

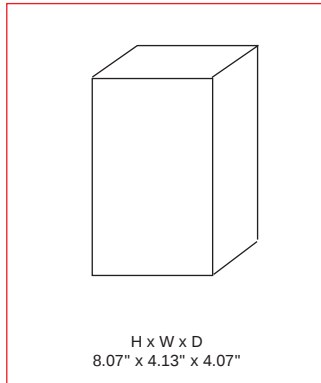
T4

250A, 600V

Electronic and thermal magnetic trip units



T3



H x W x D
8.07" x 4.13" x 4.07"

General

The T4 breaker is a 250 amp frame with either a microprocessor based over current protective trip system or a thermal magnetic trip unit. As an electronic breaker, the T4 is available in 100A, 150A and 250A frames. The T4 is available as a thermal magnetic unit from 20A to 250A.

Versions

To meet all application requirements, the T4 is available in the following versions:

- T = Thermal-magnetic, fixed
- B = Selectable & adjustable LI or LS
- C = Adjustable LSI
- E = Adjustable LSIG
- D = Molded Case Switch
- E5 = Electronic instantaneous only (MCP)

Trip functions

These trip functions are available:

- L = Long time
- S = Short time
- I = Instantaneous
- G = Ground fault

Performance levels

Each version is also available in different maximum fault interrupting levels:

- N = Normal
- S = Standard
- H = High
- L = Extra high
- V = Very high

Number of poles

The T4 is available as a 3 and 4 pole breaker. Estimate 4 pole pricing by adding 35% to the 3 pole price and contact your ABB sales person for details.

Accessory mounting

Internal accessories are UL/CSA approved for both factory and field installation. No extra control connectors are required for field connection. Shunt trips and UVRs mount in the left cavity and auxiliary contacts and bell alarms mount in the right cavity.

Reverse feeding

All versions of the T4 family are suitable for reverse feed applications.

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

Voltage	N	S	H	L	V
240VAC	65	100	150	200	200
480VAC	25	35	65	100	150
600VAC	18	25	35	65	100
500VDC ①	25	35	50	65	100
600VDC ②	16	25	35	50	65

IEC-947 Interrupting capacity (kA RMS)

Voltage	N	S	H	L	V
230VAC	70	85	100	200	300
415VAC	36	50	70	120	200
440VAC	30	40	65	100	180
500VDC	25	30	50	85	150
690VDC	20	25	40	70	80

① 2 poles in series.
② 3 poles in series.



T4

250A, 600V

Electronic trip units (AC only)

100A Frame (40 - 100A adjustable range)

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T4N	25	PR221 LS/I	T4N100BW	\$ 1903
		PR222 LSI	T4N100CW	2540
		PR222 LSIG	T4N100EW	3330
T4S	35	PR221 LS/I	T4S100BW	2370
		PR222 LSI	T4S100CW	3164
		PR222 LSIG	T4S100EW	4148
T4H	65	PR221 LS/I	T4H100BW	4498
		PR222 LSI	T4H100CW	4845
		PR222 LSIG	T4H100EW	5877
T4L	100	PR221 LS/I	T4L100BW	5954
		PR222 LSI	T4L100CW	6063
		PR222 LSIG	T4L100EW	7091
T4V	150	PR221 LS/I	T4V100BW	8555
		PR222 LSI	T4V100CW	9213
		PR222 LSIG	T4V100EW	9957

150A Frame (60 - 150A adjustable range)

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T4N	25	PR221 LS/I	T4N150BW	\$ 2050
		PR222 LSI	T4N150CW	2737
		PR222 LSIG	T4N150EW	3588
T4S	35	PR221 LS/I	T4S150BW	2542
		PR222 LSI	T4S150CW	3394
		PR222 LSIG	T4S150EW	4449
T4H	65	PR221 LS/I	T4H150BW	4633
		PR222 LSI	T4H150CW	5024
		PR222 LSIG	T4H150EW	6094
T4L	100	PR221 LS/I	T4L150BW	6174
		PR222 LSI	T4L150CW	6288
		PR222 LSIG	T4L150EW	7354
T4V	150	PR221 LS/I	T4V150BW	8872
		PR222 LSI	T4V150CW	9555
		PR222 LSIG	T4V150EW	10,326

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250A Frame (100 - 250A adjustable range)

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T4N	25	PR221 LS/I	T4N250BW	\$ 2112
		PR222 LSI	T4N250CW	2819
		PR222 LSIG	T4N250EW	3696
T4S	35	PR221 LS/I	T4S250BW	2573
		PR222 LSI	T4S250CW	3435
		PR222 LSIG	T4S250EW	4503
T4H	65	PR221 LS/I	T4H250BW	4713
		PR222 LSI	T4H250CW	5127
		PR222 LSIG	T4H250EW	6219
T4L	100	PR221 LS/I	T4L250BW	6300
		PR222 LSI	T4L250CW	6416
		PR222 LSIG	T4L250EW	7504
T4V	150	PR221 LS/I	T4V250BW	9053
		PR222 LSI	T4V250CW	9750
		PR222 LSIG	T4V250EW	10,537

