



# Heavy and General Duty Double Throw Safety Switch

## Type VBII, 200 Amp, Type 3R (Outdoor)

### Standards and Ratings

- UL Listed under file #E4776
- Meets UL98 for switches and UL50 for enclosures
- Suitable for use as Transfer Equipment on optional standby systems as defined by Article 702 of the NEC
- Meets NEMA Standard KS-1 for enclosed switches (Type HD)
- Meets NEC wire bending space requirements
- Suitable for use as service equipment
- AIC Ratings  
General Duty 10,000 AIC when protected by Class H or 100,000 AIC when protected by Class R, J or T fuses (fuse ampere rating must not exceed switch ampere rating)  
Heavy Duty 10,000 AIC with Class H or 200,000 AIC when used with or

protected by Class R, J or T fuses (fuse ampere rating must not exceed switch ampere rating)

### Features

- Quick-make and break switching action
- Visible blade, double break construction
- Highly visible ON/OFF indication
- Modular design allows quick and easy replacement of parts
- Front removable lugs which can easily be converted to copper body or compression type lugs
- Defeatable dual cover interlock
- All copper current carrying parts <sup>1</sup>
- Tangential knockouts
- Handle is padlockable in OFF position

### General Information

Catalog Number	Max AC Volts	Description	Shipping Weight (lbs.)
<b>General Duty</b>			
DTGNF224R	240	Non-fusible, 2 Pole, 2 Wire	81
DTGNF224NR	240	Non-fusible, 2 Pole, 3 Wire	82
DTGNF324R	240	Non-fusible, 3 Pole, 3 Wire	84
DTGNF324NR	240	Non-fusible, 3 Pole, 4 Wire	85
<b>Heavy Duty</b>			
DTF224R <sup>2</sup>	240	Fusible, 2 Pole, 2 Wire	91
DTF324R <sup>2</sup>	240	Fusible, 3 Pole, 3 Wire	94
DTF364R <sup>2</sup>	600	Fusible, 3 Pole, 3 Wire	94
DTNF224R	240	Non-fusible, 2 Pole, 2 Wire	81
DTNF324R	240	Non-fusible, 3 Pole, 3 Wire	84
DTNF364R	600	Non-fusible, 3 Pole, 3 Wire	84

### Mechanical Lug Wire Ranges (75°C, Cu/Al)

Description	Wire Range
Line, Load Neutral	#6-250 kcmil
Ground	#14-4 AWG

<sup>1</sup> Lugs are aluminum alloy as standard. Optional copper body lugs are available.

<sup>2</sup> Fusible switches accept: Class H fuses as standard or Class R or T fuses with kit, Class J fuses (move load base).

## Product Specification Sheet HD200.8

Answers for industry.

**SIEMENS**

# Product Specification Sheet #HD200.8 (page 2 of 3)

## Horsepower Ratings <sup>1</sup>

Catalog Number	240V 1Ø		240V 3Ø		480V 3Ø		600V 3Ø		250V DC	
	Std	Max	Std	Max	Std	Max	Std	Max	Std	Max
<b>General Duty</b>										
DFGNF224R	—	15	—	60	—	—	—	—	—	40
DFGNF224NR	—	15	—	60	—	—	—	—	—	40
DFGNF324R	—	15	—	60	—	—	—	—	—	40
DFGNF324NR	—	15	—	60	—	—	—	—	—	40
<b>Heavy Duty</b>										
DTF224R	15	—	25	60	—	—	—	—	40	—
DTF324R	15	—	25	60	—	—	—	—	40	—
DTF364R	15	—	25	60	50	125	60	150	40	—
DTNF224R	—	15	—	60	—	—	—	—	—	40
DTNF324R	—	15	—	60	—	—	—	—	—	40
DTNF364R	—	15	—	60	—	125	—	150	—	40

## Accessories

Catalog Number	Description
<b>General &amp; Heavy Duty Double Throw Switches</b>	
HG61234	Equipment Ground Lug Kit
HG261234	Isolated Equipment Ground Lug Kit
HNC264	Neutral Kit
HS200	2.00" Type "HS" Outdoor Hub
HS250	2.50" Type "HS" Outdoor Hub
<b>Heavy Duty Double Throw Switches Only</b>	
HA161234	Auxiliary Switch (1-NO & 1 NC) <sup>2</sup>
HA261234	Auxiliary Switch (2-NO & 2 NC) <sup>2</sup>
HA361234	Low Voltage Auxiliary Switch <sup>2</sup>
HR64	Class R Fuse Clip Kit (3 fuse clips per kit, (2) kits required per switch)
HLC64	Copper Lug Kit (9 lugs per kit) <sup>2</sup>
HT24	300V Class T Kit (2) required per pole
HT64	600V Class T Kit (2) required per pole

## Replacement Parts

Catalog Number	Description
HBB64	Fusible Load Side Replacement Base (2) kits required per switch
HFB64	Fusible Line Side Replacement Base (2) kits required per switch
HNB64	Non-fusible Replacement Line Base (2) kits required per switch
HH61234	Replacement Handle/Handle Guard
HL64	Replacement Lugs (3 lugs per kit)
HM64	Replacement Mechanism <sup>2</sup>
<sup>3</sup>	Replacement Door

<sup>1</sup> Dual horse ratings: Std - applies when non-time delay fuses are installed.

Max - applies when time-delay fuses are installed.

<sup>2</sup> (2) required per switch (one for each of the two line bases).

<sup>3</sup> Catalog number is same as switch catalog number plus "DOOR" suffix.

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## Compression Lugs (UL listed for field installation)

Wire Size	Burndy		Thomas-Betts		Ilco	
	CU ONLY	CU/AL	CU ONLY	CU/AL	CU ONLY	CU/AL
#2	YA2C-L BOX YA2C	YA2CA1	54142-TB	60117	CRB-2 CRB-2L	IACL-2 ACN-2
#1	YA1C-L BOX YA1C	YA1CA1	54147 54947BE	60123	CRA-1-38 CRA-1L	ACN-1
1/0	YA25-L BOX YA25	YA25A1	54153-TB 54949BE	60129 61130	CRA-0 CRA-1/0L	IACL-1/0 ACN-1/0
2/0	YA26-L3 YA26	YA26A6	54158 256-30695-1229 54910BE	60135 61136	CRA-2/0 CRA-2/0L	ACL-2/0 IACL-2/0
3/0	YA27-L3 YA27	YA27A1	54163-TB	60141 61142	CRC-3/0 CRB-3/0L	IACL-3/0 ACL-3/0
4/0	YA28-L3 YA28-TC38	YA28A1	54168 256-30695-1253	61148 60147	CRC-4/0 CRB-4/0L	IACL-4/0 ACL-4/0
250 Kcmil	YA29-L7		54173 54913BE	61156	CRA-250	

## Dimensions and Wire Bending Space

Catalog Number	Dimensions			Wire Bending Space	
	A	B	C	Top	Bottom
DTGNF224R DTGNF224NR DTGNF324R DTGNF324NR DTNF224R DTNF324R DTNF364R	36.00 (914)	31.00 (787)	36.66 (931)	7.50	7.50
DTF224R DTF324R DTF364R	49.48 (1257)	44.50 (1130)	50.13 (1273)	7.50	10.00 10.00 7.50

## Dimension Drawing

