



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

Reference Files Used:

- 51010xls rev 39P
- 500446 rev 8P
- 500444 rev 4P
- 500443 rev 13P
- 500445 rev 2P
- 500440 rev 4P

12.00"

6.25"

1.81"

4.44"

SIEMENS

Cat. No. HF323N **Fusible Heavy Duty Safety Switch** **Type VB II**
100 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 ¹ 1Ø | 240 VAC 3Ø | 250 VDC ¹ |
|----------------------------------|----------------------------|---------------|----------------------|
| 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.

⚠ 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 ALUMINIUM WIRE

| 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 | Neutral | HN623 | Fuse Puller Kit (3 per kit) | HP63 |
| Aux. Switch (2NO - 2NC) | HA261234 | 200% Neutral | HN263 | Class R Fuse Kit (Rejects Class H & K Fuses) | HR63 |
| Low Voltage Aux. Sw. (1NO - 1NC) | HA361234 | Ground Lug Kit (Wire Range 14-4 AWG) | HG61234 | Class T Fuse Kit | HT23 |
| Compression Lug Neutral Barrier Kit | HCL623 | Isolated Ground Lug Kit | HG261234 | Wire Grip Kit (CU) | HLC63 |
| Shield Kit | HSK63SSW | | | | |

Replacement Parts

| | | | | | |
|-----------|-------|--------------------|--------|-----------------------|------------|
| Line Base | HFB63 | Wire Grip Kit (AL) | HL63 | Handle / Handle Guard | HH6123 |
| Load Base | HBB63 | Mechanism | HM6123 | Door | HF323NDOOR |

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

¹ Use outer two poles.

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 Industry, Inc.
Norcross, GA 30092 USA
<http://www.usa.siemens.com/powerdistribution>
Assembled in Mexico

Pc. No. 504034C05
1101

R .125"
X4

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|---|--|--|---|--|--|--------------|--|--|--|--|--|------------------------------|--|--|---------------|--|--|
| COMPANY NAME | | | JOB WILL NOT BE PRINTED UNLESS APPROVED BY CUSTOMER. | | | | | | | | | | | | | | |
| SIEMENS INDUSTRY, INC. | | | MATERIAL | | | SIZE | | | <input type="checkbox"/> OK TO PRINT AS IS <input type="checkbox"/> MAKE CORRECTIONS, RESUBMIT CORRECTED PROOF | | | PART NO. 504034C05 | | | | | |
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| | | | INK COLORS | | | 6.25" | | | | | | LENGTH | | | 12.00" | | |
| BLACK 185 RED | | | ROUND CORNER RADIUS | | | .125" | | | AUTHORIZED BY | | | DATE | | | | | |
| | | | | | | | | | REVISION LEVEL | | | 39P | | | | | |
| | | | | | | | | | DESIGNER | | | Joel Ortega | | | CHECKED BY | | |
| | | | | | | | | | | | | DATE | | | 10/26/11 | | |