T4

250A, 600V

Thermal magnetic trip units



20A - 250A Frame

Breaker	IC at 480VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC Catalog number	List price
T4N	25	20A	500	T4N020TW	\$ 1517
		30A	500	T4N030TW	1517
		40A	500	T4N040TW	1517
		50A	500	T4N050TW	1517
		80A	400-800	T4N080TW	1547
		100A	500-1000	T4N100TW	1547
		125A	625-1250	T4N125TW	1667
		150A	750-1500	T4N150TW	1667
		200A	1000-2000	T4N200TW	1667
		250A	1250-2500	T4N250TW	1717
T4S	35	20A	500	T4S020TW	1887
		30A	500	T4S030TW	1887
		40A	500	T4S040TW	1887
		50A	500	T4S050TW	1887
		80A	400-800	T4S080TW	1927
		100A	500-1000	T4S100TW	1927
		125A	625-1250	T4S125TW	2067
		150A	750-1500	T4S150TW	2067
		200A	1000-2000	T4S200TW	2067
		250A	1250-2500	T4S250TW	2092
T4H	65	20A	500	T4H020TW	3617
		30A	500	T4H030TW	3617
		40A	500	T4H040TW	3617
		50A	500	T4H050TW	3617
		80A	400-800	T4H080TW	3657
		100A	500-1000	T4H100TW	3657
		125A	625-1250	T4H125TW	3767
		150A	750-1500	T4H150TW	3767
		200A	1000-2000	T4H200TW	3767
		250A	1250-2500	T4H250TW	3832
T4L	100	20A	500	T4L020TW	5915
		30A	500	T4L030TW	5915
		40A	500	T4L040TW	5915
		50A	500	T4L050TW	5915
		80A	400-800	T4L080TW	5965
		100A	500-1000	T4L100TW	5965
		125A	625-1250	T4L125TW	5995
		150A	750-1500	T4L150TW	5995
		200A	1000-2000	T4L200TW	5995
		250A	1250-2500	T4L250TW	6110
T4V	150	20A	500	T4V020TW	6780
		30A	500	T4V030TW	6780
		40A	500	T4V040TW	6780
		50A	500	T4V050TW	6780
		80A	400-800	T4V080TW	6817
		100A	500-1000	T4V100TW	6817
		125A	625-1250	T4V125TW	6847
		150A	750-1500	T4V150TW	6847
		200A	1000-2000	T4V200TW	6847
		250A	1250-2500	T4V250TW	6887

Molded case switch

Type	Amps	Magnetic trip	3 Pole, 600V Catalog number	List price
T4H-D	250	3000	T4H250DW	\$ 2154
T4L-D	250	3000	T4L250DW	3419
T4V-D	250	3000	T4V250DW	3842



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250A, 600V, 100% Rated Electronic trip units (AC only)

100A Frame (40 - 100A adjustable range)

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T4N	25	PR221 LS/I	T4NQ100BW	\$ 2124
		PR222 LSI	T4NQ100CW	2835
		PR222 LSIG	T4NQ100EW	3716
T4S	35	PR221 LS/I	T4SQ100BW	2645
		PR222 LSI	T4SQ100CW	3531
		PR222 LSIG	T4SQ100EW	4629
T4H	65	PR221 LS/I	T4HQ100BW	5020
		PR222 LSI	T4HQ100CW	5383
		PR222 LSIG	T4HQ100EW	6530
T4L	100	PR221 LS/I	T4LQ100BW	6616
		PR222 LSI	T4LQ100CW	6737
		PR222 LSIG	T4LQ100EW	7879
T4V	150	PR221 LS/I	T4VQ100BW	9506
		PR222 LSI	T4VQ100CW	10,237
		PR222 LSIG	T4VQ100EW	11,063

150A Frame (60 - 150A adjustable range)

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T4N	25	PR221 LS/I	T4NQ150BW	\$ 2288
		PR222 LSI	T4NQ150CW	3055
		PR222 LSIG	T4NQ150EW	4004
T4S	35	PR221 LS/I	T4SQ150BW	2837
		PR222 LSI	T4SQ150CW	3788
		PR222 LSIG	T4SQ150EW	4965
T4H	65	PR221 LS/I	T4HQ150BW	5171
		PR222 LSI	T4HQ150CW	5582
		PR222 LSIG	T4HQ150EW	6771
T4L	100	PR221 LS/I	T4LQ150BW	6860
		PR222 LSI	T4LQ150CW	6987
		PR222 LSIG	T4LQ150EW	8171
T4V	150	PR221 LS/I	T4VQ150BW	9858
		PR222 LSI	T4VQ150CW	10,616
		PR222 LSIG	T4VQ150EW	11,473

