

Selection Guide

Circuit breakers for power distribution

T1 – Ts3



T1 1P



T1



T2



T3



Ts3

Type		Tmax T1 1p	Tmax T1	Tmax T2		Tmax T3		Tmax Ts3			Tmax Ts3				
Frame size	[A]	100	100	100		225		150			225				
Number of poles	[Nr]	1	3-4	3-4		3-4		2-3-4			2-3-4				
Rated voltage	AC (50-60Hz)	[V]	347	600Y/347		480		600Y/347		600			480		
	DC	[V]		500				500		600			500		
Interrupting ratings			B	N		S H		N S		N H L			N H L		
	240V AC	[kA rms]		50 ②		65 150		50 65		65 100 150			65 100 150		
	277V AC	[kA rms]	18 ①												
	347V AC	[kA rms]	14 ①												
	480V AC	[kA rms]		22 ②		35 65		25 35		25 50 85 ⑤			25 50 65		
	600Y/347V AC	[kA rms]		10				10 10							
	600V AC	[kA rms]								14 14 25					
	250V DC (2 poles in series)	[kA rms]		25				25 35							
500V DC (3 poles in series)	[kA rms]		25				25 35								
500V DC (2 poles in series)	[kA rms]								35 50 65			20 35 50			
600V DC (3 poles in series)	[kA rms]								20 35 50						
Trip units	TMF		■	■		■		■		■			■		
	TMD/TMA														
	ELT					■									
	MA					■		■		■			■		
	Electronic					■									
Dimensions	H	[in/mm]	5.12/130	5.12/130		5.12/130		5.9/150		6.7/170			6.7/170		
	W 3p	[in/mm]	1/25.4	3/76		3.54/90		4.13/105		4.13/105			4.13/105		
	D	[in/mm]	2.76/70	2.76/70		2.76/70		2.76/70		4.07/103.5			4.07/103.5		
Mechanical life	[No. operations]	25000	25000		25000		25000		25000			25000			

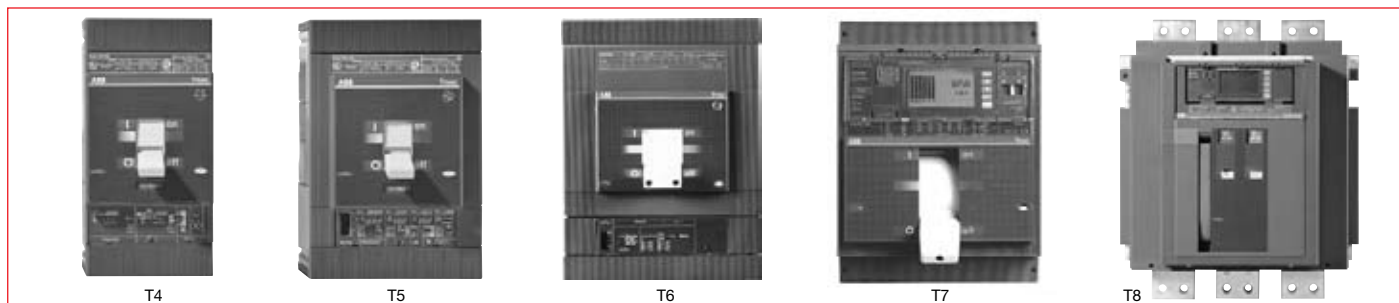
① In15A = 10kA@277VAC 10kA@347VAC
 ② In15A = 35kA@240VAC 14kA@480Y/277 VAC
 ③ T5 600 with electronic trip units only and in three pole version
 ④ 2p breakers: available only in N interrupting rating
 ⑤ In from 15A up to 30A=65kA@480V AC

