

# DOUBLE THROW TRANSFER SWITCHES



## Description:

Double Throw Switches Are Intended To Transfer Loads From One Power Source To Another. All 2 and 3 Pole Double Throw Switches Are Suitable For Use As Service Equipment. All Are UL Listed. Switches Are Rated For Use On Systems Up To 10,000 A When Protected With Class H Fuses Or 100,000 A When Protected With Class R Or Class T Fuses (2). They Can Also Be Used To Connect A Single Source Of Power To Either Of Two Loads. In This Application It Is Necessary To Field Modify Fusible Switches So That The Fuses Are On The Load Side Of The Switching Mechanism. A Cover Interlock Is Provided On All Ampere Ratings. The Operating Handle May Be Padlocked In The Off Position.

## Fuse Capabilities Of Fusible Switches:

Amp Rating	Fuse Type			
	H	R	T	J
30 & 60 A, 240 V	Std.	Yes (Kit)	No	No
30 & 60 A, 600 V	Std.	Yes (Kit)	No	Yes (3)
100 & 200 A	Std.	Yes (Kit)	Yes (Kit)	Yes (3)

## Wire Ranges (Line, Load and Neutral)

Per NEC Requirements:

Switch Ampere Rating	Wire Range (Cu / Al) New VBII Design Line, Load and Neutral
<b>30 - 200 A - 2, 3 &amp; 4 Pole Switches</b>	
30	(1) #14-6
60	(1) #14-2
100	(1) #14-1/0 AWG
100	(1) #14-1/0 AWG
200	(1) #6-250 kcmil
<b>400 - 1200 A - 2 &amp; 3 Pole Switches</b>	
400	(1) 1/0 AWG - 750 kcmil or (2) 1/0 AWG - 250 kcmil
600	(2) 1/0 AWG - 500 kcmil
800	(2) 1/0 AWG - 750 kcmil or (3) 1/0 AWG - 500 kcmil
1200	(3) 1/0 AWG - 600 kcmil or (4) 1/0 AWG - 500 kcmil
<b>400 - 800 A - 4 Pole Switches</b>	
400	(1) 1/0 AWG - 300 kcmil or (2) 1/0 AWG - 750 kcmil
600	(2) 250 - 500 kcmil
800	(3) 250 - 500 kcmil

## Maximum Horsepower Ratings:

Ampere Rating	1 Phase AC	3 Phase AC			250V
	240 V	240 V	480 V	600 V	DC
<b>Fused</b>					
30	3	7.5	15	20	5
60	10	15	30	50	10
100	15	30	60	75	20
200	15	60	125	150	40
400	---	125	125	125	50
600	---	125	---	---	50
<b>Non-Fused</b>					
30	5	10	20	30	5
60	10	20	50	60	10
100	15	40	75	100	20
200	15	60	125	150	40
400 - 800	---	125	250	350	50

Voltage	Number Of Poles	Amps	NEMA 3R - Outdoor Less Neutral		NEMA 3R - Outdoor With Neutral	
			Model Number	List Price	Model Number	List Price
<b>General Duty Non-Fusible</b>						
240 Volt AC	2	100	DTGNF223R	\$1,261.21	DTGNF223NR	\$1,487.61
		200	DTGNF224R	\$1,940.50	DTGNF224NR	\$2,310.03
	3	100	DTGNF323R	\$1,759.82	DTGNF323NR	\$1,982.71
		200	DTGNF324R	\$2,199.77	DTGNF324NR	\$2,551.73

