

T3

225A, 600Y/347V, 480V Δ

Thermal-magnetic

Dimensions 3P Fixed Version 5.9H x 4.13W x 2.76D

Weight 5.45 (lbs)



T3

General

The T3 breaker family ranges from 60 through 225 amperes. The T3 trip units are non-interchangeable and use the very latest technology in electromagnetic relays for overcurrent trip protection. Thermal overload protection is provided by heat sensitive bimetals. Short circuit protection begins at 10 times the thermal rating of the breaker using a precise magnetic coil. 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 T3 also carries an IEC-60947-2 rating.

Versions

The T3 frame is available in three versions:

- T = Thermal-magnetic, fixed
- M = Magnetic only (MCP)
- D = Molded case switch

Performance levels

The T3 breaker has two performance levels available:

- N = Normal
- S = Standard

Number of poles

The T3 molded case circuit breaker 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.

Molded case switches

UL489 switches include no overcurrent protection except for a high instantaneous trip mechanism for self protection.

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

Voltage	Continuous rating	N	S
240VAC	60 – 225A	50	65
480VAC Δ	60 – 225A	25	35
600Y/347VAC	60 – 225A	10	10
250VDC 2 pole series	60 – 225A	25	35
500VDC 3 pole series	60 – 225A	25	35

IEC 60947-2 Interrupting capacity (kA RMS)

Voltage	Continuous rating	N	S
230VAC	60 – 225A	50	85
415VAC	60 – 225A	36	50
690VAC	60 – 225A	5	8
750VDC 3 pole series	60 – 225A	36	50

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Thermal-magnetic

T3 – 225A Frame TMF, thermal magnetic fixed

Breaker	IC at 480VAC	Rating (A)	Magnetic trip (A)	3 pole, 480VAC/500VDC Catalog number
T3N	25kA	60	600	T3N060TW
		70	700	T3N070TW
		80	800	T3N080TW
		90	900	T3N090TW
		100	1000	T3N100TW
		125	1250	T3N125TW
		150	1500	T3N150TW
		175	1750	T3N175TW
		200	2000	T3N200TW
		225	2250	T3N225TW
		T3S	35kA	60
70	700			T3S070TW
80	800			T3S080TW
90	900			T3S090TW
100	1000			T3S100TW
125	1250			T3S125TW
150	1500			T3S150TW
175	1750			T3S175TW
200	2000			T3S200TW
225	2250			T3S225TW

T3 – 225A Frame TMF, 100% rated thermal magnetic fixed

Breaker	IC at 480VAC	Rating (A)	Magnetic trip (A)	3 pole, 600/347V VAC/500VDC Catalog number
T3N	25kA	60	600	T3NQ060TW
		70	700	T3NQ070TW
		80	800	T3NQ080TW
		90	900	T3NQ090TW
		100	1000	T3NQ100TW
		125	1250	T3NQ125TW
		150	1500	T3NQ150TW
		175	1750	T3NQ175TW
		200	2000	T3NQ200TW
		225	2250	T3NQ225TW
		T3S	35kA	60
70	700			T3SQ070TW
80	800			T3SQ080TW
90	900			T3SQ090TW
100	1000			T3SQ100TW
125	1250			T3SQ125TW
150	1500			T3SQ150TW
175	1750			T3SQ175TW
200	2000			T3SQ200TW
225	2250			T3SQ225TW

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MCP/Molded case switch

T3 — 225A Frame instantaneous only, (MCP)

Breaker	IC at 488-VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC Catalog number
T3S	35kA	Mag only	100A	600 - 1200	T3S100MW
			125A	750 - 1500	T3S125MW
			150A	900 - 1800	T3S150MW
			200A	1200 - 2400	T3S200MW

T3S-D — Molded case switch

Breaker	Interrupting capacity ①	Rating (A)	Magnetic trip (A)	3 pole, 480VAC/500VDC Catalog number
T3S-D	240V, 65kA	150	1500	T3S150DW
	480V, 35kA	225	2250	T3S225DW

① When protected by a OCPD with appropriate ratings.