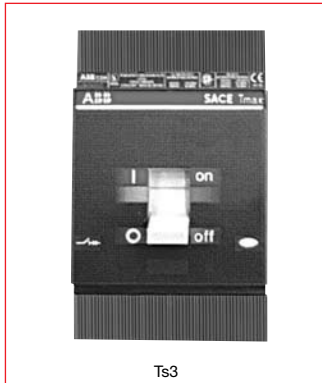


Ts3

150A, 600V Δ, 225A, 480V Δ

Thermal magnetic



Dimensions 3P Fixed Version 6.7H x 4.13W x 4.07D
Weight 6.75 (lbs)

General

The Ts3 breaker family ranges from 15 through 225 amperes. The Ts3 trip mechanisms are non-interchangeable and use sensitive electromagnetic relays for overcurrent trip protection. Heat sensitive bimetals are used for thermal overcurrent protection. Short circuit current protection begins at 10 times the thermal rating of the breaker and uses a magnetic coil principle.

Standards

The UL489/CSA 22.2 version of Ts3 also carries an IEC-60947-2 rating.

Versions

To meet all application needs, the Ts3 is available in various versions:

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

Performance level

Each version is also available in different maximum fault interrupting levels

- N = Normal
- H = High
- L = Extra high

Number of poles

The Ts3 is available in two, 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.

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

Voltage	N	H	L
150AF, 15A-150A			
240 VAC	65	100	150
480 VAC	25	50	85 [Ⓞ]
600 VAC	14	14	25
500 VDC	35	50	65
600 VDC	20	35	50

Voltage	N	H	L
225AF, 175A-225A			
240 VAC	65	100	150
480 VAC	25	50	65
600 VAC	–	–	–
500 VDC	20	35	50
600 VDC	–	–	–

Voltage	N	H	L
IEC-60947-2 Interrupting capacity (kA RMS)			
230 VAC	65	100	170
415 VAC	35	65	85
690 VAC	14	18	20
750 VDC ^②	20	35	50

Ⓞ 15-30A are 65kA at 480VAC



Ts3

150A, 600V Δ, 225A, 480V Δ

Thermal magnetic

Ts3

150A 600VAC/225A 480VAC

Thermal Magnetic Trip Units

Breaker	IC at 480VAC kA	Rating	Magnetic trip	2 pole, 600VAC/500VDC catalog number	List price	3 pole, 600VAC/DC catalog number	List price
Ts3N	25	15A	500A	Ts3N015TW-2	\$ 814	Ts3N015TW	\$ 958
		20A	500A	Ts3N020TW-2		Ts3N020TW	
		25A	500A	Ts3N025TW-2		Ts3N025TW	
		30A	500A	Ts3N030TW-2		Ts3N030TW	
		35A	500A	Ts3N035TW-2		Ts3N035TW	
		40A	500A	Ts3N040TW-2		Ts3N040TW	
		50A	500A	Ts3N050TW-2	Ts3N050TW		
		60A	600A	Ts3N060TW-2	Ts3N060TW		
		70A	700A	Ts3N070TW-2	948	Ts3N070TW	1,115
		80A	800A	Ts3N080TW-2		Ts3N080TW	
		90A	900A	Ts3N090TW-2		Ts3N090TW	
		100A	1000A	Ts3N100TW-2		Ts3N100TW	
		125A	1250A	Ts3N125TW-2	1,471	Ts3N125TW	1,610
		150A	1500A	Ts3N150TW-2		Ts3N150TW	

Breaker	IC at 480VAC kA	Rating	Magnetic trip	2 pole, 600VAC/500VDC catalog number	List price	3 pole, 600VAC/DC catalog number	List price
Ts3H	50	15A	500A	Ts3H015TW-2	\$ 939	Ts3H015TW	\$ 1,105
		20A	500A	Ts3H020TW-2		Ts3H020TW	
		25A	500A	Ts3H025TW-2		Ts3H025TW	
		30A	500A	Ts3H030TW-2		Ts3H030TW	
		35A	500A	Ts3H035TW-2		Ts3H035TW	
		40A	500A	Ts3H040TW-2		Ts3H040TW	
		50A	500A	Ts3H050TW-2	Ts3H050TW		
		60A	600A	Ts3H060TW-2	Ts3H060TW		
		70A	700A	Ts3H070TW-2	1,071	Ts3H070TW	1,260
		80A	800A	Ts3H080TW-2		Ts3H080TW	
		90A	900A	Ts3H090TW-2		Ts3H090TW	
		100A	1000A	Ts3H100TW-2		Ts3H100TW	
		125A	1250A	Ts3H125TW-2	2,323	Ts3H125TW	2,733
		150A	1500A	Ts3H150TW-2		Ts3H150TW	

