

Heavy Duty Non-fusible Double-Throw



Double-Throw Switches

Application Description

Used to manually transfer a load from one power source to an alternate source, or to connect a single source of power to either of two different loads.

Product Description

- 30–1200A
- Horsepower rated
- 600 Vac, 250 Vdc maximum
- 2, 3, 4, 6 pole designs available
- Enclosures type 1, 3R, 12, 4, painted steel and 4X stainless steel
- 800–1200A fusible utilize common set of fuses; two Source 1 load applications
- Fusible or non-fusible
- Fusible and non-fusible switches are 100% load break and 100% load make rated

- Suitable for use on systems capable of delivering 100,000 rms symmetrical fault current when used with class J, R, or T fuses.
- The handle operating mechanism actuates either the upper or lower switch. When the handle is in the centre position, both switches are OFF.
- The handle and door are interlocked to keep the door closed when a switch is ON and hold the handle OFF when the door is open
- The continuous load current of fusible switches is not to exceed 80% of the rating of fuses employed in other than motor circuits. Non-fusible switches are 100% continuous duty rated
- Double throw switches are not approved for service entrance in Canada, per CEC and C22.2 No.4.
- Wiring configuration from factory allows a single load to be supplied by a normal or alternate source. Can be field modified to allow two loads to be alternately supplied by a single power source
- Clear line shield (provided on **fusible** double-throw) protects against accidental contact with energized parts. Probe holes enable the user to test if the line side is energized without removing the shield
- For accessories, refer to **Pages 5 and 6**
- Window option available for type 12 and 4X enclosures
- For factory modifications refer to **Pages 12 through 14**

- Same heavy duty features per page 23 for double throw switches, unless noted.
- Triple padlocking capability. Two on door and up to three 3/8" shank locks in 'OFF' (centre) handle position. Special modification available for locking in 'ON' position, see page 12 note 4.

Standards and Certifications

- CSA Certified File No. 69473
- Meets C22.2 No. 4 standard for enclosed switches.
- ISO 9001:2008



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Switching Devices

Safety Switches

240 Vac Heavy-Duty, Fusible, Double-Throw

Ampere Rating Main and Standby	Fuse Class Provision	Maximum Horsepower Ratings with Time Delay Fuses						DC 250V	Type 1 Enclosure Indoor Catalogue Number	Type 3R Enclosure Rainproof Catalogue Number
		Single-Phase AC			Three-Phase AC					
		240V	480V	600V	240V	480V	600V			
Two-Pole – 240 Vac – 250 Vdc										
200	H	15	—	—	—	—	—	40	1DT224	3DT224
Three-Pole – 240 Vac – 250 Vdc										
30	H	3	—	—	7-1/2	—	—	5	1DT321	3DT321
60	H	10	—	—	15	—	—	10	1DT322	3DT322
100	H	15	—	—	30	—	—	20	1DT323	3DT323
200	H	15	—	—	60	—	—	40	1DT324	3DT324
400	H	—	—	—	125	—	—	50	1DT325	3DT325
600 ①	T	—	—	—	50	—	—	50	1DT326	3DT326
800	T	—	—	—	—	—	—	—	DT327FGK	DT327FRK
1200	T	—	—	—	—	—	—	—	DT328FGK	DT328FRK

240 Vac Heavy-Duty, Non-Fusible, Double-Throw

Ampere Rating Main and Standby	Maximum Horsepower Ratings						DC 250V	Type 1 Enclosure Indoor Catalogue Number	Type 3R Enclosure Rainproof Catalogue Number	
	Single-Phase AC			Three-Phase AC						
	240V	480V	600V	240V	480V	600V				
Two-Pole – 240 Vac – 250 Vdc										
30		3	—	—	—	—	—	5	1DT221NF	3DT221NF
60		10	—	—	—	—	—	10	1DT222NF	3DT222NF
100		20	—	—	—	—	—	20	1DT223NF	3DT223NF
200		15	—	—	—	—	—	40	1DT224NF	3DT224NF
400		—	—	—	—	—	—	50	1DT225NF	3DT225NF
600		—	—	—	—	—	—	—	1DT226NF	3DT226NF
800		—	—	—	—	—	—	—	②	②
1200		—	—	—	—	—	—	—	②	②
Three-Pole – 240 Vac – 250 Vdc										
30		3	—	—	10	—	—	5	1DT321NF	3DT321NF
60		10	—	—	20	—	—	10	1DT322NF	3DT322NF
100		20	—	—	40	—	—	20	1DT323NF	3DT323NF
200		15	—	—	60	—	—	40	1DT324NF	3DT324NF
400		—	—	—	125	—	—	50	1DT325NF	3DT325NF
600		—	—	—	125	—	—	50	1DT326NF	3DT326NF
800		—	—	—	125	—	—	50	1DT327NF	3DT327NF
800		—	—	—	125	—	—	50	1DT327NF-N	3DT327NF-N
1200		—	—	—	125	—	—	50	②	②

Notes

① Only available for use with fast-acting fuses. Standard hp rating is shown.

