

Special Application Safety Switches Dimension Drawings

Double Throw

Selection

Description

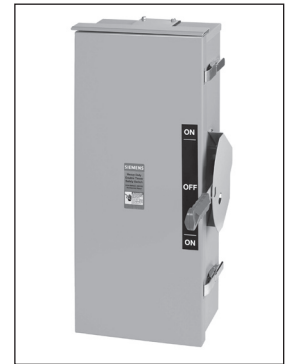
Double throw switches are intended to transfer loads from one power source to another. All 2 & 3-pole double throw switches are suitable for use as service equipment including non-fusible versions when used in combination with a UL listed circuit breaker or fusible switch. All are UL Listed and both 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▲ | — | — |
| | | | 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 ^④ ▲ |
| | | | 200 | DTF364 | DTF364R | — | F354SSDTK ^④ ▲ |
| | | | 400 | DTF365 | FR355DTK ^④ ▲ | — | F355SSDTK ^④ ▲ |

Heavy Duty Non-Fusible —Less Neutral^②

| | | | | | | | |
|-----|-----------------------------|----------------|------------|----------|------------|-----------|-------------|
| | 240 Volt AC or 250 Volt DC | 2 | 30 | DTNF221 | — | — | — |
| | | | 60 | DTNF222 | — | — | — |
| | | | 100 | DTNF223 | — | — | — |
| | | | 200 | DTNF224 | DTNF224R | — | — |
| | | | 400 | DTNF225 | DTNF225R | — | — |
| | | 3 | 30 | DTNF321 | — | — | — |
| | | | 60 | DTNF322 | — | — | — |
| | | | 100 | DTNF323 | DTNF323R | — | — |
| | | | 200 | DTNF324 | DTNF324R | — | — |
| | | | 400 | DTNF325 | — | — | — |
| | 600 Volt AC, or 250 Volt DC | 3 | 600 | DTNF326 | — | — | — |
| | | | 800 | DTNF327▲ | — | — | — |
| | | | 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 | — | — | |
| | | 800 | DTNF367 | DTNF367R | — | — | |
| | | 1200 | DTNF368▲ | DTNF368R | — | — | |
| | | 4 ^⑤ | 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.