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250A Frame (100 - 250A adjustable range)

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T4N	25	PR221 LS/I	T4NQ250BW	\$ 2357
		PR222 LSI	T4NQ250CW	3146
		PR222 LSIG	T4NQ250EW	4125
T4S	35	PR221 LS/I	T4SQ250BW	2872
		PR222 LSI	T4SQ250CW	3834
		PR222 LSIG	T4SQ250EW	5025
T4H	65	PR221 LS/I	T4HQ250BW	5260
		PR222 LSI	T4HQ250CW	5697
		PR222 LSIG	T4HQ250EW	6910
T4L	100	PR221 LS/I	T4LQ250BW	7000
		PR222 LSI	T4LQ250CW	7129
		PR222 LSIG	T4LQ250EW	8338
T4V	150	PR221 LS/I	T4VQ250BW	10,058
		PR222 LSI	T4VQ250CW	10,833
		PR222 LSIG	T4VQ250EW	11,708

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250A, 600V, 100% rated thermal-magnetic trip units

Magnetic only MCPs

Tmax
MCCBs

30A - 250A Frame

Breaker	IC at 480 VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC Catalog number	List price
T4N	25	20A	500	T4NQ020TW	\$ 1673
		30A	500	T4NQ030TW	1673
		40A	500	T4NQ040TW	1673
		50A	500	T4NQ050TW	1673
		80A	400-800	T4NQ080TW	1706
		100A	500-1000	T4NQ100TW	1706
		125A	625-1250	T4NQ125TW	1839
		150A	750-1500	T4NQ150TW	1839
		200A	1000-2000	T4NQ200TW	1839
		250A	1250-2500	T4NQ250TW	1894
T4S	35	20A	500	T4SQ020TW	2081
		30A	500	T4SQ030TW	2081
		40A	500	T4SQ040TW	2081
		50A	500	T4SQ050TW	2081
		80A	400-800	T4SQ080TW	2125
		100A	500-1000	T4SQ100TW	2125
		125A	625-1250	T4SQ125TW	2280
		150A	750-1500	T4SQ150TW	2280
		200A	1000-2000	T4SQ200TW	2280
		250A	1250-2500	T4SQ250TW	2307
T4H	65	20A	500	T4HQ020TW	3990
		30A	500	T4HQ030TW	3990
		40A	500	T4HQ040TW	3990
		50A	500	T4HQ050TW	3990
		80A	400-800	T4HQ080TW	4034
		100A	500-1000	T4HQ100TW	4034
		125A	625-1250	T4HQ125TW	4155
		150A	750-1500	T4HQ150TW	4155
		200A	1000-2000	T4HQ200TW	4155
		250A	1250-2500	T4HQ250TW	4227
T4L	100	20A	500	T4LQ020TW	6524
		30A	500	T4LQ030TW	6524
		40A	500	T4LQ040TW	6524
		50A	500	T4LQ050TW	6524
		80A	400-800	T4LQ080TW	6579
		100A	500-1000	T4LQ100TW	6579
		125A	625-1250	T4LQ125TW	6612
		150A	750-1500	T4LQ150TW	6612
		200A	1000-2000	T4LQ200TW	6612
		250A	1250-2500	T4LQ250TW	6739
T4V	150	20A	500	T4VQ020TW	7478
		30A	500	T4VQ030TW	7478
		40A	500	T4VQ040TW	7478
		50A	500	T4VQ050TW	7478
		80A	400-800	T4VQ080TW	7519
		100A	500-1000	T4VQ100TW	7519
		125A	625-1250	T4VQ125TW	7552
		150A	750-1500	T4VQ150TW	7552
		200A	1000-2000	T4VQ200TW	7552
		250A	1250-2500	T4VQ250TW	7569

Magnetic-only MCPs

T4 - 250A Frame magnetic only (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 600VAC Catalog number	List price
T4N	25kA	Instantaneous only	100A	100-1000	T4N100E5W	\$ 1808
			150A	150-1500	T4N150E5W	1948
			250A	250-2500	T4N250E5W	2006
T4S	35kA	Instantaneous only	100A	100-1000	T4S100E5W	2252
			150A	150-1500	T4S150E5W	2415
			250A	250-2500	T4S250E5W	2444
T4H	65kA	Instantaneous only	100A	100-1000	T4H100E5W	4273
			150A	150-1500	T4H150E5W	4401
			250A	250-2500	T4H250E5W	4477
T4L	100kA	Instantaneous only	100A	100-1000	T4L100E5W	5656
			150A	150-1500	T4L150E5W	5865
			250A	250-2500	T4L250E5W	5985