Selection Guide

Circuit breakers for power distribution

T4 – T8

Tmax
MCCBs



Type		Tmax T4	Tmax T5	Tmax T6	Tmax T7/T7M	Tmax T8	
Frame size	[A]	250	400-600 ③	800	1000-1200	1600, 2000, 2500 & 3000	
Number of poles	[Nr]	2-3-4 ④	2-3-4 ④	3-4	3-4	3-4	
Rated voltage	AC (50-60Hz)	[V]	600	600	600	600	
	DC	[V]	600	600	600	600	
Interrupting ratings		N S H L V	N S H L V	N S H L	S H L	V	
	240V AC	[kA rms]	65 100 150 200 200	65 100 150 200 200	65 100 200 200	65 100 150	125
	277V AC	[kA rms]					
	347V AC	[kA rms]					
	480V AC	[kA rms]	25 35 65 100 150	25 35 65 100 150	35 50 65 100	50 65 100	125
	600Y/347V AC	[kA rms]					
	600V AC	[kA rms]	18 25 35 65 100	18 25 35 65 100	20 25 35 42	25 50 65	100
	250V DC (2 poles in series)	[kA rms]					
500V DC (3 poles in series)	[kA rms]						
500V DC (2 poles in series)	[kA rms]	25 35 50 65 100	25 35 50 65 100	35 35 50 65			
600V DC (3 poles in series)	[kA rms]	16 25 35 50 65	16 25 35 50 65	20 20 35 50			
Trip units	TMF	■					
	TMD/TMA	■	■	■			
	ELT						
	MA						
	Electronic	■	■	■	■		
Dimensions	H	[in/mm]	8.07/205	8.07/205	10.55/268	10.55/268	15 / 382
	W 3p	[in/mm]	4.13/105	5.51/140	8.26/210	8.26/210	16.8 / 427
	D	[in/mm]	4.07/103.5	4.07/103.5	4.07/103.5	6.06/154 (toggle) 7/178 (motor)	11.2 / 282
Mechanical life	[No. operations]	20,000	20,000	20,000	10,000	15,000	

① In15A = 10kA@277 VAC 10kA@347 VAC
 ② In15A = 35kA@240 VAC 14kA@480Y/277 VAC
 ③ T5 600 with electronic trip units only and in three pole version-
 ④ 2p T4N250 and T5N400 available only in N interrupting capacity.
 ⑤ In from 15A up to 30A=65kA@480 VAC
 ⑥ Applies to MCS only.

T1

100A, 600Y/347V, 480V Δ

Thermal-magnetic/Molded Case Switch

T1B TMF — Single pole thermal magnetic fixed ①

Breaker	IC at 277VAC	Rating	Magnetic trip	1 pole, 277VAC catalog number	List price
T1B	10kA	15A	1000A	T1B015TL-1	\$ 230
		18kA	20A	1000A	
	25A		1000A	T1B025TL-1	
	30A		1000A	T1B030TL-1	
	40A		1000A	T1B040TL-1	
	50A		1500A	T1B050TL-1	
	60A		1500A	T1B060TL-1	
	70A	1500A	T1B070TL-1	262	
		80A	1500A		
		90A	1500A		
100A		1500A			

T1N TMF — 3 pole thermal magnetic fixed

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole, 600Y/347VAC/500VDC catalog number	List price
T1N	14kA	15A	1000A	T1N015TL ②	\$ 402
		22kA	20A	1000A	
	25A		1000A	T1N025TL	
	30A		1000A	T1N030TL	
	40A		1000A	T1N040TL	
	50A		1500A	T1N050TL	
	60A		1500A	T1N060TL	
	70A	1500A	T1N070TL	479	
		80A	1500A		
		90A	1500A		
100A		1500A			

T1N TMF — 100% Rated thermal-magnetic

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole 600Y/347 500VDC catalog number	List price
T1N	14kA	15 ①	1000A	T1NQ015TL	\$ 442
		22kA	20	1000A	
	25		1000A	T1NQ025TL	
	30		1000A	T1NQ030TL	
	40		1000A	T1NQ040TL	
	50		1500A	T1NQ050TL	
	60		1500A	T1NQ060TL	
	70	1500A	T1NQ070TL	527	
		80	1500A		
		90	1500A		
100		1500A			

T1N-D — Molded case switch

Breaker	Interrupting capacity ③	Rating	Magnetic trip	480VAC/500VDC catalog number	List price
T1-D	240V, 50kA	100A	1000A	T1N100DL	\$ 431

① Electrical/mechanical accessories cannot be installed on single pole breakers.

② Rated 480Y/277 VAC for 15A.

③ When protected by a OCPD with appropriate ratings.

T3

225A, 600Y/347V, 480V Δ
MCP/Molded case switch

T3 – 225A Frame instantaneous only, (MCP)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC catalog number	List price
T3S	35kA	Mag only	100A	600 – 1200	T3S100MW	\$ 1,074
			125A	750 - 1500	T3S125MW	1,108
			150A	900 - 1800	T3S150MW	1,299
			200A	1200 - 2400	T3S200MW	1,382

T3S-D – Molded case switch

Breaker	Interrupting ^① capacity	Rating	Magnetic trip	3 pole, 480VAC/500VDC catalog number	List price
T3S-D	240V, 65kA 480V, 35kA	150A	1500A	T3S150DW	\$ 1,078
		225A	2250A	T3S225DW	1,515

NOTE: See pages 16.57 - 16.70 for electrical/mechanical accessories.

