



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

6.125"

.125" rcr  
X4

# SIEMENS

**Cat. No. DTNF322 Non-Fusible Heavy Duty Double Throw Safety Switch Type VB II**  
**60 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	10	20	10

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 60 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 **60** 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 **60** 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 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	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.

### UL Listed Compression Lugs (Refer to manufacturers instruction for proper installation)<sup>6</sup>

Wire Size (AWG OR kcmil)	Burdndy		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	

Inspection record number:

### Accessories

Aux. Switch (1NO - 1NC)	HA161234	Neutral	HN263	
Aux. Switch (2NO - 2NC)	HA261234	Ground Lug Kit (Wire Range 14-4 AWG)	HG61234	
Low Voltage Aux. Sw. (1NO - 1NC)	HA361234	Isolated Ground Lug Kit	HG261234	
Compression Lug Neutral Barrier Kit	HCL623	Wire Grip Kit (CU)	HLC612	

### Replacement Parts

Line Base	HNB612	Wire Grip Kit (AL)	HL612	Handle / Handle Guard	HHD61234
Load Base		Mechanism		Door	DTNF322DOOR

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. 502168E06  
1203

### COMPANY NAME

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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.

**502168E06**

DESCRIPTION:

**Label**

**AUTHORIZED BY**

**DATE**

**REVISION LEVEL 39P**

DESIGNER

Joel Ortega

CHECKED BY

DATE

11/03/11