

To: SIEMENS  
Attn:  
Fax:

NOTES:

1. SIZE: 6.125" X 11.375" rcr .125"
2. MATERIAL: Semi-Gloss Paper w/ Permanent Adhesive
3. INK COLOR: Black, PMS 185 Red

6.125"
.125" rcr X4

## SIEMENS

**Cat. No. HNF663J      Non-Fusible 6 Pole Heavy Duty Safety Switch      Type VB II**  
**100 Amps Maximum      600 Volts AC (V~) Maximum      250 Volts DC (V=) Maximum**  
**NEMA 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> 1Ø	240 VAC 3Ø	480 VAC <sup>1</sup> 1Ø	480 VAC 3Ø	600 VAC <sup>1</sup> 1Ø	600 VAC 3Ø	250 VDC <sup>1</sup>
<b>Max. HP</b>	15	40	30	75	40	100	20

Suitable for use as service equipment in the U.S.A. when neutral kit **HN623** or ground lug kit **HG61234** is installed.

**Fuse and Short Circuit Information**

This switch is suitable for use on a circuit capable of delivering not more than 200,000 amperes, RMS symmetrical, **600** volts maximum when protected by class J, R or T fuses rated **100** amperes maximum.

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

This switch is suitable for use on a circuit capable of delivering not more than 10,000 amperes, RMS symmetrical, **600** volts maximum, when protected by 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, **250** volts DC maximum, when protected by fuses marked with an interrupting rating 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 to protect this switch, this switch may present a risk of fire and injury to persons if installed on circuits capable of delivering more than 10,000 amperes.

**⚠ 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 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	14-1/0 AWG	35 lb-ins. 14-10 AWG / 40lb-ins. 8 AWG 45 lb-ins. 6-4 AWG / 50 lb-ins. 3-1/0 AWG	80 lb-ins.
Service Ground	14-4 AWG	35 lb-ins. 14-10 AWG / 40lb-ins. 8 AWG 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)	Burndy		Thomas & Betts		IIsco	
	Cu Only	Cu / Al	Cu Only	Cu / Al	Cu Only	Cu / Al
6	YA6C-L Box YA6C	YA6CA1	54105 54905BE	61107 60107	CRB-6 CRB-6L	ACL-6
4	YA4C-L Box YA4C	YA4CA1	54106 54906BE	61112 60112	CRB-4 CRB-4L	ACL-4
2	YA2C-L2 Box YA2C	YA2CA5	54107	61116	CRA-2 CRB-2L	ACL-2
1	YA1C-L2 YA1C		54108 54947BE	61122	CRB-1-14 CRA-1L	
1/0				61130		

**Accessories**

Aux. Switch (1NO - 1NC)	HA161234	Neutral	HN623	Isolated Ground Lug Kit	HG261234
Aux. Switch (2NO - 2NC)	HA261234	200% NEUTRAL	HNC263	Wire Grip Kit (CU)	HLC63
Low Voltage Aux. Sw. (1NO - 1NC)	HA361234	Ground Lug Kit (Wire Range 14-4 AWG)	HG61234	Hub Kits	SSH150 (1 1/2") SSH200 (2")
Compression Lug Neutral Barrier	HCL623				

**Replacement Parts**

Line Base	HNB623	Wire Grip Kit (Al)	HL63	Handle / Handle Guard	HH461234
Load Base		Mechanism		Door	HNF663JDOOR

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

<sup>1</sup> Use outer two poles.  
<sup>5</sup> When tightening or re placing 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 **HCL623**.

**Siemens Energy & Automation, Inc.**  
**Bellefontaine, Ohio 43311 U.S.A**  
<http://www.sea.siemens.com/power>  
**Assembled in Mexico**

Pc. No. 500448AK02  
0904

- 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
			<b>06/19/2008</b>	<b>500448AK02</b>	<b>23P</b>