

To: SIEMENS E & A  
Attn:  
Fax:

NOTES:

1. SIZE: 4.63" X 7.44" .125 rcr (Special Cut Die)
2. MATERIAL: Semi-Gloss Paper Permanent Adhesive
3. INK COLOR: Black

SIEMENS

**Cat. No. HF361SW**      **Fusible Heavy Duty Safety Switch**      **Type VB II**  
**30 Amps Maximum**      **600 Volts AC(V~) Maximum**      **250 Volts DC(V=) Maximum**  
**NEMA Type 4 / 4X**      **Watertight Stainless Steel**

| Horsepower Ratings               | 240 VAC <sup>1</sup><br>1Ø | 240 VAC<br>3Ø | 480 VAC <sup>1</sup><br>1Ø | 480 VAC<br>3Ø | 600 VAC <sup>1</sup><br>1Ø | 600 VAC<br>3Ø | 250 VDC <sup>1</sup> |
|----------------------------------|----------------------------|---------------|----------------------------|---------------|----------------------------|---------------|----------------------|
| Std. HP (Std. Fuse) <sup>4</sup> | 1½                         | 3             | 3                          | 5             | 3                          | 7½            | 5                    |
| Max. HP (Time Delay)             | 3                          | 7½            | 7½                         | 15            | 10                         | 20            | —                    |

Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.  
 Horsepower ratings listed above are suitable for use with High Efficiency motors through 15 HP @ 480 V, 3Ø AC and 20 HP @ 600 V, 3Ø AC.  
 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, 600 volts maximum, this switch is suitable for use on a circuit capable of delivering not more than 10,000 amperes, RMS symmetrical, 600 volts, maximum.

When used with Class R fuses and Class R fuse clip kit **HR612** properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.

When used with Class J fuses with the load base relocated to the "J Fuse" position marked on the enclosure this switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, 600 volts maximum.

**Danger** – Unless class R or J 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, at the DC voltage 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.

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

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

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

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

**Accessories**      Inspection record number:

|   |          |   |         |   |          |                           |                              |
|---|----------|---|---------|---|----------|---------------------------|------------------------------|
| <b>Aux. Switch (1NO - 1NC)</b>          | HA161234 | <b>Compression Lug Neutral Barrier Kit</b>  | HCL612  | <b>Isolated Ground Lug Kit</b>                          | HG261234 | <b>Wire Grip Kit (CU)</b> | HLC612                       |
| <b>Aux. Switch (2NO - 2NC)</b>          | HA261234 | <b>Neutral</b>                              | HN612   | <b>Fuse Puller Kit (3 per kit)</b>                      | HP61     | <b>Hub Kits</b>           | SSH075 (3/4")<br>SSH100 (1") |
| <b>Low Voltage Aux. Sw. (1NO - 1NC)</b> | HA361234 | <b>Ground Lug Kit (Wire Range 14-4 AWG)</b> | HG61234 | <b>Class R Fuse Kit (Rejects Class H &amp; K Fuses)</b> | HR612    |                           |                              |

**Replacement Parts**

|                  |        |                           |         |                              |             |
|------------------|--------|---------------------------|---------|------------------------------|-------------|
| <b>Line Base</b> | HFB612 | <b>Wire Grip Kit (AL)</b> | HL612   | <b>Handle / Handle Guard</b> | HH6123S     |
| <b>Load Base</b> | HBB612 | <b>Mechanism</b>          | HM6123S | <b>Door</b>                  | HF361SWDOOR |

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.

Pc. No. 500341A03  
0102

7.44"

4.63"

.66"

2.70"

3.50"

R .125"  
X4

- OK to print
- OK to Print with corrections as marked
- Make corrections, resubmit corrected proof
- Job will not be printed unless approved by customer.

|             |       |               |                   |                  |            |
|-------------|-------|---------------|-------------------|------------------|------------|
| Artwork By: | Date: | AUTHORIZED BY | DATE              | PART NUMBER      | REV        |
| Proofer:    | Date: |               | <b>06/26/2008</b> | <b>500341A03</b> | <b>23P</b> |