^① When protected by a OCPD with appropriate ratings.

Ts3
150/225A 600VAC
MCP/Molded case switch

Magnetic only (MCP)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole 600VAC Catalog number	List Price
Ts3L	25	Magnetic only	3	12-36	Ts3L003MW	\$ 726
	25	Magnetic only	5	20-60	Ts3L005MW	726
	25	Magnetic only	10	40-120	Ts3L010MW	726
	25	Magnetic only	25	100-300	Ts3L025MW	726
	85	Magnetic only	50	200-600	Ts3L050MW	920
Ts3L	85	Magnetic only	100	400-1200	Ts3L100MW	1,095
	85	Magnetic only	125	500-1500	Ts3L125MW	1,448
	85	Magnetic only	150	600-1500	Ts3L150MW	1,448
	65	Magnetic only	175 ①	700-2100	Ts3L175MW	1,448
	65	Magnetic only	200 ①	800-2400	Ts3L200MW	1,517

Molded Case Switch ②

Type	IC at 480V (2)	Magnetic trip	Amps	3 pole 600V catalog number	List price
Ts3H	50	1500	150	Ts3H150DW	\$ 1,060
	50	2250	225 ①	Ts3H225DW	1,188

NOTE: See pages 16.57 - 16.70 for electrical/mechanical accessories.

① When protected by a OCPD with appropriate ratings.
② 480 VAC maximum

T4

250A, 600V Δ

Instantaneous only, MCP/Molded case switch

Instantaneous only MCPs

T4 - 250A Frame magnetic only (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 600VAC Catalog number	List price
T4N	25kA	Instantaneous only	100A	100-1000	T4N100E5W	\$ 1,808
			150A	150-1500	T4N150E5W	1,948
			250A	250-2500	T4N250E5W	2,006
T4S	35kA	Instantaneous only	100A	100-1000	T4S100E5W	2,252
			150A	150-1500	T4S150E5W	2,415
			250A	250-2500	T4S250E5W	2,444
T4H	65kA	Instantaneous only	100A	100-1000	T4H100E5W	4,273
			150A	150-1500	T4H150E5W	4,401
			250A	250-2500	T4H250E5W	4,477
T4L	100kA	Instantaneous only	100A	100-1000	T4L100E5W	5,656
			150A	150-1500	T4L150E5W	5,865
			250A	250-2500	T4L250E5W	5,985

Molded case switch ①

Type	IC at 480VAC	Amps	Magnetic trip	3 pole 600V catalog number	List price
T4N-D	25kA	250	3000	T4N250DW	\$ 1,354
T4S-D	35kA	250	3000	T4S250DW	1,510
T4H-D	65kA	250	3000	T4H250DW	2,154
T4L-D	100kA	250	3000	T4L250DW	3,419
T4V-D	150kA	250	3000	T4V250DW	3,842

NOTE: See pages 16.57 - 16.70 for electrical/mechanical accessories.

T5

400/600A, 600V Δ

Instantaneous only, MCP/Molded case switch



T5 - 400A Frame, magnetic only (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 600VAC Catalog number	List price
T5N	25kA	Instantaneous only	300A 400A	300-3000 400-4000	T5N300E5W T5N400E5W	\$ 3,097
T5S	35kA	Instantaneous only	300A 400A	300-3000 400-4000	T5S300E5W T5S400E5W	3,183
T5H	65kA	Instantaneous only	300A 400A	300-3000 400-4000	T5H300E5W T5H400E5W	5,125
T5L	100kA	Instantaneous only	300A 400A	300-3000 400-4000	T5L300E5W T5L400E5W	6,517

T5 - 600A Frame, magnetic only (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 600VAC Catalog number	List price
T5N	25kA	Instantaneous only	600A	600-6000	T5N600E5W	\$ 5,615
T5S	35kA	Instantaneous only	600A	600-6000	T5S600E5W	5,770
T5H	65kA	Instantaneous only	600A	600-6000	T5H600E5W	7,761
T5L	100kA	Instantaneous only	600A	600-6000	T5L600E5W	9,370

Molded case switch ①

Type	IC at 480VAC	Amps	Magnetic trip	3 pole 600V catalog number	List price
T5N-D	25kA	400	5000	T5N400DW	\$ 2,393
T5S-D	35kA	400	5000	T5S400DW	2,659
T5H-D	65kA	400	5000	T5H400DW	4,585
T5L-D	100kA	400	5000	T5L400DW	5,878
T5V-D	150kA	400	5000	T5V400DW	7,536
T5N-D	25kA	600	6000	T5N600DW	3,419
T5S-D	35kA	600	6000	T5S600DW	3,799
T5H-D	65kA	600	6000	T5H600DW	6,550
T5L-D	100kA	600	6000	T5L600DW	8,350
T5V-D	150kA	600	6000	T5V600DW	11,575

NOTE: See pages 16.57 - 16.70 for electrical/mechanical accessories.

