

# SIEMENS

**Cat. No. HF365R**  
**400 Amps Maximum**  
**NEMA Type 3R**

**Heavy Duty Safety Switch**  
**600 Volts AC Maximum**  
**Rainproof**

**Type VB II**  
**250 Volts DC Maximum**

**Horsepower Ratings**

|  | 240 VAC <sup>1</sup><br>1 PH | 240 VAC<br>3 PH  | 480 VAC <sup>1</sup><br>1 PH | 480 VAC<br>3 PH  | 600 VAC <sup>1</sup><br>1 PH | 600 VAC<br>3 PH  | 250 VDC <sup>1</sup> |
|--|------------------------------|------------------|------------------------------|------------------|------------------------------|------------------|----------------------|
| <b>Std. HP (Std. Fuse)<sup>2</sup></b> | 15 <sup>4</sup>              | 50               | 25                           | 100 <sup>3</sup> | 30                           | 125 <sup>3</sup> | 50                   |
| <b>Max. HP (Time Delay)</b>            | 15 <sup>4</sup>              | 125 <sup>3</sup> | 50                           | 250 <sup>3</sup> | 50                           | 350 <sup>3</sup> | —                    |

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

<sup>2</sup> The starting current of motors more than the standard horsepower ratings may require the use of fuses with appropriate time delay characteristics.

<sup>3</sup> Not for use as a motor controller over 100 horsepower.

<sup>4</sup> If the fuses of this switch are the sole means of motor protection, fuse per the NEC using UL Listed fuse reducers.

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 Design E Motors through 75 HP @ 240 V, 3Ø AC, 150 HP @ 480 V, 3Ø AC and 250 HP @ 600 V, 3Ø AC.

Suitable for use as service equipment when neutral kit **HN656** is installed.

**Fuse and Short Circuit Information**

When used with Class K or H fuses, 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 **HR656** 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 or Class T fuses with the load base relocated to the "T 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 J, R or T 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 100,000 amperes, **250** volts DC.

**Danger** – Unless fuses marked for an interrupting rating of 100,000 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.

|   |                 |
|---|-----------------|
|   | <b>⚠ DANGER</b> |
| <b>Hazardous Voltage. Will cause death or serious injury.</b>   |                 |
| Turn off switch before replacing any fuse. Disconnect power supplying this switch before working inside. Close cover before turning power on. |                 |

**Torque Fuse Clamp Mounting screws to 50 lb-ins.**

**Terminal & Wire Information**

**USE 75° COPPER OR ALUMINIUM WIRE**

| Terminal & Wire Information |  |                                     |                                  |
|-----------------------------|--|-------------------------------------|----------------------------------|
| Description                 | Wire Range   | Wire Tightening Torque <sup>5</sup> | Lug Mounting Torque <sup>5</sup> |
| Line, Load & Main Neutral   | 1/0 - 750 kcmil, Cu Al<br>(2) 1/0 - 250 kcmil, Cu Al | 500 lb-ins.                         | 65 lb-ins.                       |
| Ground                      | #6-300 kcmil, Cu Al                                  | 275 lb-ins.                         | 65 lb-ins.                       |

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

| Wire Size | Burndy             |         | Thomas & Betts      |                | IlSCO               |                     |
|-----------|--------------------|---------|---------------------|----------------|---------------------|---------------------|
|           | CU ONLY            | CU / AL | CU ONLY             | CU / AL        | CU ONLY             | CU / AL             |
| 2/0       | YA26-N             | YA26A1  | 54160<br>54951BE    |                |                     | IACL-2/0<br>ACN-2/0 |
| 3/0       | YA27-L Box<br>YA27 | YA27A3  | 54165-TB<br>54965BE |                | CRB-3/0<br>CRB-3/0L | IACL-3/0<br>ACN-3/0 |
| 4/0       | YA28-L Box<br>YA28 | YA28A3  | 54170<br>54970BE    | 60150          | CRB-4/0<br>CRB-4/0L | IACL-4/0<br>ACN-4/0 |
| 250 Kcmil | YA29-L Box<br>YA29 | YA29A1  | 54113<br>54913BE    | 61156<br>60156 | CRA-250<br>CRA-250L | IACL-250<br>ACL-250 |
| 300 Kcmil | YA30-L<br>YA30     | YA30A1  | 54114<br>54914BE    | 61162<br>60162 | CRA-300<br>CRA-300L | IACL-300<br>ACL-300 |
| 350 Kcmil | YA31-L<br>YA31     | YA31A1  | 54915BE             | 61165<br>60165 | CRA-350<br>CRA-350L | IACL-350            |
| 400 kcmil | YA32-N             |         | 54116<br>54916BE    |                |                     |                     |
| 500 kcmil | YA34-L6<br>YA34-N  |         |                     | 61171          |                     | IACL-500            |

<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, order compression lug mounting kit **HCL65**.

Inspection record number:

**Accessories**

|   |          |  |        |   |  |
|---|----------|--|--------|---|--|
| <b>Aux. Switch (1NO - 1NC)</b>          | HA165678 | <b>Neutral</b>                             | HN656  | <b>Class R Fuse Kit (Rejects Class H &amp; K Fuses)</b> | HR656  |
| <b>Aux. Switch (2NO - 2NC)</b>          | HA265678 | <b>200% Neutral</b>                        | HN656  | <b>HV Hub Kits</b>                                      | HV250 (2½") HV300 (3")<br>HV350 (3½") HV400 (4") |
| <b>Low Voltage Aux. Sw. (1NO - 1NC)</b> | HA365678 | <b>Ground Lug Kit (Wire Range #14-2/0)</b> | HG656  | <b>Compression Lug Mounting Kit</b>                     | HCL65 <sup>6</sup>                               |
| <b>Wire Grip Kit (CU)</b>               | HLC65678 | <b>Isolated Ground Lug Kit</b>             | HG2656 |   |  |

**Replacement Parts**

|                  |        |                           |         |                              |            |
|------------------|--------|---------------------------|---------|------------------------------|------------|
| <b>Line Base</b> | HFB65  | <b>Wire Grip Kit (AL)</b> | HL65678 | <b>Handle / Handle Guard</b> | HH65678    |
| <b>Load Base</b> | HBB656 | <b>Mechanism</b>          | HM65    | <b>Door</b>                  | HF365RDOOR |

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

Pc. No. 508057M02  
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