

T2

100A, 480VAC Δ

Thermal-Magnetic/Electronic/Current Limiting

T2



T2

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

General

The T2 breaker family ranges from 10 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 C22.2 No. 5 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 UL/CSA version of the T2 is available in three and four pole versions. IEC versions of the T2 are also available with the same dimensions up to 160 amperes. Please contact ABB for details.

Reverse Feeding

All versions of the T2 family are suitable for reverse feed applications.

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

Voltage	Continuous Rating	S	H
240VAC	10 – 100A	65	150
480VAC Δ	10 – 100A	35	65

IEC 60947-2 Interrupting Capacity (kA RMS)

Voltage	Continuous Rating	S	H
230VAC	1.6 – 160A	85	100
415VAC	1.6 – 160A	50	70
440V	1.6 – 160A	45	55
500V	1.6 – 160A	30	36
690VAC	1.6 – 160A	7	8
250VDC 2 pole series	1.6 – 160A	50	70
500VDC 3 pole series	1.6 – 160A	50	70

T2

T2 100A, 480VAC Δ Thermal-Magnetic/Current Limiting

T2-100A Frame, Thermal-Magnetic Trip Unit Fixed

Breaker	IC at 480VAC	Rating	Magnetic Trip	3-Pole, 480VAC Part Number	List Price	4-Pole, 480VAC Part Number	List Price
T2S	35kA	15A	500A	T2S015TW		T2S015TW-4	
		20A	500A	T2S020TW		T2S020TW-4	
		25A	500A	T2S025TW		T2S025TW-4	
		30A	500A	T2S030TW		T2S030TW-4	
		40A	500A	T2S040TW		T2S040TW-4	
		50A	500A	T2S050TW		T2S050TW-4	
		60A	600A	T2S060TW		T2S060TW-4	
		70A	700A	T2S070TW		T2S070TW-4	
		80A	800A	T2S080TW		T2S080TW-4	
		90A	900A	T2S090TW		T2S090TW-4	
		100A	1000A	T2S100TW		T2S100TW-4	

Breaker	IC at 480VAC	Rating	Magnetic Trip	3-Pole, 480VAC Part Number	List Price	4-Pole, 480VAC Part Number	List Price
T2H UL Current Limiting	65kA	15A	500A	T2H015TW		T2H015TW-4	
		20A	500A	T2H020TW		T2H020TW-4	
		25A	500A	T2H025TW		T2H025TW-4	
		30A	500A	T2H030TW		T2H030TW-4	
		40A	500A	T2H040TW		T2H040TW-4	
		50A	500A	T2H050TW		T2H050TW-4	
		60A	600A	T2H060TW		T2H060TW-4	
		70A	700A	T2H070TW		T2H070TW-4	
		80A	800A	T2H080TW		T2H080TW-4	
		90A	900A	T2H090TW		T2H090TW-4	
		100A	1000A	T2H100TW		T2H100TW-4	

T2-100A Frame, 100% Rated Thermal-Magnetic Trip Unit Fixed

Breaker	IC at 480VAC	Rating	Magnetic Trip	3-Pole, 480VAC Part Number	List Price
T2SQ	35kA	15A	500A	T2SQ015TW	
		20A	500A	T2SQ020TW	
		25A	500A	T2SQ025TW	
		30A	500A	T2SQ030TW	
		40A	500A	T2SQ040TW	
		50A	500A	T2SQ050TW	
		60A	600A	T2SQ060TW	
		70A	700A	T2SQ070TW	
		80A	800A	T2SQ080TW	
		90A	900A	T2SQ090TW	
		100A	1000A	T2SQ100TW	

Breaker	IC at 480VAC	Rating	Magnetic Trip	3-Pole, 480VAC Part Number	List Price
T2HQ UL Current Limiting	65kA	15A	500A	T2HQ015TW	
		20A	500A	T2HQ020TW	
		25A	500A	T2HQ025TW	
		30A	500A	T2HQ030TW	
		40A	500A	T2HQ040TW	
		50A	500A	T2HQ050TW	
		60A	600A	T2HQ060TW	
		70A	700A	T2HQ070TW	
		80A	800A	T2HQ080TW	
		90A	900A	T2HQ090TW	
		100A	1000A	T2HQ100TW	

T2

100A, 480VAC Δ

Electronic/Current Limiting, 100% Rated, MCP

T2

T2-100A Frame, Electronic Trip Unit (AC Only)

Breaker	IC at 480VAC	Trip Unit Type	CT Rating	3-Pole, 480VAC Part Number	List Price	4-Pole, 480VAC Part Number	List Price
T2S	35kA	PR221DS-LS/I	25A 60A 100A	T2S025BW T2S060BW T2S100BW		T2S025BW-4 T2S060BW-4 T2S100BW-4	
T2H UL Current Limiting	65kA	PR221DS-LS/I	25A 60A 100A	T2H025BW T2H060BW T2H100BW		T2H025BW-4 T2H060BW-4 T2H100BW-4	

T2-100A Frame, 100% Rated Electronic Trip Unit (AC Only)

Breaker	IC at 480VAC	Trip Unit Type	CT Rating	3-Pole, 480VAC Part Number	List Price
T2SQ	35kA	PR221DS-LS/I	25A	T2SQ025BW	
			60A	T2SQ060BW	
			100A	T2SQ100BW	
T2HQ UL Current Limiting	65kA	PR221DS-LS/I	25A	T2HQ025BW	
			60A	T2HQ060BW	
			100A	T2HQ100BW	

T2 -100A Frame, Motor Control Protection (MCP) Magnetic Only Trip Unit

Breaker	IC at 480VAC	Trip Unit Type	Rating	Adjustment Range	3-Pole, 480VAC Part Number	List Price
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, Motor Control Protection (MCP) Magnetic Only Electronic Trip Unit (AC Only)

Breaker	IC at 480VAC	Trip Unit Type	Rating	Adjustment Range	3-Pole, 480VAC Part Number	List Price
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	