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Voltage	Number Of Poles	Amps	NEMA 1 Indoor		NEMA 3R Outdoor		NEMA 12 / 3R Industrial		NEMA 4X Stainless Steel	
			Model Number	List Price	Model Number	List Price	Model Number	List Price	Model Number	List Price
<b>Heavy Duty Fusible (30-200 A) With Class H Fuse Spacings (2)</b>										
240 Volt AC Or 250 Volt DC	2	200	DTF224 ▲	\$4,241.15	DTF224R	\$6,234.40	---	---	---	---
	3	30	DTF321	\$1,237.73	DTF321R ▲	\$1,918.17	---	---	---	---
		60	DTF322	\$2,223.21	DTF322R ▲	\$2,984.65	---	---	---	---
		100	DTF323 ▲	\$3,726.07	DTF323R	\$4,217.66	---	---	---	---
		200	DTF324	\$5,490.61	DTF324R	\$7,203.47	---	---	---	---
		400	DTF325	\$13,100.00	---	---	---	---	---	---
600	DTF326 ▲	\$14,166.44	---	---	---	---	---	---		
600 Volt AC Or 250 Volt DC	3	30	DTF361	\$2,375.73	---	---	---	---	---	---
		60	DTF362 ▲	\$2,493.07	---	---	---	---	---	---
		100	DTF363	\$4,381.92	DTF363R	\$6,011.51	---	---	F353SSDTK ▲	\$15,214.10
		200	DTF364	\$6,809.29	DTF364R	\$8,876.47	---	---	F354SSDTK ▲	\$18,751.32
		400	DTF365	\$13,405.04	---	---	---	---	F355SSDTK (4) ▲	\$30,489.23
<b>Heavy Duty Non-Fusible (2)</b>										
240 Volt AC Or 250 Volt DC	2	30	DTNF221	\$705.09	---	---	---	---	---	---
		60	DTNF222	\$1,113.36	---	---	---	---	---	---
		100	DTNF223	\$1,558.02	---	---	---	---	---	---
		200	DTNF224	\$2,166.90	DTNF224R	\$2,765.23	---	---	---	---
		400	DTNF225	\$5,874.25	DTNF225R	\$9,041.89	---	---	---	---
	3	30	DTNF321	\$834.17	---	---	---	---	---	---
		60	DTNF322	\$1,332.78	---	---	---	---	---	---
		100	DTNF323	\$2,017.89	DTNF323R	\$2,452.01	---	---	---	---
		200	DTNF324	\$3,110.17	DTNF324R	\$3,730.79	---	---	---	---
		400	DTNF325	\$8,488.12	---	---	---	---	---	---
600 Volt AC Or 250 Volt DC	3	600	DTNF326	\$11,039.85	---	---	---	---	---	---
		800	DTNF327 ▲	\$18,141.24	---	---	---	---	---	---
		30	DTNF361	\$989.00	DTNF361R	\$1,695.28	DTNF361J	\$1,940.50	DTNF361S	\$4,851.18
		60	DTNF362	\$1,296.39	DTNF362R	\$2,141.10	DTNF362J	\$2,640.87	DTNF362S	\$6,500.74
		100	DTNF363	\$2,277.21	DTNF363R	\$3,742.53	DTNF363J	\$3,458.62	DTNF363S	\$9,708.28
		200	DTNF364	\$3,179.38	DTNF364R	\$5,152.70	DTNF364J ▲	\$7,475.64	DTNF364S	\$11,771.94
		400	DTNF365	\$8,877.62	DTNF365R	\$13,781.65	NF355HDTK	\$13,935.32	NF355SSDTK	\$24,456.59
	600	DTNF366	\$12,647.16	DTNF366R	\$17,404.48	---	---	---	---	
	800	DTNF367	\$19,822.47	DTNF367R	\$20,120.43	---	---	---	---	
	1200	DTNF368 ▲	\$25,977.07	DTNF368R	\$27,908.18	---	---	---	---	
4 (5)	30	---	---	NFR451DTK ▲	\$4,566.11	---	---	---	---	
	60	---	---	NFR452DTK ▲	\$4,862.92	---	---	---	---	
	100	---	---	NFR453DTK ▲	\$7,191.72	---	---	---	---	
	200	NF454DTK	\$5,447.20	NFR454DTK ▲	\$9,188.53	---	---	NF454SSDTK ▲	\$20,833.75	
	400	NF455DTK ▲	\$14,035.04	NFR455DTK ▲	\$19,014.10	---	---	---	---	
	600	NF456DTK ▲	\$19,512.71	NFR456DTK ▲	\$23,385.48	---	---	---	---	
800	NF457DTK ▲	\$46,776.79	NFR457DTK ▲	\$60,821.22	---	---	---	---		

▲ Built To Order - Please Allow 3-4 Weeks For Delivery.

(1) Use HS Type Hubs For 30-200A Switches - 400 A and Larger Switches Do Not Have Hub Provisions.

