



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

6.25"

SIEMENS

Cat. No. DTNF321 Non-Fusible Heavy Duty Double Throw Safety Switch Type VB II
30 Amps Maximum 240 Volts AC (V~) Maximum 250 Volts DC (V=) Maximum
Type 1 Indoor

Horsepower Ratings	240 VAC ¹ 1Ø	240 VAC 3Ø	250 VDC ¹
Max. HP	5	10	5

Suitable for use as Service Equipment when used with ground bar kit **HG61234** on 3 phase, 3 wire systems or when used with **HNC612** 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 30 amperes maximum.

Danger - Unless Type NEB or NGB 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 or NGB circuit breakers rated 30 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.

8.75"

Terminal & Wire Information		USE 60°C / 75°C COPPER OR ALUMINUM WIRE	
Description	Wire Range	Wire Tightening Torque ⁵	Lug Mounting Torque ⁵
Line, Load & Main Neutral	(1) 14-6 AWG (2) 14-10 AWG	35 lb-ins. 14-10 AWG / 40 lb-ins. 8 AWG 45 lb-ins. 6-4 AWG	24 lb-ins.
Service Ground	14-4 AWG		

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

Wire Size (AWG OR kcmil)	Burndy		Thomas & Betts		IISCO	
	CU ONLY	CU / AL	CU ONLY	CU / AL	CU ONLY	CU / AL
14-10				60096 60097		
8	YABC-L YABC-L1	Box Box	54104 54130	60101 60102 61102	CRA-8	ACL-8 ACN-8
6				61107		

Inspection record number:

Accessories

Aux. Switch (1NO - 1NC)	HA161234	Neutral HNC612	Isolated Ground Lug Kit HG261234
Aux. Switch (2NO - 2NC)	HA261234	Ground Lug Kit (Wire Range 14-4 AWG) HG61234	Wire Grip Kit (CU) HLC612
Low Voltage Aux. Sw. (1NO - 1NC)	HA361234	Compression Lug Neutral Barrier Kit HCL612	

Replacement Parts

Line Base	HNB612	Wire Grip Kit (Al) HL612	Handle / Handle Guard HHD61234
Load Base		Mechanism	Door DTNF321DOOR

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.

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 **HCL612**.

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. 500421E08
1203

R .125"
X4

COMPANY NAME

SIEMENS INDUSTRY, INC. MTR

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MATERIAL

Synthetic Paper

INK COLORS

BLACK 185 RED

SIZE

WIDTH

6.25"

LENGTH

8.75"

ROUND CORNER RADIUS

.125"

OK TO PRINT AS IS

MAKE CORRECTIONS, RESUBMIT CORRECTED PROOF

OK TO PRINT WITH CORRECTIONS AS MARKED

PART NO.

500421E08

DESCRIPTION:

Label

AUTHORIZED BY

DATE

REVISION LEVEL 39P

DESIGNER **Gibran Camacho**

CHECKED BY

DATE **06/01/12**