



TEL (915) 590-8500  
FAX (915) 590-8510

4.63"

# SIEMENS

**Cat. No. HF221N**      **Fusible Heavy Duty Safety Switch**      **Type VB II**  
**30 Amps Maximum**      **240 Volts AC(V~) Maximum**      **250 Volts DC(V-~) Maximum**  
**Type 1**      **Indoor**      **Suitable for use as Service Equipment**

Horsepower Ratings	240 VAC 1Ø	240 VAC <sup>2</sup> 3Ø	250 VDC
Std. HP (Std. Fuse) <sup>4</sup>	1½	3	5
Max. HP (Time Delay)	3	7½	—

Continuous load current not to exceed 80% of the rating of fuses employed in other than motor circuits.

### 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 **HR21** 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.

8.50"

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

Description	Wire Range	Wire Tightening Torque <sup>5</sup>	Lug Mounting Torque <sup>5</sup>
Line, Load & Main Neutral	(1) 14-6 AWG	35 lb-ins, 14-10 AWG / 40 lb-ins, 8 AWG	24 lb-ins.
	(2) 14-10 AWG	45 lb-ins, 6-4 AWG	
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)	Burdly		Thomas & Betts		IlSCO	
	Cu Only	Cu / Al	Cu Only	Cu / Al	Cu Only	Cu / Al
14 - 10				60096 60097		
8	YA8C-L Box YA8C-L1 Box		54104 54130	60101 60102 61102	CRA-8	ACL - 8 ACN - 8
6				61107		

### Accessories

Aux. Switch (1NO - 1NC)	HA161234	Neutral	HN612	Class R Fuse Kit (Rejects Class H & K Fuses)	HR21
Aux. Switch (2NO - 2NC)	HA261234	Ground Lug Kit (Wire Range 14-4 AWG)	HG61234	Fuse puller (3 per kit)	HP61
Low Voltage Aux. Sw. (1NO - 1NC)	HA361234	Isolated Ground Lug Kit	HG261234	Shield Kit	
Compression Lug Neutral Barrier Kit	HCL612	Wire Grip Kit (CU)	HLC612		HSK621SSW

### Replacement Parts

Line Base	HFB21	Wire Grip Kit (AL)	HL612	Handle / Handle Guard	HH6123
Load Base	HBB21	Mechanism	HM6123	Door	HF221INDOOR

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

<sup>2</sup> Suitable for 3-Phase, 3-Wire, Grounded B-Phase Systems

<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.

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

Siemens Industry, Inc.  
Norcross, GA 30092 USA

Pc. No.500172A09  
1103

<http://www.usa.siemens.com/powerdistribution>  
Assembled in Mexico

R .125"  
X4

## COMPANY NAME

SIEMENS INDUSTRY, INC. MTR

## MATERIAL

Synthetic Paper

## SIZE

WIDTH  
4.63"

LENGTH  
8.50"

CORNER RADIUS  
.125"

## JOB WILL NOT BE PRINTED UNLESS APPROVED BY CUSTOMER.

OK TO PRINT  
AS IS

MAKE CORRECTIONS, RESUBMIT  
CORRECTED PROOF

OK TO PRINT WITH  
CORRECTIONS AS MARKED

AUTHORIZED BY

DATE

## PART NO.

500172A09

## DESCRIPTION:

Label

REVISION LEVEL **39P**

DESIGNER **Gibran Camacho**

CHECKED BY

DATE **05/18/12**

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