

T4

250A, 600VAC Δ

Electronic and Thermal-Magnetic

T4



T4

Dimensions 3P Fixed Version 8.07H x 4.13W x 4.07D
Weight 6.18 (lbs)

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.

Standards

The UL489/CSA C22.2 No. 5 version of T4 also carries an IEC-60947-2 rating.

Versions

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

- T = Thermal-magnetic
- 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 - UL Current Limiting
- L = Extra high
- V = Very high - UL Current Limiting

Number of Poles ⁽³⁾

The T4 is available as a 2, 3 and 4 pole breaker. The 2 and 3 pole versions have the same dimensions.

Reverse Feeding

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

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

Voltage	Continuous Rating	N	S	H	L	V
240VAC	20 - 250A	65	100	150	200	200
480VAC	20 - 250A	25	35	65	100	150
600VAC	20 - 250A	18	25	35	65	100
500VDC ⁽¹⁾	20 - 250A	25	35	50	65	100
600VDC ⁽²⁾	20 - 250A	16	25	35	50	65

IEC 60947-2 Interrupting Capacity (kA RMS)

Voltage	Continuous Rating	N	S	H	L	V
230VAC	20 - 320A	70	85	100	200	200
415VAC	20 - 320A	36	50	70	120	200
440VAC	20 - 320A	30	40	65	100	180
500VAC	20 - 320A	25	30	50	85	150
690VAC	20 - 320A	20	25	40	70	80
750VDC	20 - 320A	18	25	36	50	70

(1) 2 poles in series.

(2) 3 poles in series.

(3) 2 pole breakers available in N version only. 4 pole breakers available in N and H version only.

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T4 250A, 600VAC Δ Electronic (AC Only)

T4-100A Frame, Electronic Trip Unit (AC Only) 40-100A Adjustable Range

Breaker	IC at 600VAC	Trip Unit	2-Pole, 600VAC Part Number	List Price	3-Pole, 600VAC Part Number	List Price	4-Pole, 600VAC Part Number	List Price
T4N	18kA	PR221 LS/I PR222 LSI PR222 LSIG	T4N100BW-2 T4N100CW-2 T4N100EW-2		T4N100BW T4N100CW T4N100EW		T4N100BW-4 T4N100CW-4 T4N100EW-4	
T4S	25kA	PR221 LS/I PR222 LSI PR222 LSIG			T4S100BW T4S100CW T4S100EW			
T4H UL Current Limiting	35kA	PR221 LS/I PR222 LSI PR222 LSIG			T4H100BW T4H100CW T4H100EW		T4H100BW-4 T4H100CW-4 T4H100EW-4	
T4L	65kA	PR221 LS/I PR222 LSI PR222 LSIG			T4L100BW T4L100CW T4L100EW			
T4V UL Current Limiting	100kA	PR221 LS/I PR222 LSI PR222 LSIG			T4V100BW T4V100CW T4V100EW			

T4-150A Frame, Electronic Trip Unit (AC Only) 60-150A Adjustable Range

Breaker	IC at 600VAC	Trip Unit	2-Pole, 600VAC Part Number	List Price	3-Pole, 600VAC Part Number	List Price	4-Pole, 600VAC Part Number	List Price
T4N	18kA	PR221 LS/I PR222 LSI PR222 LSIG	T4N150BW-2 T4N150CW-2 T4N150EW-2		T4N150BW T4N150CW T4N150EW		T4N150BW-4 T4N150CW-4 T4N150EW-4	
T4S	25kA	PR221 LS/I PR222 LSI PR222 LSIG			T4S150BW T4S150CW T4S150EW			
T4H UL Current Limiting	35kA	PR221 LS/I PR222 LSI PR222 LSIG			T4H150BW T4H150CW T4H150EW		T4H150BW-4 T4H150CW-4 T4H150EW-4	
T4L	65kA	PR221 LS/I PR222 LSI PR222 LSIG			T4L150BW T4L150CW T4L150EW			
T4V UL Current Limiting	100kA	PR221 LS/I PR222 LSI PR222 LSIG			T4V150BW T4V150CW T4V150EW			
T4V UL current limiting	100	PR221 LS/I PR222 LSI PR222 LSIG			T4V150BW T4V150CW T4V150EW			

