

T5

400/600A, 600V Δ

Electronic and thermal magnetic



T5

Dimensions 3P Fixed Version 8.07H x 5.51W x 4.07D
Weight 8.55 (lbs)

General

The T5 breaker is a 400/600 amp frame with either a microprocessor based over current protective trip system or a thermal magnetic trip unit. ③

Standards

The UL489/CSA 22.2 version of T5 also carries an IEC-60947-2 rating.

Versions

To meet all application requirements, the T5 is available in the following versions:

- T = Thermal-magnetic
- B = Selectable & adjustable LI or LS
- C = Adjustable LSI
- E = Adjustable LSI^G
- D = Molded Case Switch
- E5 = Electronic instantaneous only (MCP)

Trip functions

These trip functions are available:

- L = Long time
- S = Short time
- I = Instantaneous
- G = Ground fault

Performance levels

Each version is also available in different maximum fault interrupting levels:

- N = Normal
- S = Standard
- H = High - UL Current Limiting
- L = Extra high
- V = Very high - UL Current Limiting

Number of poles ④

The T5 is available in two, three and four pole versions. Estimate 4 pole pricing by adding 35% to the 3 pole price and contact your ABB sales person for details.

UL489 / CSA C22.2 Interrupting capacity (kA RMS)

Voltage	N	S	H	L	V
240VAC	65	100	150	200	200
480VAC	25	35	65	100	150
600VAC	18	25	35	65	100
500VDC ①	25	35	50	65	100
600VDC ②	16	25	35	50	65

IEC 60947-2 Interrupting capacity (kA RMS)

Voltage	N	S	H	L	V
230VAC	70	85	100	200	200
415VAC	36	50	70	120	200
690VAC	20	25	40	70	80
750VDC	16	25	36	50	70

① 2 poles in series.

② 3 poles in series.

③ T5 600A not available with thermal magnetic trip unit.

④ 2 pole available in N version only. 4 pole available in N and H version only.

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Thermal magnetic ①

300A - 400A Frames - thermal-magnetic trip units

Breaker	IC at 480VAC kA	Rating	Magnetic trip	2 pole, 600VAC/600VDC catalog number	List price	3 pole, 600VAC/600VDC catalog number	List price
T5N	25	300A 400A	1500-3000 2000-4000	T5N300TW-2 T5N400TW-2	\$ 2,481	T5N300TW T5N400TW	\$ 2,612
T5S	35	300A 400A	1500-3000 2000-4000	-	-	T5S300TW T5S400TW	2,880
T5H UL Current Limiting	65	300A 400A	1500-3000 2000-4000	-	-	T5H300TW T5H400TW	4,950
T5L	100	300A 400A	1500-3000 2000-4000	-	-	T5L300TW T5L400TW	6,400
T5V UL Current Limiting	150	300A 400A	1500-3000 2000-4000	-	-	T5V300TW T5V400TW	9,873

300A - 400A Frames - 100% rated, thermal-magnetic

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole, 600VAC/600VDC Catalog number	List price
T5N	25	300A 400A	1500-3000 2000-4000	T5NQ300TW T5NQ400TW	\$ 2,888
T5S	35	300A 400A	1500-3000 2000-4000	T5SQ300TW T5SQ400TW	3,185
T5H UL Current Limiting	65	300A 400A	1500-3000 2000-4000	T5HQ300TW T5HQ400TW	5,475
T5L	100	300A 400A	1500-3000 2000-4000	T5LQ300TW T5LQ400TW	7,078
T5V UL Current Limiting	150	300A 400A	1500-3000 2000-4000	T5VQ300TW T5VQ400TW	10,920

① T5 600A not available with Thermal Magnetic trip unit.

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400/600A, 600V Δ

Electronic (AC only)

Tmax
MCCBs

300A Frame, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	List price	3 pole, 600V catalog number	List price
T5N	25	PR221 LS/I	T5N300BW-2	\$ 3,097	T5N300BW	\$ 3,260
		PR222 LSI	T5N300CW-2	3,672	T5N300CW	3,865
		PR222 LSIG	T5N300EW-2	4,717	T5N300EW	4,965
T5S	35	PR221 LS/I	-	-	T5S300BW	3,350
		PR222 LSI	-	-	T5S300CW	3,945
		PR222 LSIG	-	-	T5S300EW	5,138
T5H UL Current Limiting	65	PR221 LS/I	-	-	T5H300BW	5,395
		PR222 LSI	-	-	T5H300CW	5,893
		PR222 LSIG	-	-	T5H300EW	7,148
T5L	100	PR221 LS/I	-	-	T5L300BW	6,860
		PR222 LSI	-	-	T5L300CW	7,375
		PR222 LSIG	-	-	T5L300EW	8,625
T5V UL Current Limiting	150	PR221 LS/I	-	-	T5V300BW	10,406
		PR222 LSI	-	-	T5V300CW	11,206
		PR222 LSIG	-	-	T5V300EW	12,111