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Breaker	IC at 480VAC kA	Rating	Magnetic trip	2 pole, 600VAC/500VDC catalog number	List price	3 pole, 600VAC/DC catalog number	List price		
Ts3L	65	15A	500A	Ts3L015TW-2	\$ 1,518	Ts3L015TW	\$ 1,786		
		20A	500A	Ts3L020TW-2		Ts3L020TW			
		25A	500A	Ts3L025TW-2		Ts3L025TW			
		30A	500A	Ts3L030TW-2		Ts3L030TW			
		35A	500A	Ts3L035TW-2		Ts3L035TW			
	85	40A	500A	Ts3L040TW-2	1,518	Ts3L040TW	1,786		
		50A	500A	Ts3L050TW-2		Ts3L050TW			
		60A	600A	Ts3L060TW-2		Ts3L060TW			
		70A	700A	Ts3L070TW-2		Ts3L070TW			
		80A	800A	Ts3L080TW-2		1,692		Ts3L080TW	1,990
		90A	900A	Ts3L090TW-2				Ts3L090TW	
		100A	1000A	Ts3L100TW-2				Ts3L100TW	
		125A	1250A	Ts3L125TW-2				3,636	
		150A	1500A	Ts3L150TW-2		Ts3L150TW			

Ts3
150A, 600V Δ, 225A, 480V Δ, 100% rated
Thermal magnetic



Ts3
150A 600VAC/225A 480VAC
Thermal Magnetic Trip Units 100% Rated

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole 600VAC/DC catalog number	List price
Ts3NQ	25	15A	500A	Ts3NQ015TW	\$ 1,054
		20A	500A	Ts3NQ020TW	
		25A	500A	Ts3NQ025TW	
		30A	500A	Ts3NQ030TW	
		35A	500A	Ts3NQ035TW	
		40A	500A	Ts3NQ040TW	
		50A	500A	Ts3NQ050TW	1,227
		60A	600A	Ts3NQ060TW	
		70A	700A	Ts3NQ070TW	
		80A	800A	Ts3NQ080TW	1,771
		90A	900A	Ts3NQ090TW	
		100A	1000A	Ts3NQ100TW	
		125A	1250A	Ts3NQ125TW	
		150A	1500A	Ts3NQ150TW	

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole catalog number	List price
Ts3HQ	50kA	15A	500A	Ts3HQ015TW	\$ 1,216
		20A	500A	Ts3HQ020TW	
		25A	500A	Ts3HQ025TW	
		30A	500A	Ts3HQ030TW	
		35A	500A	Ts3HQ035TW	
		40A	500A	Ts3HQ040TW	
		50A	500A	Ts3HQ050TW	1,386
		60A	600A	Ts3HQ060TW	
		70A	700A	Ts3HQ070TW	
		80A	800A	Ts3HQ080TW	3,006
		90A	900A	Ts3HQ090TW	
		100A	1000A	Ts3HQ100TW	
		125A	1250A	Ts3HQ125TW	
		150A	1500A	Ts3HQ150TW	

Breaker	IC at 480VAC	Rating	Magnetic trip	3 pole catalog number	List price
Ts3LQ	65kA	15A	500A	Ts3LQ015TW	\$ 1,965
		20A	500A	Ts3LQ020TW	
		25A	500A	Ts3LQ025TW	
		30A	500A	Ts3LQ030TW	
	85kA	35A	500A	Ts3LQ035TW	2,189
		40A	500A	Ts3LQ040TW	
		50A	500A	Ts3LQ050TW	
		60A	600A	Ts3LQ060TW	
		70A	700A	Ts3LQ070TW	4,706
		80A	800A	Ts3LQ080TW	
		90A	900A	Ts3LQ090TW	
		100A	1000A	Ts3LQ100TW	
		125A	1250A	Ts3LQ125TW	
		150A	1500A	Ts3LQ150TW	