



TEL (915) 590-8500  
FAX (915) 590-8510

4.63"

# SIEMENS

**Cat. No. HF321J**      **Fusible Heavy Duty Safety Switch**      **Type VB II**  
**30 Amps Maximum**      **240 Volts AC (V~) Maximum**      **250 Volts DC (V---) Maximum**  
**Type 3R / 3S / 12 / 13**      **Dust-Tight**      **For 3R / 3S service, remove drain plug from enclosure bottom and tilt 1/2 to 1 degree towards drain.**

| Horsepower Ratings               | 240 VAC <sup>1</sup> | 240 VAC | 250 VDC <sup>1</sup> |
|----------------------------------|----------------------|---------|----------------------|
|                                  | 1Ø                   | 3Ø      |                      |
| Std. HP (Std. Fuse) <sup>4</sup> | 1½                   | 3       | 5                    |
| Max. HP (Time Delay)             | 3                    | 7½      | —                    |

1.44"

Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.



Suitable for use as Service Equipment when used with factory installed ground bar on 3 phase, 3 wire systems or when used with **HN612** neutral kit on 1 phase, 3 wire or 3 phase, 4 wire systems.

### Fuse and Short Circuit Information

When used with Class K fuses, Class H fuses or a UL Listed Circuit Breaker rated for 10,000 amperes, RMS symmetrical, **240** volts maximum, this switch is suitable for use on a circuit capable of delivering not more than 10,000 amperes, RMS symmetrical, **240** volts, maximum.

When used with Class R fuses and Class R fuse clip kit **HR21** properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, **240** volts maximum.

**Danger** – Unless Class R fuses are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes, RMS symmetrical.

When used with fuses marked with DC ratings, this switch is suitable for use on a circuit capable of delivering not more than the DC interrupting rating marked on the fuse, up to a maximum of 10,000 amperes, **250** volts DC.

**Danger** – Unless fuses marked for an interrupting rating of 10,000 amperes at **250** volts DC are used, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes.

Renewable link fuses are not recommended



### ⚠ DANGER

**Hazardous voltage. Will cause death or serious injury.**

- Disconnect and lock out power supplying this switch before working on this switch.
- Turn off switch before removing or installing fuses if so equipped.
- Always use a properly rated voltage sensing device on all fuse clips (Fusible) or all load side terminals (Non-Fusible) to confirm switch is off.
- Close or replace cover before turning power on.

3.70"

8.50"

### Terminal & Wire Information **USE 60°C / 75°C COPPER OR ALUMINUM WIRE**

| Description               | Wire Range    | Wire Tightening Torque <sup>5</sup>                           | Lug Mounting Torque <sup>6</sup> |
|---------------------------|---------------|---|----------------------------------|
| Line, Load & Main Neutral | (1) 14-6 AWG  | 35 lb-ins. 14-10 AWG / 40 lb-ins. 8 AWG                       | 24 lb-ins.                       |
|                           | (2) 14-10 AWG | 45 lb-ins. 6-4 AWG  |                                  |
| Service Ground            | 14-4 AWG      | 35 lb-ins. 14-10 AWG / 40 lb-ins. 8 AWG<br>45 lb-ins. 6-4 AWG | 24 lb-ins.                       |

Inspection record number:



### UL Listed Compression Lugs (Refer to manufacturers instructions for proper installation)<sup>6</sup>

| Wire Size (AWG OR kcmil) | Burdny                    |         | Thomas & Betts |                         | IlSCO   |                    |
|--------------------------|---------------------------|---------|----------------|-------------------------|---------|--------------------|
|                          | Cu Only                   | Cu / Al | Cu Only        | Cu / Al                 | Cu Only | Cu / Al            |
| 14 - 10                  |                           |         |                | 60096<br>60097          |         |                    |
| 8                        | YA8C-L Box<br>YA8C-L1 Box |         | 54104<br>54130 | 60101<br>60102<br>61102 | CRA-8   | ACL - 8<br>ACN - 8 |
| 6                        |                           |         |                | 61107                   |         |                    |

### Accessories

|                                     |          |                                      |          |  |             |
|-------------------------------------|----------|--------------------------------------|----------|--|-------------|
| Aux. Switch (1NO - 1NC)             | HA161234 | Neutral                              | HN612    | Class R Fuse Kit (Rejects Class H & K Fuses) | HR21        |
| Aux. Switch (2NO - 2NC)             | HA261234 | Ground Lug Kit (Wire Range 14-4 AWG) | HG61234  | Wire Grip Kit (CU)                           | HLC612      |
| Low Voltage Aux. Sw. (1NO - 1NC)    | HA361234 | Isolated Ground Lug Kit              | HG261234 | Hub Kits                                     | SSH100 (1") |
| Compression Lug Neutral Barrier Kit | HCL612   | Fuse (3 per kit)                     |          | Shield Kit                                   | HSK621SSW   |

### Replacement Parts

|           |       |                    |        |                       |            |
|-----------|-------|--------------------|--------|-----------------------|------------|
| Line Base | HFB21 | Wire Grip Kit (AL) | HL612  | Handle / Handle Guard | HH6123     |
| Load Base | HBB21 | Mechanism          | HM6123 | Door                  | HF321JDOOR |

Protected by one or more of the following US Patents: 5,914,460, 6,134,979, 6,356,460, 5,945,650, 5,990,439.

<sup>1</sup> Use outer two poles.

<sup>4</sup> The starting current of motors more than the standard horsepower or kilowatt ratings may require the use of fuses with appropriate time delay characteristics.

<sup>5</sup> When tightening or replacing connectors, refer to lug mounting torque in Terminal & Wire Information Table.

<sup>6</sup> If compression lugs are used for the neutral, order compression lug neutral barrier kit HCL612.

For questions on this device please call 1-800-241-4453

Siemens Industry, Inc.  
Norcross, GA 30092 USA  
<http://www.usa.siemens.com/powerdistribution>  
Assembled in Mexico

Pc. No. 500172S07  
1103

R .125"  
X4

| COMPANY NAME  | MATERIAL        | SIZE                   | JOB WILL NOT BE PRINTED UNLESS APPROVED BY CUSTOMER.            |   | PART NO.                     |
|---|-----------------|------------------------|---|---|------------------------------|
| Siemens S.A DE C.V  | Synthetic Paper | WIDTH<br>4.63"         | <input type="checkbox"/> OK TO PRINT AS IS                      | <input type="checkbox"/> MAKE CORRECTIONS, RESUBMIT CORRECTED PROOF | <b>500172S07</b>             |
| THIS DOCUMENT IS THE PROPERTY OF LABELTECH, INC. IT'S USE IS AUTHORIZED ONLY FOR RESPONDING TO A REQUEST FOR QUOTATION OR FOR THE PERFORMANCE OF WORK REQUESTED FROM LABELTECH, INC. ALL QUESTIONS MUST BE REFERRED TO THE LABELTECH, INC. PRODUCTION DEPARTMENT. | INK COLORS      | LENGTH<br>8.50"        | <input type="checkbox"/> OK TO PRINT WITH CORRECTIONS AS MARKED |   | DESCRIPTION:<br><b>Label</b> |
|   | BLACK 185 RED   | CORNER RADIUS<br>1.25" | AUTHORIZED BY   | DATE  | REVISION LEVEL <b>42P</b>    |
|   |                 |                        |   |   | DESIGNER <b>Joel Ortega</b>  |
|   |                 |                        |   |   | CHECKED BY                   |
|   |                 |                        |   |   | DATE <b>02/11/13</b>         |