

T2

100A, 480V Δ

Thermal-magnetic/electronic/current limiting

Dimensions 3P Fixed Version 5.12H x 3.54W x 2.76D
Weight 2.84 (lbs)



T2

General

The T2 breaker family ranges from 15 through 100 amperes. The T2 trip units are non-interchangeable and use the very latest technology in electromagnetic relays for overcurrent trip protection as well as a version with microprocessor-based electronic trip unit. Thermal overload protection is provided by heat sensitive bimetals. State of the art construction in contacts and arcing chambers aid in limiting damaging fault currents through the protected circuits.

Standards

The UL489/CSA 22.2 version of T2 also carries an IEC-60947-2 rating.

Versions

The T2 frame is available in four versions:

- T = Thermal-magnetic, fixed
- B = Adjustable LS/I electronic
- M = Magnetic only (MCP)
- E5 = Electronic instantaneous only (MCP)

Trip functions

These tripping functions are available:

- L = Long time
- S = Short time
- I = Instantaneous

Performance levels

The T2 breaker has two performance levels available:

- S = Standard
- H = High - UL Current Limiting

Number of poles

The T2 is available in 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	Continuous rating	S	H
240VAC	15 – 100A	65	150
480VAC Δ	15 – 100A	35	65

IEC 60947-2 Interrupting capacity (kA RMS)

Voltage	Continuous rating	S	H
230VAC	15 – 100A	85	100
415VAC	15 – 100A	50	70
690VAC	15 – 100A	7	8
500VDC 3 pole series	15 – 100A	50	70

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100A, 480V Δ

Thermal-magnetic/current limiting

T2 — 100A TMF thermal magnetic fixed

Breaker	IC at 480VAC	Rating (A)	Magnetic trip (A)	3 pole, 480VAC Catalog number
T2S	35kA	15	500	T2S015TW
		20	500	T2S020TW
		25	500	T2S025TW
		30	500	T2S030TW
		40	500	T2S040TW
		50	500	T2S050TW
		60	600	T2S060TW
		70	700	T2S070TW
		80	800	T2S080TW
		90	900	T2S090TW
		100	1000	T2S100TW
T2H UL current limiting	65kA	15	500	T2H015TW
		20	500	T2H020TW
		25	500	T2H025TW
		30	500	T2H030TW
		40	500	T2H040TW
		50	500	T2H050TW
		60	600	T2H060TW
		70	700	T2H070TW
		80	800	T2H080TW
		90	900	T2H090TW
		100	1000	T2H100TW

T2 – 100A TMF, 100% rated thermal magnetic fixed

Breaker	IC at 480VAC	Rating (A)	Magnetic trip (A)	3 pole, 480VAC Catalog number
T2S	35kA	15	500	T2SQ015TW
		20	500	T2SQ020TW
		25	500	T2SQ025TW
		30	500	T2SQ030TW
		40	500	T2SQ040TW
		50	500	T2SQ050TW
		60	600	T2SQ060TW
		70	700	T2SQ070TW
		80	800	T2SQ080TW
		90	900	T2SQ090TW
		100	1000	T2SQ100TW
T2H UL current limiting	65kA	15	500	T2HQ015TW
		20	500	T2HQ020TW
		25	500	T2HQ025TW
		30	500	T2HQ030TW
		40	500	T2HQ040TW
		50	500	T2HQ050TW
		60	600	T2HQ060TW
		70	700	T2HQ070TW
		80	800	T2HQ080TW
		90	900	T2HQ090TW
		100	1000	T2HQ100TW

T2

100A, 480V Δ, 100% rated
Electronic/Current limiting/MCP

T2 — 100A Frame, electronic trip unit (AC only)

Breaker	IC at 480VAC	Trip unit type	CT rating	3 pole, 480VAC catalog number
T2S	35kA	PR221DS-LS/I	25A	T2S025BW
			60A	T2S060BW
			100A	T2S100BW
T2H UL Current Limiting	65kA	PR221DS-LS/I	25A	T2H025BW
			60A	T2H060BW
			100A	T2H100BW

T2 — 100A Frame 100% rated, electronic trip unit (AC only)

Breaker	IC at 480VAC	Trip unit type	CT rating	3 pole, 480VAC catalog number
T2S	35kA	PR221DS-LS/I	25A	T2SQ025BW
			60A	T2SQ060BW
			100A	T2SQ100BW
T2H UL Current Limiting	65kA	PR221DS-LS/I	25A	T2HQ025BW
			60A	T2HQ060BW
			100A	T2HQ100BW

T2 — 100A Frame, instantaneous only (MCP)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC Catalog number
T2S	35kA	Mag only	20A	120 - 240	T2S020MW
			50A	300 - 600	T2S050MW
			100A	600 - 1200	T2S100MW
T2H	65kA	Mag only	20A	120 - 240	T2H020MW
			50A	300 - 600	T2H050MW
			100A	600 - 1200	T2H100MW

T2 — 100A Frame, instantaneous only, electronic (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC Catalog number
T2S	35kA	Instantaneous only	25A	25 - 250	T2S025E5W
			60A	60 - 600	T2S060E5W
			100A	100 - 1000	T2S100E5W
T2H	65kA	Instantaneous only	25A	25 - 250	T2H025E5W
			60A	60 - 600	T2H060E5W
			100A	100 - 1000	T2H100E5W