

T3

225A, 600Y/347V, 480V Δ

Thermal-magnetic



T3

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

Weight 5.45 (lbs)

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.

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

Molded case switches

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

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Tmax
MCCBs

T3 – 225A Frame TMF, thermal magnetic fixed

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole, 480VAC/500VDC catalog number	List price
T3N	25kA	60A	600A	T3N060TW	\$ 615
		70A	700A	T3N070TW	740
		80A	800A	T3N080TW	
		90A	900A	T3N090TW	
		100A	1000A	T3N100TW	
		125A	1250A	T3N125TW	1,560
		150A	1500A	T3N150TW	
		175A	1750A	T3N175TW	
200A	2000A	T3N200TW	1,560		
225A	2250A	T3N225TW			

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole, 480VAC/500VDC catalog number	List price
T3S	35kA	60A	600A	T3S060TW	\$ 790
		70A	700A	T3S070TW	970
		80A	800A	T3S080TW	
		90A	900A	T3S090TW	
		100A	1000A	T3S100TW	
		125A	1250A	T3S125TW	2,160
		150A	1500A	T3S150TW	
		175A	1750A	T3S175TW	
200A	2000A	T3S200TW	2,160		
225A	2250A	T3S225TW			

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

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole, 600/347V VAC/500VDC catalog number	List price
T3N	25kA	60A	600A	T3NQ060TW	\$ 656
		70A	700A	T3NQ070TW	812
		80A	800A	T3NQ080TW	
		90A	900A	T3NQ090TW	
		100A	1000A	T3NQ100TW	
		125A	1250A	T3NQ125TW	1,717
		150A	1500A	T3NQ150TW	
		175A	1750A	T3NQ175TW	
200A	2000A	T3NQ200TW	1,717		
225A	2250A	T3NQ225TW			

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole, 600/347V VAC/500VDC catalog number	List price
T3S	35kA	60A	600A	T3SQ060TW	\$ 778
		70A	700A	T3SQ070TW	1,065
		80A	800A	T3SQ080TW	
		90A	900A	T3SQ090TW	
		100A	1000A	T3SQ100TW	
		125A	1250A	T3SQ125TW	2,399
		150A	1500A	T3SQ150TW	
		175A	1750A	T3SQ175TW	
200A	2000A	T3SQ200TW	2,399		
225A	2250A	T3SQ225TW			

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MCP/Molded case switch

T3 – 225A Frame instantaneous only, (MCP)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 480VAC catalog number	List price
T3S	35kA	Mag only	100A	600 – 1200	T3S100MW	\$ 1,074
			125A	750 - 1500	T3S125MW	1,108
			150A	900 - 1800	T3S150MW	1,299
			200A	1200 - 2400	T3S200MW	1,382

T3S-D – Molded case switch

Breaker	Interrupting ^① capacity	Rating	Magnetic trip	3 pole, 480VAC/500VDC catalog number	List price
T3S-D	240V, 65kA 480V, 35kA	150A	1500A	T3S150DW	\$ 1,078
		225A	2250A	T3S225DW	1,515

Note: For terminal connection options see page 16.43

^① When protected by a OCPD with appropriate ratings.