

# T4

## 250A, 600V Δ

### Electronic and thermal magnetic

Tmax  
MCCBs



**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 22.2 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 <sup>③</sup>

The T4 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.

#### 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 <sup>①</sup>	25	35	50	65	100
600VDC <sup>②</sup>	16	25	35	50	65

#### IEC 60947-2 Interrupting capacity (kA RMS)

Voltage	N	S	H	L	V
230VAC	70	85	100	200	200
415VAC	36	50	70	120	200
690VAC	20	25	40	70	80
750VDC <sup>②</sup>	16	25	36	50	70

<sup>①</sup> 2 poles in series.

<sup>②</sup> 3 poles in series.

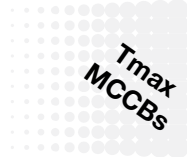
<sup>③</sup> 2 pole breakers available in N version only. 4 pole breakers available in N and H version only.

## T4 250A, 600V Δ Adjustable thermal magnetic

### 20A - 250A Frame

Breaker	IC at 480VAC	Rating	Magnetic trip	2 pole, 600VAC/600VDC catalog number	List price	3 pole, 600VAC/600VDC catalog number	List price
T4N	25	125A	625-1250	T4N125TW-2	<b>\$ 1,584</b>	T4N125TW	<b>\$ 1,667</b>
		150A	750-1500	T4N150TW-2		T4N150TW	
		200A	1000-2000	T4N200TW-2		T4N200TW	
		250A	1250-2500	T4N250TW-2	<b>1,631</b>	T4N250TW	<b>1,717</b>
T4S	35	125A	625-1250	-	-	T4S125TW	<b>2,067</b>
		150A	750-1500	-	-	T4S150TW	
		200A	1000-2000	-	-	T4S200TW	
		250A	1250-2500	-	-	T4S250TW	<b>2,092</b>
T4H UL Current Limiting	65	125A	625-1250	-	-	T4H125TW	<b>3,767</b>
		150A	750-1500	-	-	T4H150TW	
		200A	1000-2000	-	-	T4H200TW	
		250A	1250-2500	-	-	T4H250TW	<b>3,832</b>
T4L	100	125A	625-1250	-	-	T4L125TW	<b>5,995</b>
		150A	750-1500	-	-	T4L150TW	
		200A	1000-2000	-	-	T4L200TW	
		250A	1250-2500	-	-	T4L250TW	<b>6,110</b>
T4V UL Current Limiting	150	125A	625-1250	-	-	T4V125TW	<b>6,847</b>
		150A	750-1500	-	-	T4V150TW	
		200A	1000-2000	-	-	T4V200TW	
		250A	1250-2500	-	-	T4V250TW	<b>6,887</b>

**T4**  
**250A, 600V Δ 100% rated**  
**Adjustable thermal magnetic**



**30A - 250A Frame 100% rated**

Breaker	IC at 480 VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC Catalog number	List price
T4N	25	125A	625-1250	T4NQ125TW	<b>\$ 1,839</b>
		150A	750-1500	T4NQ150TW	
		200A	1000-2000	T4NQ200TW	
		250A	1250-2500	T4NQ250TW	
T4S	35	125A	625-1250	T4SQ125TW	<b>2,280</b>
		150A	750-1500	T4SQ150TW	
		200A	1000-2000	T4SQ200TW	
		250A	1250-2500	T4SQ250TW	
T4H UL Current Limiting	65	125A	625-1250	T4HQ125TW	<b>4,155</b>
		150A	750-1500	T4HQ150TW	
		200A	1000-2000	T4HQ200TW	
		250A	1250-2500	T4HQ250TW	
T4L	100	125A	625-1250	T4LQ125TW	<b>6,612</b>
		150A	750-1500	T4LQ150TW	
		200A	1000-2000	T4LQ200TW	
		250A	1250-2500	T4LQ250TW	
T4V UL Current Limiting	150	125A	625-1250	T4VQ125TW	<b>7,552</b>
		150A	750-1500	T4VQ150TW	
		200A	1000-2000	T4VQ200TW	
		250A	1250-2500	T4VQ250TW	

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## 250A, 600V Δ

### Electronic (AC only)

#### 100A Frame, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	List price	3 pole, 600V catalog number	List price
T4N	25	PR221 LS/I	T4N100BW-2	<b>\$ 1,808</b>	T4N100BW	<b>\$ 1,903</b>
		PR222 LSI	T4N100CW-2	<b>2,413</b>	T4N100CW	<b>2,540</b>
		PR222 LSIG	T4N100EW-2	<b>3,164</b>	T4N100EW	<b>3,330</b>
T4S	35	PR221 LS/I	-	-	T4S100BW	<b>2,370</b>
		PR222 LSI	-	-	T4S100CW	<b>3,164</b>
		PR222 LSIG	-	-	T4S100EW	<b>4,148</b>
T4H UL Current Limiting	65	PR221 LS/I	-	-	T4H100BW	<b>4,498</b>
		PR222 LSI	-	-	T4H100CW	<b>4,845</b>
		PR222 LSIG	-	-	T4H100EW	<b>5,877</b>
T4L	100	PR221 LS/I	-	-	T4L100BW	<b>5,954</b>
		PR222 LSI	-	-	T4L100CW	<b>6,063</b>
		PR222 LSIG	-	-	T4L100EW	<b>7,091</b>
T4V UL Current Limiting	150	PR221 LS/I	-	-	T4V100BW	<b>8,555</b>
		PR222 LSI	-	-	T4V100CW	<b>9,213</b>
		PR222 LSIG	-	-	T4V100EW	<b>9,957</b>