② Contact Customer Support (1-800-268-3578) for availability of this product.

Note

For 'J' Fusing on 240V @ 30A, 60A, 100A, 400A, 600A not available.

For 'J' Fusing on 240V @ 200A reposition loadside fuse block to accept J fusing.

1DT363



600 Vac Heavy-Duty, Fusible, Double-Throw

Ampere Rating Main and Standby	Fuse Class Provision	Maximum Horsepower Ratings with Time Delay Fuses					Type 1 Enclosure Indoor Catalogue Number	Type 3R Enclosure Rainproof Catalogue Number	Type 12 ^③ Enclosure Dust-Tight Catalogue Number	Type 4X Enclosure ^④ Corrosion-Resistant, Stainless Steel Catalogue Number
		Single-Phase AC		Three-Phase AC		DC				
		480V	600V	480V	600V	250V				
Three-Pole – 600 Vac – 250 Vdc										
30	H	7-1/2	10	15	20	—	1DT361	3DT361	①	①
60	H	20	25	30	50	—	1DT362	3DT362	①	①
100	H	30	40	60	75	—	1DT363	3DT363	①	①
200	H	50	50	125	150	40	1DT364	3DT364	①	①
400	T	—	—	250	350	50	1DT365	3DT365	①	①④
600	T	—	—	—	—	—	1DT366	3DT366	①	①④
800	T	—	—	—	—	—	DT367FGK	DT367FRK	①	①④
1200	L	—	—	—	—	—	DT368FGK	DT368FRK	—	①④

3DT363NF



600 Vac Heavy-Duty, Non-Fusible, Double-Throw

Ampere Rating Main and Standby	Maximum Horsepower Ratings					Type 1 Enclosure Indoor Catalogue Number	Type 3R Enclosure Rainproof Catalogue Number	Type 12 ^③ Enclosure Dust-Tight Catalogue Number	Type 4X Enclosure ^④ Corrosion-Resistant, Stainless Steel Catalogue Number
	Single-Phase AC		Three-Phase AC		DC				
	480V	600V	480V	600V	250V				
Two-Pole – 600 Vac – 250 Vdc									
30	7-1/2	10	—	—	5	1DT261NF	3DT261NF	①	①
60	20	25	—	—	10	1DT262NF	3DT262NF	①	①
100	40	50	—	—	20	1DT263NF	3DT263NF	①	①
200	50	50	—	—	40	1DT264NF ^②	3DT264NF ^②	①	①
400	—	—	—	—	50	1DT265NF	3DT265NF	①	①④
600	—	—	—	—	50	1DT266NF	3DT266NF	①	①④
800	—	—	—	—	50	DT267UGK	DT267URK	①	①④
1200	—	—	—	—	50	DT268UGK	DT268URK	—	①④
Three-Pole – 600 Vac – 250 Vdc									
30	7-1/2	10	20	30	5	1DT361NF	3DT361NF	12DT361NF	4DT361NF
60	20	25	50	60	10	1DT362NF	3DT362NF	12DT362NF	4DT362NF
100	40	50	75	100	20	1DT363NF	3DT363NF	12DT363NF	4DT363NF
200	50	50	125	150	40	1DT364NF	3DT364NF	12DT364NF	4DT364NF
400	—	—	250	350	50	1DT365NF	3DT365NF	12DT365NF	①④
600	—	—	250	350	50	1DT366NF	3DT366NF	①③	①④
800	—	—	250	350	50	1DT367NF	3DT367NF	①③	①④
800	—	—	250	350	50	1DT367NF-N	3DT367NF-N	①③	①④
1200	—	—	250	350	50	DT368UGK	DT368URK	—	①④

Notes

- ① Contact Customer Support (1-800-268-3578) for availability of this product.
- ② Rated 600 Vdc, 50 hp in addition to ratings shown in table.
- ③ Type 12 enclosures (30–1200A) can be field modified to meet Type 3R rainproof requirements when a factory provided drain hole is opened.
- ④ 30-200A, stainless steel 4X standard, 400-800A Type 4 painted steel standard. For stainless @ 400-1200A add 'SS' to catalogue number suffix.

Note: For 'J' Fusing on 600V DT, 30, 60, 100, 600A not available..

For 200A reposition loadside fuse base to accept J fuse.

For 400A order DT400JK.

For applications with bonded generators, switched neutrals required, for 240V use 3 pole switch, for 600V use 4 pole switch, for factory installation of solid or switched neutrals refer to page 13.

For window option see factory modifications pages 12-14.