400A Frame, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	List price	3 pole, 600V catalog number	List price
T5N	25	PR221 LS/I	T5N400BW-2	\$ 3,097	T5N400BW	\$ 3,260
		PR222 LSI	T5N400CW-2	3,672	T5N400CW	3,865
		PR222 LSIG	T5N400EW-2	4,717	T5N400EW	4,965
T5S	35	PR221 LS/I	-	-	T5S400BW	3,350
		PR222 LSI	-	-	T5S400CW	3,945
		PR222 LSIG	-	-	T5S400EW	5,138
T5H UL Current Limiting	65	PR221 LS/I	-	-	T5H400BW	5,395
		PR222 LSI	-	-	T5H400CW	5,893
		PR222 LSIG	-	-	T5H400EW	7,148
T5L	100	PR221 LS/I	-	-	T5L400BW	6,860
		PR222 LSI	-	-	T5L400CW	7,375
		PR222 LSIG	-	-	T5L400EW	8,625
T5V UL Current Limiting	150	PR221 LS/I	-	-	T5V400BW	10,406
		PR222 LSI	-	-	T5V400CW	11,206
		PR222 LSIG	-	-	T5V400EW	12,111

600A Frame, electronic trip unit (AC only) ①

Breaker	IC at 480VAC kA	Trip Unit	3 pole, 600V catalog number	List price
T5N	25	PR221 LS/I	T5N600BW	\$ 5,750
		PR222 LSI	T5N600CW	6,460
		PR222 LSIG	T5N600EW	8,360
T5S	35	PR221 LS/I	T5S600BW	5,910
		PR222 LSI	T5S600CW	6,595
		PR222 LSIG	T5S600EW	8,645
T5H	65	PR221 LS/I	T5H600BW	8,170
		PR222 LSI	T5H600CW	8,805
		PR222 LSIG	T5H600EW	10,890
T5L	100	PR221 LS/I	T5L600BW	9,860
		PR222 LSI	T5L600CW	10,440
		PR222 LSIG	T5L600EW	12,630
T5V	150	PR221 LS/I	T5V600BW	13,550
		PR222 LSI	T5V600CW	14,375
		PR222 LSIG	T5V600EW	16,350

① T5 600A not available in 2 pole version.

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400/600A, 600V Δ, 100% Rated ①

Electronic (AC only)

300A Frame – 100% rated, electronic trip units (AC only)

Breaker	IC at 480VAC kA	Trip Unit	3 pole, 600V catalog number	List price
T5N	25	PR221 LS/I	T5NQ300BW	\$ 3,628
		PR222 LSI	T5NQ300CW	4,302
		PR222 LSIg	T5NQ300EW	5,526
T5S	35	PR221 LS/I	T5SQ300BW	3,729
		PR222 LSI	T5SQ300CW	4,391
		PR222 LSIg	T5SQ300EW	5,719
T5H UL Current limiting	65	PR221 LS/I	T5HQ300BW	6,005
		PR222 LSI	T5HQ300CW	6,559
		PR222 LSIg	T5HQ300EW	7,956
T5L	100	PR221 LS/I	T5LQ300BW	7,635
		PR222 LSI	T5LQ300CW	8,208
		PR222 LSIg	T5LQ300EW	9,600
T5V UL Current limiting	150	PR221 LS/I	T5VQ300BW	11,582
		PR222 LSI	T5VQ300CW	12,473
		PR222 LSIg	T5VQ300EW	13,480

400A Frame – 100% rated, electronic trip units (AC only)

Breaker	IC at 480VAC kA	Trip Unit	3 pole, 600V catalog number	List price
T5N	25	PR221 LS/I	T5NQ400BW	\$ 3,628
		PR222 LSI	T5NQ400CW	4,302
		PR222 LSIg	T5NQ400EW	5,526
T5S	35	PR221 LS/I	T5SQ400BW	3,729
		PR222 LSI	T5SQ400CW	4,391
		PR222 LSIg	T5SQ400EW	5,719
T5H UL Current limiting	65	PR221 LS/I	T5HQ400BW	6,005
		PR222 LSI	T5HQ400CW	6,559
		PR222 LSIg	T5HQ400EW	7,956
T5L	100	PR221 LS/I	T5LQ400BW	7,635
		PR222 LSI	T5LQ400CW	8,208
		PR222 LSIg	T5LQ400EW	9,600
T5V UL Current limiting	150	PR221 LS/I	T5VQ400BW	11,582
		PR222 LSI	T5VQ400CW	12,473
		PR222 LSIg	T5VQ400EW	13,480

① T5 600A not available in 100% rated frame.

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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: For terminal connection options see page 16.43.

① When protected by a OCPD with appropriate ratings.