

Special Application Safety Switches Dimension Drawings

Double Throw

Selection

Description

Double throw switches are intended to transfer loads from one power source to another. All 2 & 3-pole double throw switches are suitable for use as service equipment including non-fusible versions when used in combination with a UL listed circuit breaker or fusible switch. All are UL Listed and both horsepower and load break rated. Switches are rated for use on systems up to 10,000A when protected with Class H fuses or 100,000A 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 DTF Switches

Amp Rating	Fuse Type			
	H	R	T	J
30 & 60A, 240V	Std	Yes (kit)	No	No
30 & 60A, 600V	Std	Yes (kit)	No	Yes ^③
100 & 200A	Std	Yes (kit)	Yes (kit)	Yes ^③
400 & 600A (DTF)	No	No	Yes ^③	Std



Double Throw Switches

System	Voltage	Number of Poles	Amps	Type 1 — Indoor	Type 3R — Outdoor ^①	Type 12/3R — Industrial	Type 4X — Stainless Steel
				Catalog Number	Catalog Number	Catalog Number	Catalog Number

Heavy Duty Fusible (30-200A) with Class H fuse spacings —Less Neutral^②

	240 Volt AC or 250 Volt DC	2	200	DTF224▲	DTF224R	—	—
			30	DTF321	DTF321R▲	—	—
			60	DTF322	DTF322R▲	—	—
		3	100	DTF323▲	DTF323R	—	—
			200	DTF324	DTF324R	—	—
			400	DTF325	FR325DTK ^④ ▲	—	—
	600 Volt AC, 250 Volt DC	3	600	DTF326▲	FR326DTK ^④ ▲	—	—
			30	DTF361	—	—	—
			60	DTF362▲	—	—	—
		100	DTF363	DTF363R	—	F353SSDTK ^⑤ ▲	
		200	DTF364	DTF364R	—	F354SSDTK ^⑤ ▲	
		400	DTF365	FR355DTK ^④ ▲	—	F355SSDTK ^⑤ ▲	

Heavy Duty Non-Fusible —Less Neutral^②

	240 Volt AC or 250 Volt DC	2	30	DTNF221	—	—	—
			60	DTNF222	—	—	—
			100	DTNF223	—	—	—
		3	200	DTNF224	DTNF224R	—	—
			400	DTNF225	DTNF225R	—	—
			30	DTNF321	—	—	—
			60	DTNF322	—	—	—
			100	DTNF323	DTNF323R	—	—
			200	DTNF324	DTNF324R	—	—
	600 Volt AC, or 250 Volt DC	3	400	DTNF325	—	—	—
			600	DTNF326	—	—	—
			800	DTNF327▲	—	—	—
		4 ^⑤	30	DTNF361	DTNF361R	DTNF361J	DTNF361S
			60	DTNF362	DTNF362R	DTNF362J	DTNF362S
			100	DTNF363	DTNF363R	DTNF363J	DTNF363S
			200	DTNF364	DTNF364R	DTNF364J▲	DTNF364S
			400	DTNF365	DTNF365R	NF355HDTK	NF355SSDTK
			600	DTNF366	DTNF366R	—	—
3	800	DTNF367	DTNF367R	—	—		
	1200	DTNF368▲	DTNF368R	—	—		
	30	—	NFR451DTK▲	—	—		
	60	—	NFR452DTK▲	—	—		
	100	—	NFR453DTK▲	—	—		
	200	NF454DTK	NFR454DTK▲	—	NF454SSDTK▲		
400	NF455DTK▲	NFR455DTK▲	—	—			
600	NF456DTK▲	NFR456DTK▲	—	—			
800	NF457DTK▲	NFR457DTK▲	—	—			

General Duty Non-Fusible

	Voltage	Number of Poles	Amps	Type 3R — Outdoor ^① Less Neutral	Type 3R — Outdoor ^① With Neutral	Type 3R — Outdoor General Duty With Neutral ^②
				Catalog Number	Catalog Number	Catalog Number
	240 Volt AC	2	100	DTGNF223R	DTGNF223NR	DTLNF213NR
			200	DTGNF224R	DTGNF224NR	—
	3	100	DTGNF323R	DTGNF323NR	—	
		200	DTGNF324R	DTGNF324NR	—	

▲ Built to order. Allow 3-4 weeks for delivery.

① Use HS Type hubs for 30-200A switches.

400A 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 Will accept class T Fuses only.

⑤ 4-pole switches are not approved for service entrance.

⑥ Will accept class H fuses only.

⑦ General duty Stand-by Power Panel catalog number DTLNF213NR contains (2) 100A, 2P circuit breakers rated 120/240V AC & 10,000 AIC.