

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)



T6

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

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
690VAC	20	22	25	30
750VDC ②	16	20	36	50

17 Number of poles ③

The T6 is available as a three and four pole breaker. Estimate 4 pole pricing by adding 35% to the 3 pole price and contact your ABB sales person for details.

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
T6N	35	600A	3000 - 6000A	T6N600TW
		800A	4000 - 8000A	T6N800TW
T6S	50	600A	3000 - 6000A	T6S600TW
		800A	4000 - 8000A	T6S800TW
T6H	65	600A	3000 - 6000A	T6H600TW
		800A	4000 - 8000A	T6H800TW
T6L	100	600A	3000 - 6000A	T6L600TW
		800A	4000 - 8000A	T6L800TW

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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
T6N	35	600A	3000 - 6000A	T6NQ600TW
		800A	4000 - 8000A	T6NQ800TW
T6S	50	600A	3000 - 6000A	T6SQ600TW
		800A	4000 - 8000A	T6SQ800TW
T6H	65	600A	3000 - 6000A	T6HQ600TW
		800A	4000 - 8000A	T6HQ800TW
T6L	100	600A	3000 - 6000A	T6LQ600TW
		800A	4000 - 8000A	T6LQ800TW

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600A, 600V

Electronic Trip Units

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number
T6N	35	PR221	LS/I	T6N600BW
		PR222	LSI	T6N600CW
		PR222	LSIG	T6N600EW
T6S	50	PR221	LS/I	T6S600BW
		PR222	LSI	T6S600CW
		PR222	LSIG	T6S600EW
T6H	65	PR221	LS/I	T6H600BW
		PR222	LSI	T6H600CW
		PR222	LSIG	T6H600EW
T6L	100	PR221	LS/I	T6L600BW
		PR222	LSI	T6L600CW
		PR222	LSIG	T6L600EW

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800A, 600V

Electronic Trip Units

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number
T6N	35	PR221	LS/I	T6N800BW
		PR222	LSI	T6N800CW
		PR222	LSIG	T6N800EW
T6S	50	PR221	LS/I	T6S800BW
		PR222	LSI	T6S800CW
		PR222	LSIG	T6S800EW
T6H	65	PR221	LS/I	T6H800BW
		PR222	LSI	T6H800CW
		PR222	LSIG	T6H800EW
T6L	100	PR221	LS/I	T6L800BW
		PR222	LSI	T6L800CW
		PR222	LSIG	T6L800EW

NOTE: See pages 17.71-17.83 for electrical/mechanical accessories.

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T6 600A, 600V Δ Electronic Trip Units 100% Rated

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number
T6N	35	PR221	LS/I	T6NQ600BW
		PR222	LSI	T6NQ600CW
		PR222	LSIG	T6NQ600EW
T6S	50	PR221	LS/I	T6SQ600BW
		PR222	LSI	T6SQ600CW
		PR222	LSIG	T6SQ600EW
T6H	65	PR221	LS/I	T6HQ600BW
		PR222	LSI	T6HQ600CW
		PR222	LSIG	T6HQ600EW
T6L	100	PR221	LS/I	T6LQ600BW
		PR222	LSI	T6LQ600CW
		PR222	LSIG	T6LQ600EW

T6 800A, 600V Electronic Trip Units 100% Rated

Breaker	IC at 480VAC	Trip type	Adjustment	3 pole, 600VAC catalog number
T6N	35	PR221	LS/I	T6NQ800BW
		PR222	LSI	T6NQ800CW
		PR222	LSIG	T6NQ800EW
T6S	50	PR221	LS/I	T6SQ800BW
		PR222	LSI	T6SQ800CW
		PR222	LSIG	T6SQ800EW
T6H	65	PR221	LS/I	T6HQ800BW
		PR222	LSI	T6HQ800CW
		PR222	LSIG	T6HQ800EW
T6L	100	PR221	LS/I	T6LQ800BW
		PR222	LSI	T6LQ800CW
		PR222	LSIG	T6LQ800EW

T6 600A, 600V Δ Electronic Trip Units Instantaneous Only

Breaker	IC at 480VAC	kA	Trip type	Adjustment Range	3 pole, 600VAC catalog number
T6N	35		PR221	600-6000	T6N600E5W
T6S	50		PR221	600-6000	T6S600E5W
T6H	65		PR221	600-6000	T6H600E5W
T6L	100		PR221	600-6000	T6L600E5W

T6 800A, 600V Electronic Trip Units Instantaneous Only

Breaker	IC at 480VAC	kA	Trip type	Adjustment Range	3 pole, 600VAC catalog number
T6N	35		PR221	800-8000	T6N800E5W
T6S	50		PR221	800-8000	T6S800E5W
T6H	65		PR221	800-8000	T6H800E5W
T6L	100		PR221	800-8000	T6L800E5W

T6 800A, 600V Molded Case Switch

Breaker	IC at 480VAC ①	Amp	Magnetic Trip	3 pole, 600VAC catalog number
T6H	65	800	10,000	T6H800DW

① When protected by a OCPD with appropriate ratings.