; verify the complete execution. |

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## 05 / HANDOVER

### What does 106M2686-01 mean in Bently Nevada 106M2686-01 115M7750-01?

The attached datasheet does not decode that identifier, so it is retained for nameplate confirmation.

### What confirms commissioning of Bently Nevada 106M2686-01 115M7750-01?

Verify identity, input range, polarity, fuse condition, Supply OK indication and stable rack operation.

### Handover record

|               |                                           |
|---------------|-------------------------------------------|
| Identity      | Exact model and installed location        |
| Configuration | Mating items and relevant option fields   |
| Inspection    | Mechanical, cable and connector condition |
| Test          | Authorized functional result and date     |

### Related-product boundary

Recommended models are portfolio references. Compare every ordering field before selection.

### Related Bently Nevada models

|                                      |                                                             |
|--------------------------------------|-------------------------------------------------------------|
| Bently Nevada 128031-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 128718-01              | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/05-02-04-00-00-01 | Related portfolio reference; verify the complete execution. |
| Bently Nevada 3500/32M               | Related portfolio reference; verify the complete execution. |

### Manufacturer evidence

141530 Rev. P: 3500/15 supply/PIM relationship p. 1; high-voltage DC input, current and PIM physical data p. 2; rack position and environment p. 3; exact 115M7750-01 spare identity p. 6.

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