① When protected by a OCPD with appropriate ratings.

T6

600A, 800A, 600V Δ

Thermal magnetic and electronic

T6 600A, 600V Δ

Electronic Trip Units 100% Rated

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number	List price
T6N	35	PR221	LS/I	T6NQ600BW	\$ 7,590
		PR222	LSI	T6NQ600CW	7,216
		PR222	LSIG	T6NQ600EW	9,240
T6S	50	PR221	LS/I	T6SQ600BW	8,030
		PR222	LSI	T6SQ600CW	8,580
		PR222	LSIG	T6SQ600EW	9,680
T6H	65	PR221	LS/I	T6HQ600BW	10,230
		PR222	LSI	T6HQ600CW	10,780
		PR222	LSIG	T6HQ600EW	12,980
T6L	100	PR221	LS/I	T6LQ600BW	10,505
		PR222	LSI	T6LQ600CW	11,605
		PR222	LSIG	T6LQ600EW	12,713

T6 800A, 600V

Electronic Trip Units 100% Rated

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number	List price
T6N	35	PR221	LS/I	T6NQ800BW	\$ 8,910
		PR222	LSI	T6NQ800CW	9,460
		PR222	LSIG	T6NQ800EW	11,660
T6S	50	PR221	LS/I	T6SQ800BW	10,010
		PR222	LSI	T6SQ800CW	10,560
		PR222	LSIG	T6SQ800EW	12,760
T6H	65	PR221	LS/I	T6HQ800BW	10,230
		PR222	LSI	T6HQ800CW	10,780
		PR222	LSIG	T6HQ800EW	12,980
T6L	100	PR221	LS/I	T6LQ800BW	12,062
		PR222	LSI	T6LQ800CW	12,612
		PR222	LSIG	T6LQ800EW	14,812

T6 600A, 600V Δ

Electronic Trip Units Instantaneous Only

Breaker	IC at 480VAC	kA	Trip type	Adjustment Range	3 pole, 600VAC catalog number	List price
T6N	35		PR221	600-6000	T6N600E5W	\$ 5,929
T6S	50		PR221	600-6000	T6S600E5W	6,407
T6H	65		PR221	600-6000	T6H600E5W	6,623
T6L	100		PR221	600-6000	T6L600E5W	8,635

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T6 800A, 600V

Electronic Trip Units Instantaneous Only

Breaker	IC at 480VAC	kA	Trip type	Adjustment Range	3 pole, 600VAC catalog number	List price
T6N	35		PR221	800-8000	T6N800E5W	\$ 6,254
T6S	50		PR221	800-8000	T6S800E5W	6,733
T6H	65		PR221	800-8000	T6H800E5W	6,948
T6L	100		PR221	800-8000	T6L800E5W	8,961

T6 800A, 600V

Molded Case Switch

Breaker	IC at 480VAC ①	Amp	Magnetic Trip	3 pole, 600VAC catalog number	List price
T6H	65	800	10,000	T6H800DW	\$ 4,824

NOTE: See pages 16.57 - 16.70 for electrical/mechanical accessories.

① When protected by a OCPD with appropriate ratings.

T7
1200A, 600V Δ
Electronic/Molded case switch

T7
1200A, 600V
Molded case switch

Breaker	IC at 480VAC kA ①	Amp	Magnetic trip	3 pole, 600VAC catalog number	List price
T7H	-	1200	20,000	T7H1200DW	Consult factory

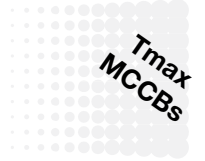
Call for availability!

NOTE: See pages 16.57 - 16.70 for electrical/mechanical accessories.

① When protected by a OCPD with appropriate ratings.

T7M

1200A, 600V Δ - Molded Case Switch



T7
1200A, 600V
Molded case switch

Breaker	IC at 480VAC kA	Amp	Magnetic override	3 pole, 600VAC catalog number	List price
T7M-H	-	1200	20,000	T7MH0B30D000000XX	Consult factory

Call for availability!