T4-250A Frame, Electronic Trip Unit (AC Only) 100-250A Adjustable Range

Breaker	IC at 600VAC	Trip Unit	2-Pole, 600VAC Part Number	List Price	3-Pole, 600VAC Part Number	List Price	4-Pole, 600VAC Part Number	List Price
T4N	18kA	PR221 LS/I PR222 LSI PR222 LSIG	T4N250BW-2 T4N250CW-2 T4N250EW-2		T4N250BW T4N250CW T4N250EW		T4N250BW-4 T4N250CW-4 T4N250EW-4	
T4S	25kA	PR221 LS/I PR222 LSI PR222 LSIG			T4S250BW T4S250CW T4S250EW			
T4H UL Current Limiting	35kA	PR221 LS/I PR222 LSI PR222 LSIG			T4H250BW T4H250CW T4H250EW		T4H250BW-4 T4H250CW-4 T4H250EW-4	
T4L	65kA	PR221 LS/I PR222 LSI PR222 LSIG			T4L250BW T4L250CW T4L250EW			
T4V UL Current Limiting	100kA	PR221 LS/I PR222 LSI PR222 LSIG			T4V250BW T4V250CW T4V250EW			

T4 **250A, 600VAC Δ** **Electronic 100% Rated (AC Only)**

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Breaker	IC at 600VAC	Trip Unit	3-Pole, 600VAC Part Number	List Price
T4NQ	18kA	PR221 LS/I PR222 LSI PR222 LSIG	T4NQ100BW T4NQ100CW T4NQ100EW	
T4SQ	25kA	PR221 LS/I PR222 LSI PR222 LSIG	T4SQ100BW T4SQ100CW T4SQ100EW	
T4HQ UL Current Limiting	35kA	PR221 LS/I PR222 LSI PR222 LSIG	T4HQ100BW T4HQ100CW T4HQ100EW	
T4LQ	65kA	PR221 LS/I PR222 LSI PR222 LSIG	T4LQ100BW T4LQ100CW T4LQ100EW	
T4VQ UL Current Limiting	100kA	PR221 LS/I PR222 LSI PR222 LSIG	T4VQ100BW T4VQ100CW T4VQ100EW	

T4-150A Frame, 100% Rated Electronic Trip Unit (AC Only) 60-150A Adjustable Range

Breaker	IC at 600VAC	Trip Unit	3-Pole, 600V Part Number	List Price
T4NQ	18kA	PR221 LS/I PR222 LSI PR222 LSIG	T4NQ150BW T4NQ150CW T4NQ150EW	
T4SQ	25kA	PR221 LS/I PR222 LSI PR222 LSIG	T4SQ150BW T4SQ150CW T4SQ150EW	
T4HQ UL Current Limiting	35kA	PR221 LS/I PR222 LSI PR222 LSIG	T4HQ150BW T4HQ150CW T4HQ150EW	
T4LQ	65kA	PR221 LS/I PR222 LSI PR222 LSIG	T4LQ150BW T4LQ150CW T4LQ150EW	
T4VQ UL Current Limiting	100kA	PR221 LS/I PR222 LSI PR222 LSIG	T4VQ150BW T4VQ150CW T4VQ150EW	

T4-250A Frame, 100% Rated Electronic Trip Unit (AC Only) 100-250A Adjustable Range

Breaker	IC at 600VAC	Trip Unit	3-Pole, 600V Part Number	List Price
T4NQ	18kA	PR221 LS/I PR222 LSI PR222 LSIG	T4NQ250BW T4NQ250CW T4NQ250EW	
T4SQ	25kA	PR221 LS/I PR222 LSI PR222 LSIG	T4SQ250BW T4SQ250CW T4SQ250EW	
T4HQ UL Current Limiting	35kA	PR221 LS/I PR222 LSI PR222 LSIG	T4HQ250BW T4HQ250CW T4HQ250EW	
T4LQ	65kA	PR221 LS/I PR222 LSI PR222 LSIG	T4LQ250BW T4LQ250CW T4LQ250EW	
T4VQ UL Current Limiting	100kA	PR221 LS/I PR222 LSI PR222 LSIG	T4VQ250BW T4VQ250CW T4VQ250EW	

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T4 250A, 600VAC Δ Thermal-Magnetic Trip Units