(2) All Heavy Duty Double Throw Switches With A Catalog Number Starting With "DT" Are Rated 200,000 AIC Max.

When Protected By Class R, J Or T Fuses. Fuse Ampere Rating Must Not Exceed Switch Ampere Rating.

(3) Move Load Base.

(4) Model Number F355SSDTK Will Accept Class T Fuses Only.

(5) 4 Pole Switches Are Not Approved For Service Entrance.



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Description		Model Number	List Price
<b>Accessories - 2 &amp; 3 Pole Switches Only (1)</b>			
Neutral Kits	30 A	HNC612	\$151.09
	60 & 100 A	HN263	\$353.12
	200 A	HNC264	\$553.40
	400 & 600 A	HN678	\$1,315.86
	800 & 1200 A	HND678	\$964.36
Equipment Ground Kit	30 - 200 A (2) # 14-4 AWG	HG61234	\$37.77
	400 & 600 A (4) # 14-2/0	HG656	\$193.25
	800 - 1200 A (8) # 6-350 Kcmil	HG678	\$375.96
Auxiliary Contacts (HD Only) (2 Required Per Switch) (4)	30 - 200 A With (1) NO & (1) NC Contacts	HA161234	\$375.96
	30 - 200 A With (2) NO & (2) NC Contacts	HA261234	\$418.12
	400 - 1200 A With (1) NO & (1) NC Contacts	HA165678	\$922.33
	400 - 1200 A With (2) NO & (2) NC Contacts	HA265678	\$964.49
Class R Fuse Clip Kits (2 Required Per Switch)	30 A, 240 V Kit	HR21	\$130.00
	30 A, 600 V Kit / 60 A, 240 V Kit	HR612	\$130.00
	60 A, 600 V Kit	HR62	\$130.00
	100 A Kit	HR63	\$84.33
	200 A Kit	HR64	\$84.33
Class T Fuse Adapter Kits (2 Required Per Pole)	100 A, 240 V Kit	HT23	\$119.46
	100 A, 600 V Kit	HT63	\$187.98
	200 A, 240 V Kit	HT24	\$159.87
	200 A, 600 V Kit	HT64	\$224.87
Type 3R Hubs (30 - 200 A)	For 3/4" Conduit	HS075	\$68.28
	For 1" Conduit	ECHS100	\$68.28
	For 1-1/4" Conduit	ECHS125	\$68.28
	For 1-1/2" Conduit	ECHS150	\$68.28
	For 2" Conduit	ECHS200	\$120.94
	For 2-1/2" Conduit	ECHS250	\$191.22
<b>Accessories - 4 Pole Switches Only (2)</b>			
Auxiliary Switch (2 Required Per Switch)	30 - 800 A (1) NO, (1) NC (4) (2) NO, (2) NC (4)	DS200EK1	\$390.66
		DS200EK2	\$780.17
Ground Lug Kit (3)	30 - 60 - 100 A	DS100GK	\$12.58
	200 A	DS200GK	\$212.34
	400 - 600 - 800 A	DS468GK	\$306.20
Hubs	30 - 60 - 100 A Use Type HR Hubs		
	200 - 400 A Use Type SSH 4, 4X Hubs		
	600 - 800 A Use Type SSH 4, 4X Hubs		
Neutrals (For Fusible Stainless and 400 A Type 12 & 4X Only)	30 - 60 - 100 A	DT100NK	\$205.32
	200 A	DT200NK	\$409.43
	400 A Fusible	DS800NK	\$512.67
<b>Replacement Parts - 2 &amp; 3 Pole Switches Only (1)</b>			
Type 1, 3R & 12 Replacement Handle	30 - 200 A	HHD61234	\$152.84

(1) Not For Fusible Stainless Or 400 A NEMA 12 Or 4X Switches.

(2) Also For Fusible Stainless & 400 A NEMA 12 Or 4X Switches.

(3) The Following Ground Lugs Are Provided As Standard In:

200 A and Larger Switches 200 - (1) #14-4 Cu/Al

400-800 A - (3) #6-250MCM Cu/Al

(4) One Auxiliary Required For Normal and One Required For Emergency Switch Line Base.