

To: SIEMENS
Attn:
Fax:

NOTES:

1. SIZE: 6.125" X 11.375" rcr .125"
2. MATERIAL: Semi-Gloss Paper w/ Permanent Adhesive
3. INK COLOR: Black, PMS 185 Red

11.375"
6.125"
.125" rcr
X4

SIEMENS

Cat. No. DTNF223 Non-Fusible Heavy Duty Double Throw Safety Switch Type VB II

100 Amps Maximum 240 Volts AC(V~) Maximum 250 Volts DC (V=) Maximum

NEMA Type 1 Indoor

Horsepower Ratings	240 VAC 1Ø	240 VAC ³ 3Ø	250 VDC
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 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 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.

Terminal & Wire Information USE 75°C COPPER OR ALUMINUM WIRE

Terminal & Wire Information			
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.

Inspection record number:

UL Listed Compression Lugs (Refer to manufacturers instruction 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 YA6C Box	YA6CA1	54105 54905BE	61107 60107	CRB-6 CRB-6L	ACL-6
4	YA4C-L YA4C Box	YA4CA1	54106 54906BE	61112 60112	CRB-4 CRB-4L	ACL-4
2	YA2C-L2 YA2C Box	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	DTNF223DOOR

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

³ Suitable for 3-Phase, 3-Wire, Grounded B-Phase Systems when neutral kit **HN263** is installed.

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**.

Siemens Energy & Automation, Inc.
Bellefontaine, Ohio 43311 U.S.A.
<http://www.sea.siemens.com/power>
Assembled in Mexico

Pc. No. 504117G03
1203

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Make corrections, resubmit corrected proof

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