

T6

600A, 800A, 600V Δ

Thermal magnetic and electronic



Dimensions 3P Fixed Version 10.55H x 8.26W x 4.07D
Weight 20.9 (lbs)

General

The T6 breaker is an 800 amp frame with either a microprocessor based over current protective trip system or a thermal magnetic trip unit. The T6 is available as a 600 or 800A frame.

Standards

The UL489/CSA 22.2 version of T6 also carries an IEC-60947-2 rating.

Versions

To meet all application requirements, the T6 is available in the following versions:

- T = Thermal-magnetic, fixed
- B = Selectable & adjustable LI or LS
- C = Adjustable LSI
- E = Adjustable LSIG
- 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
- L = Extra high

Number of poles ^③

The T6 is available as a 3 and 4 pole breaker. 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
240VAC	65	100	200	200
480VAC	35	50	65	100
600VAC	20	25	35	42
500VDC ^①	35	35	50	65
600VDC ^②	20	20	35	50

IEC 60947-2 Interrupting capacity (kA RMS)

Voltage	N	S	H	L
230VAC	70	85	100	200
415VAC	36	50	70	100
600VAC	20	22	25	30
750VDC ^②	16	20	36	50

^① 2 poles in series.

^② 3 poles in series.

^③ 4 pole available N and H version only.

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Thermal Magnetic Trip Units

Breaker	IC at 480 VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC catalog number	List price
T6N	35	600A	3000 - 6000A	T6N600TW	\$ 6,700
		800A	4000 - 8000A	T6N800TW	7,400
T6S	50	600A	3000 - 6000A	T6S600TW	7,100
		800A	4000 - 8000A	T6S800TW	7,800
T6H	65	600A	3000 - 6000A	T6H600TW	7,300
		800A	4000 - 8000A	T6H800TW	8,050
T6L	100	600A	3000 - 6000A	T6L600TW	9,300
		800A	4000 - 8000A	T6L800TW	9,968

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Thermal Magnetic Trip Units 100% rated

Breaker	IC at 480 VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC catalog number	List price
T6N	35	600A	3000 - 6000A	T6NQ600TW	\$ 7,370
		800A	4000 - 8000A	T6NQ800TW	8,140
T6S	50	600A	3000 - 6000A	T6SQ600TW	7,810
		800A	4000 - 8000A	T6SQ800TW	8,580
T6H	65	600A	3000 - 6000A	T6HQ600TW	8,030
		800A	4000 - 8000A	T6HQ800TW	8,855
T6L	100	600A	3000 - 6000A	T6LQ600TW	10,230
		800A	4000 - 8000A	T6LQ800TW	10,965

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600A, 600V

Electronic Trip Units

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number	List price
T6N	35	PR221	LS/I	T6N600BW	\$ 6,900
		PR222	LSI	T6N600CW	6,560
		PR222	LSIG	T6N600EW	8,400
T6S	50	PR221	LS/I	T6S600BW	7,300
		PR222	LSI	T6S600CW	7,800
		PR222	LSIG	T6S600EW	8,800
T6H	65	PR221	LS/I	T6H600BW	7,550
		PR222	LSI	T6H600CW	8,050
		PR222	LSIG	T6H600EW	9,050
T6L	100	PR221	LS/I	T6L600BW	9,550
		PR222	LSI	T6L600CW	10,425
		PR222	LSIG	T6L600EW	11,557

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800A, 600V

Electronic Trip Units

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number	List price
T6N	35	PR221	LS/I	T6N800BW	\$ 8,100
		PR222	LSI	T6N800CW	8,600
		PR222	LSIG	T6N800EW	10,600
T6S	50	PR221	LS/I	T6S800BW	9,100
		PR222	LSI	T6S800CW	9,600
		PR222	LSIG	T6S800EW	11,600
T6H	65	PR221	LS/I	T6H800BW	9,300
		PR222	LSI	T6H800CW	9,800
		PR222	LSIG	T6H800EW	11,800
T6L	100	PR221	LS/I	T6L800BW	10,965
		PR222	LSI	T6L800CW	11,465
		PR222	LSIG	T6L800EW	13,465



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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	\$ 6,496
		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

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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	8,305
		PR222	LSI	T6HQ800CW	10,667
		PR222	LSIG	T6HQ800EW	11,667
T6L	100	PR221	LS/I	T6LQ800BW	12,062
		PR222	LSI	T6LQ800CW	12,612
		PR222	LSIG	T6LQ800EW	14,812

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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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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

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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: For terminal connection options see page 16.43

① When protected by a OCPD with appropriate ratings.