

To: SIEMENS
Attn:
Fax:

NOTES:

1. SIZE: 6.25" X 12.00" rcr .125"
2. MATERIAL: Semi-Gloss Paper
3. INK COLOR: Black and Red 185

6.25"

SIEMENS

Cat. No. HF223S **Fusible Heavy Duty Safety Switch** **Type VB II**
100 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 ³ 3Ø	250 VDC
Std. HP (Std. Fuse) ⁴	7½	15	20
Max. HP (Time Delay)	15	30	—

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.

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 **HR63** 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.

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, **240** volts maximum.

When used with Class T fuses and Class T fuse adaptor kit **HT23** 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, J 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 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.

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.



	⚠ DANGER
	<p>Hazardous voltage. Will cause death or serious injury.</p> <ul style="list-style-type: none"> • 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 ALUMINIUM WIRE**

Terminal & Wire Information			
Description	Wire Range	Wire Tightening Torque ⁵	Lug Mounting Torque ⁵
Line, Load & Main Neutral	14-1/0 AWG	35 lb-ins. 14-10 AWG / 40 lb-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 / 40 lb-ins. 8 AWG 45 lb-ins. 6-4 AWG	24 lb-ins.



UL Listed Compression Lugs (Refer to manufacturers instructions for proper installation)⁶

Wire Size (AWG OR kcmil)	Burdny		Thomas & Betts		IlSCO	
	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		

Inspection record number:

Accessories

Aux. Switch (1NO - 1NC)	HA161234	200% Neutral	HN263	Class R Fuse Kit (Rejects Class H & K Fuses)	HR63
Aux. Switch (2NO - 2NC)	HA261234	Ground Lug Kit (Wire Range 14-4 AWG)	HG61234	Class T Fuse Kit	HT23
Low Voltage Aux. Sw. (1NO - 1NC)	HA361234	Isolated Ground Lug Kit	HG261234	Hub Kits	SSH125 (1 1/4") SSH150 (1 1/2") SSH200 (2")
Compression Lug Neutral Barrier Kit	HCL623	Fuse Puller Kit (3 per kit)	HP63	Wire Grip Kit (CU)	HLC63
Neutral	HN623				

Replacement Parts

Line Base	HFB63	Wire Grip Kit (AL)	HL63	Handle / Handle Guard	HH6123S
Load Base	HBB63	Mechanism	HM6123S	Door	HF223SDOOR

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.

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

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

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

⁶ 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. 504034L04
1101

12.00"

1.81"

4.44"

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:		02/12/07	504034L04	16P