



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

**Reference Files Used:**

- 51010xls rev 38P
- 500446 rev 8P
- 500444 rev 3P
- 500443 rev 12P
- 500445 rev 2P
- 500440 rev 3P

6.125" .125" rcr  
X4

## SIEMENS

**Cat. No. DTNF323 Non-Fusible Heavy Duty Double Throw Safety Switch Type VB II**  
**100 Amps Maximum 240 Volts AC (V~) Maximum 250 Volts DC (V-) Maximum**  
**Type 1 Indoor**

Horsepower Ratings	240 VAC <sup>1</sup> 1Ø	240 VAC 3Ø	250 VDC <sup>1</sup>
Max. HP	15	40	20

Suitable for use as Service Equipment when used with ground bar kit **HG61234** on 3 phase, 3 wire systems or when used with **HN263** neutral kit on 1 phase, 3 wire or 3 phase, 4 wire systems.

Manually-operated switch suitable for use in accordance with Article 702 of the National Electrical Code, ANSI/NFPA 70.

**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, 240 volts maximum when protected by class J, R or T fuses rated 100 amperes maximum.

**Danger** - Unless Type NEB, NGB, NEG, NGG, ED4 or ED6 circuit breakers or 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, 240 volts maximum, when protected by 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 18,000 amperes, rms symmetrical, when protected by Type NEB, NGB, NEG, NGG, or ED4 circuit breakers rated 100 amperes maximum.

This switch is suitable for use on a circuit capable of delivering not more than 18,000 amperes, rms symmetrical, when protected by Type ED6 circuit breakers rated 100 amperes 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.

11.375"

**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>6</sup>
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. 14-10AWG / 40 lb-ins. 8 AWG 45 lb-ins. 6-4 AWG	24 lb-ins.

Inspection record number:

**UL Listed Compression Lugs (Refer to manufacturers instruction 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
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	Compression Lug Neutral Barrier Kit	HCL623	Isolated Ground Lug Kit	HG261234
Aux. Switch (2NO - 2NC)	HA261234	Neutral	HN263	Wire Grip Kit (CU)	HLC63
Low Voltage Aux. Sw. (1NO - 1NC)	HA361234	Ground Lug Kit (Wire Range 14-4 AWG)	HG61234	Hub Kits	

**Replacement Parts**

Line Base	HNB623	Wire Grip Kit (Al)	HL63	Handle / Handle Guard	HHD61234
Load Base		Mechanism		Door	DTNF323DOOR

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

Pc. No. 504117H05  
1203

**COMPANY NAME**

**SIEMENS INDUSTRY, INC.**

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**MATERIAL**

**SYNTHETIC PAPER**

**INK COLORS**

**BLACK 185 RED**

**SIZE**

WIDTH

**6.125"**

LENGTH

**11.375"**

ROUND CORNER RADIUS

**.125"**

OK TO PRINT AS IS

MAKE CORRECTIONS, RESUBMIT CORRECTED PROOF

OK TO PRINT WITH CORRECTIONS AS MARKED

PART NO.

**504117H05**

DESCRIPTION:

**AUTHORIZED BY**

**DATE**

**REVISION LEVEL 38P**

DESIGNER

**Gibran Camacho**

CHECKED BY

DATE

**06/28/11**