T4-250A Frame, Thermal-Magnetic Trip Unit

Breaker	IC at 600VAC	Rating	Magnetic Trip	3-Pole, 600VAC/600VDC Part Number	List Price	4-Pole, 600VAC/600VDC Part Number	List Price
T4N	18kA	20A	500	T4N020TW		T4N020TW-4	
		30A (21-30A)	500	T4N030TW		T4N030TW-4	
		40A (28-40A)	500	T4N040TW		T4N040TW-4	
		50A (35-50A)	500	T4N050TW		T4N050TW-4	
		80A (56-80A)	400-800	T4N080TW		T4N080TW-4	
		100A (70-100A)	500-1000	T4N100TW		T4N100TW-4	
		125A (88-125A)	625-1250	T4N125TW		T4N125TW-4	
		150A (105-150A)	750-1500	T4N150TW		T4N150TW-4	
		200A (140-200A)	1000-2000	T4N200TW		T4N200TW-4	
		250A (175-250A)	1250-2500	T4N250TW		T4N250TW-4	
T4S	25kA	20A	500	T4S020TW			
		30A (21-30A)	500	T4S030TW			
		40A (28-40A)	500	T4S040TW			
		50A (35-50A)	500	T4S050TW			
		80A (56-80A)	400-800	T4S080TW			
		100A (70-100A)	500-1000	T4S100TW			
		125A (88-125A)	625-1250	T4S125TW			
		150A (105-150A)	750-1500	T4S150TW			
		200A (140-200A)	1000-2000	T4S200TW			
		250A (175-250A)	1250-2500	T4S250TW			
T4H UL Current Limiting	35kA	20A	500	T4H020TW		T4H020TW-4	
		30A (21-30A)	500	T4H030TW		T4H030TW-4	
		40A (28-40A)	500	T4H040TW		T4H040TW-4	
		50A (35-50A)	500	T4H050TW		T4H050TW-4	
		80A (56-80A)	400-800	T4H080TW		T4H080TW-4	
		100A (70-100A)	500-1000	T4H100TW		T4H100TW-4	
		125A (88-125A)	625-1250	T4H125TW		T4H125TW-4	
		150A (105-150A)	750-1500	T4H150TW		T4H150TW-4	
		200A (140-200A)	1000-2000	T4H200TW		T4H200TW-4	
		250A (175-250A)	1250-2500	T4H250TW		T4H250TW-4	
T4L	65kA	20A	500	T4L020TW			
		30A (21-30A)	500	T4L030TW			
		40A (28-40A)	500	T4L040TW			
		50A (35-50A)	500	T4L050TW			
		80A (56-80A)	400-800	T4L080TW			
		100A (70-100A)	500-1000	T4L100TW			
		125A (88-125A)	625-1250	T4L125TW			
		150A (105-150A)	750-1500	T4L150TW			
		200A (140-200A)	1000-2000	T4L200TW			
		250A (175-250A)	1250-2500	T4L250TW			
T4V UL Current Limiting	100kA	20A	500	T4V020TW			
		30A (21-30A)	500	T4V030TW			
		40A (28-40A)	500	T4V040TW			
		50A (35-50A)	500	T4V050TW			
		80A (56-80A)	400-800	T4V080TW			
		100A (70-100A)	500-1000	T4V100TW			
		125A (88-125A)	625-1250	T4V125TW			
		150A (105-150A)	750-1500	T4V150TW			
		200A (140-200A)	1000-2000	T4V200TW			
		250A (175-250A)	1250-2500	T4V250TW			

Breaker	IC at 600VAC	Rating	Magnetic Trip	2-Pole, 600VAC/500VDC Part Number	List Price
T4N	18kA	30A (21-30A)	500	T4N030TW-2	
		40A (28-40A)	500	T4N040TW-2	
		50A (35-50A)	500	T4N050TW-2	
		80A (56-80A)	400-800	T4N080TW-2	
		100A (70-100A)	500-1000	T4N100TW-2	
		125A (88-125A)	625-1250	T4N125TW-2	
		150A (100-150A)	750-1500	T4N150TW-2	
		200A (140-200A)	1000-2000	T4N200TW-2	
		250A (175-250A)	1250-2500	T4N250TW-2	

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250A, 600VAC

100% Rated Thermal-Magnetic Trip Units

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T4-250A Frame, 100% Rated Thermal-Magnetic Trip Unit

