

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 electromagnet 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	100
480VAC Δ	15 – 100A	35	65

IEC 60947-2 Interrupting capacity (kA RMS)

Voltage	Continuous rating	B (1 pole)	N
230VAC	15 – 100A	85	100
415VAC	15 – 100A	50	70
690VAC	15 – 100A	7	8
500VDC 2 pole series	15 – 100A	50	70

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	List price
T2S	35kA	PR221DS-LS/I	25A	T2S025BW	\$ 1,240
			60A	T2S060BW	1,240
			100A	T2S100BW	1,343
T2H UL Current Limiting	65kA	PR221DS-LS/I	25A	T2H025BW	1,492
			60A	T2H060BW	1,492
			100A	T2H100BW	1,703

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

Breaker	IC at 480VAC	Trip unit type	CT rating	3 pole, 480VAC catalog number	List price
T2S	35kA	PR221DS-LS/I	25A	T2SQ025BW	\$ 1,363
			60A	T2SQ060BW	
			100A	T2SQ100BW	1,477
T2H UL Current Limiting	65kA	PR221DS-LS/I	25A	T2HQ025BW	1,640
			60A	T2HQ060BW	
			100A	T2HQ100BW	1,873

T2 – 100A Frame, instantaneous only (MCP)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC catalog number	List price
T2S	35kA	Mag only	20A	120 - 240	T2S020MW	\$ 598
			50A	300 - 600	T2S050MW	670
			100A	600 - 1200	T2S100MW	804
T2H	65kA	Mag only	20A	120 - 240	T2H020MW	673
			50A	300 - 600	T2H050MW	754
			100A	600 - 1200	T2H100MW	904

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

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC catalog number	List price
T2S	35kA	Instantaneous only	25A	25 - 250	T2S025E5W	\$ 1,178
			60A	60 - 600	T2S060E5W	1,178
			100A	100 - 1000	T2S100E5W	1,276
T2H	65kA	Instantaneous only	25A	25 - 250	T2H025E5W	1,417
			60A	60 - 600	T2H060E5W	1,417
			100A	100 - 1000	T2H100E5W	1,618

Note: For terminal connection options see page 16.43