

To: SIEMENS  
Attn:  
Fax:

NOTES:

1. SIZE: 4.63" X 8.50" rcr .125"
2. MATERIAL: Semi-Gloss Paper
3. INK COLOR: Black and Red 185

8.50"

4.63"

.69"

4.44"

**SIEMENS**

**Cat. No. HF222S**      **Fusible Heavy Duty Safety Switch**      **Type VB II**  
**60 Amps Maximum**      **240 Volts AC(V~)Maximum**      **250 Volts DC(V-)-Maximum**  
**NEMA Type 4 / 4X**      **Watertight**      **Stainless Steel**

Horsepower Ratings	240 VAC 1Ø	240 VAC <sup>3</sup> 3Ø	250 VDC
Std. HP (Std. Fuse) <sup>4</sup>	3	7 1/2	10
Max. HP (Time Delay)	10	15	—

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.  
Suitable for use as Service Equipment when used with factory installed ground bar on 3 phase, 3 wire systems or when used with **HN623** 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 **HR612** 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, 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	14-2 AWG	35 lb-ins, 14-10 AWG / 40 lb-ins, 8 AWG 45 lb-ins, 6-4 AWG / 50 lb-ins, 3-2 AWG	80 lb-ins.
Service Ground	14-4 AWG	35 lb-ins, 14-10 AWG / 40 lb-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)	Burdny		Thomas & Betts		IlSCO	
	Cu Only	Cu / Al	Cu Only	Cu / Al	Cu Only	Cu / Al
14-10			256-30695-1352	60097		
8	YA8C-L1 Box YA8C-TC14	YA8CA3	54130 54930BE	60102 61102		ACL - 8
6	YA6C-L Box YA6C	YA6CA1	54105 54905BE	60107 61107	CRB-6 CRB-6L	ACL - 6
4			54106	61112	CRB-4	

**Accessories**

Aux. Switch (1NO - 1NC)	HA161234	Neutral	HN623	Class R Fuse Kit (Rejects Class H & K Fuses)	HR612
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	SSH075 (3/4") SSH100 (1") SSH125 (1 1/4")
Compression Lug Neutral Barrier Kit	HCL623	Fuse Puller (3 per kit)	HP62		

**Replacement Parts**

Line Base	HFB22	Wire Grip Kit (AL)	HL612	Handle / Handle Guard	HH6123S
Load Base	HBB22	Mechanism	HM6123S	Door	HF222SDOOR

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>3</sup> Suitable for 3-Phase, 3-Wire, Grounded B-Phase Systems when neutral kit **HN623** is installed.

<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 **HCL623**.

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

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

Pc. No. 502086L05  
1103

- OK to print
- OK to Print with corrections as marked
- Make corrections, resubmit corrected proof

Job will not be printed unless approved by customer.

R .125"  
X4

Artwork By:	Date:	AUTHORIZED BY	DATE	PART NUMBER	REV
Proofer:	Date:		05/30/08	502086L05	23P