Breaker	IC at 600VAC	Rating	Magnetic Trip	3-Pole, 600VAC/600VDC Part Number	List Price
T4NQ	18kA	20A	500	T4NQ020TW	
		30A (21-30A)	500	T4NQ030TW	
		40A (28-40A)	500	T4NQ040TW	
		50A (35-50A)	500	T4NQ050TW	
		80A (56-80A)	400-800	T4NQ080TW	
		100A (70-100A)	500-1000	T4NQ100TW	
		125A (88-125A)	625-1250	T4NQ125TW	
		150A (105-150A)	750-1500	T4NQ150TW	
		200A (140-200A)	1000-2000	T4NQ200TW	
		250A (175-250A)	1250-2500	T4NQ250TW	
T4SQ	25kA	20A	500	T4SQ020TW	
		30A (21-30A)	500	T4SQ030TW	
		40A (28-40A)	500	T4SQ040TW	
		50A (35-50A)	500	T4SQ050TW	
		80A (56-80A)	400-800	T4SQ080TW	
		100A (70-100A)	500-1000	T4SQ100TW	
		125A (88-125A)	625-1250	T4SQ125TW	
		150A (105-150A)	750-1500	T4SQ150TW	
		200A (140-200A)	1000-2000	T4SQ200TW	
		250A (175-250A)	1250-2500	T4SQ250TW	
T4HQ	35kA	20A	500	T4HQ020TW	
		30A (21-30A)	500	T4HQ030TW	
		40A (28-40A)	500	T4HQ040TW	
		50A (35-50A)	500	T4HQ050TW	
		80A (56-80A)	400-800	T4HQ080TW	
		100A (70-100A)	500-1000	T4HQ100TW	
		125A (88-125A)	625-1250	T4HQ125TW	
		150A (105-150A)	750-1500	T4HQ150TW	
		200A (140-200A)	1000-2000	T4HQ200TW	
		250A (175-250A)	1250-2500	T4HQ250TW	
T4LQ	65kA	20A	500	T4LQ020TW	
		30A (21-30A)	500	T4LQ030TW	
		40A (28-40A)	500	T4LQ040TW	
		50A (35-50A)	500	T4LQ050TW	
		80A (56-80A)	400-800	T4LQ080TW	
		100A (70-100A)	500-1000	T4LQ100TW	
		125A (88-125A)	625-1250	T4LQ125TW	
		150A (105-150A)	750-1500	T4LQ150TW	
		200A (140-200A)	1000-2000	T4LQ200TW	
		250A (175-250A)	1250-2500	T4LQ250TW	
T4VQ	100kA	20A	500	T4VQ020TW	
		30A (21-30A)	500	T4VQ030TW	
		40A (28-40A)	500	T4VQ040TW	
		50A (35-50A)	500	T4VQ050TW	
		80A (56-80A)	400-800	T4VQ080TW	
		100A (70-100A)	500-1000	T4VQ100TW	
		125A (88-125A)	625-1250	T4VQ125TW	
		150A (105-150A)	750-1500	T4VQ150TW	
		200A (140-200A)	1000-2000	T4VQ200TW	
		250A (175-250A)	1250-2500	T4VQ250TW	

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T4 250A, 600VAC Δ MCP (Instantaneous Only), Molded Case Switch

T4-250A Frame, Motor Control Protection (MCP) Electronic Trip Unit (AC Only)

Breaker	IC at 600VAC	Trip Unit Type	Rating	Adjustment Range	3-Pole, 600VAC Part Number	List Price
T4N	18kA	PR221 DS-I	100A 150A 250A	100-1000 150-1500 250-2500	T4N100E5W T4N150E5W T4N250E5W	
T4S	25kA	PR221 DS-I	100A 150A 250A	100-1000 150-1500 250-2500	T4S100E5W T4S150E5W T4S250E5W	
T4H	35kA	PR221 DS-I	100A 150A 250A	100-1000 150-1500 250-2500	T4H100E5W T4H150E5W T4H250E5W	
T4L	65kA	PR221 DS-I	100A 150A 250A	100-1000 150-1500 250-2500	T4L100E5W T4L150E5W T4L250E5W	

T4-250A Frame, Molded Case Switch

Type	Amps	Magnetic Trip	3-Pole, 600VAC/600VDC Part Number	List Price	4-Pole, 600VAC/600VDC Part Number	List Price
T4N-D	250	3000	T4N250DW		T4H250DW-4	
T4S-D	250	3000	T4S250DW			
T4H-D	250	3000	T4H250DW			
T4L-D	250	3000	T4L250DW			
T4V-D	250	3000	T4V250DW			