#### 150A Frame, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	List price	3 pole, 600V catalog number	List price
T4N	25	PR221 LS/I	T4N150BW-2	<b>\$ 1,948</b>	T4N150BW	<b>\$ 2,050</b>
		PR222 LSI	T4N150CW-2	<b>2,600</b>	T4N150CW	<b>2,737</b>
		PR222 LSIG	T4N150EW-2	<b>3,409</b>	T4N150EW	<b>3,588</b>
T4S	35	PR221 LS/I	-	-	T4S150BW	<b>2,542</b>
		PR222 LSI	-	-	T4S150CW	<b>3,394</b>
		PR222 LSIG	-	-	T4S150EW	<b>4,449</b>
T4H UL Current Limiting	65	PR221 LS/I	-	-	T4H150BW	<b>4,633</b>
		PR222 LSI	-	-	T4H150CW	<b>5,024</b>
		PR222 LSIG	-	-	T4H150EW	<b>6,094</b>
T4L	100	PR221 LS/I	-	-	T4L150BW	<b>6,174</b>
		PR222 LSI	-	-	T4L150CW	<b>6,288</b>
		PR222 LSIG	-	-	T4L150EW	<b>7,354</b>
T4V UL Current Limiting	150	PR221 LS/I	-	-	T4V150BW	<b>8,872</b>
		PR222 LSI	-	-	T4V150CW	<b>9,555</b>
		PR222 LSIG	-	-	T4V150EW	<b>10,326</b>

#### 250A Frame, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	List price	3 pole, 600V catalog number	List price
T4N	25	PR221 LS/I	T4N250BW-2	<b>\$ 2,006</b>	T4N250BW	<b>\$ 2,112</b>
		PR222 LSI	T4N250CW-2	<b>2,678</b>	T4N250CW	<b>2,819</b>
		PR222 LSIG	T4N250EW-2	<b>3,511</b>	T4N250EW	<b>3,696</b>
T4S	35	PR221 LS/I	-	-	T4S250BW	<b>2,573</b>
		PR222 LSI	-	-	T4S250CW	<b>3,435</b>
		PR222 LSIG	-	-	T4S250EW	<b>4,503</b>
T4H UL Current Limiting	65	PR221 LS/I	-	-	T4H250BW	<b>4,713</b>
		PR222 LSI	-	-	T4H250CW	<b>5,127</b>
		PR222 LSIG	-	-	T4H250EW	<b>6,219</b>
T4L	100	PR221 LS/I	-	-	T4L250BW	<b>6,300</b>
		PR222 LSI	-	-	T4L250CW	<b>6,416</b>
		PR222 LSIG	-	-	T4L250EW	<b>7,504</b>
T4V UL Current Limiting	150	PR221 LS/I	-	-	T4V250BW	<b>9,053</b>
		PR222 LSI	-	-	T4V250CW	<b>9,750</b>
		PR222 LSIG	-	-	T4V250EW	<b>10,537</b>

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## 250A, 600V Δ, 100% Rated Electronic (AC only)

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MCCBs

### 100A Frame - 100% rated, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	3 pole, 600V catalog number	List price
T4N	25	PR221 LS/I	T4NQ100BW	<b>\$ 2,124</b>
		PR222 LSI	T4NQ100CW	<b>2,835</b>
		PR222 LSIg	T4NQ100EW	<b>3,716</b>
T4S	35	PR221 LS/I	T4SQ100BW	<b>2,645</b>
		PR222 LSI	T4SQ100CW	<b>3,531</b>
		PR222 LSIg	T4SQ100EW	<b>4,629</b>
T4H UL Current Limiting	65	PR221 LS/I	T4HQ100BW	<b>5,020</b>
		PR222 LSI	T4HQ100CW	<b>5,383</b>
		PR222 LSIg	T4HQ100EW	<b>6,530</b>
T4L	100	PR221 LS/I	T4LQ100BW	<b>6,616</b>
		PR222 LSI	T4LQ100CW	<b>6,737</b>
		PR222 LSIg	T4LQ100EW	<b>7,879</b>
T4V UL Current Limiting	150	PR221 LS/I	T4VQ100BW	<b>9,506</b>
		PR222 LSI	T4VQ100CW	<b>10,237</b>
		PR222 LSIg	T4VQ100EW	<b>11,063</b>

### 150A Frame - 100% rated, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	3 pole, 600V catalog number	List price
T4N	25	PR221 LS/I	T4NQ150BW	<b>\$ 2,288</b>
		PR222 LSI	T4NQ150CW	<b>3,055</b>
		PR222 LSIg	T4NQ150EW	<b>4,004</b>
T4S	35	PR221 LS/I	T4SQ150BW	<b>2,837</b>
		PR222 LSI	T4SQ150CW	<b>3,788</b>
		PR222 LSIg	T4SQ150EW	<b>4,965</b>
T4H UL Current Limiting	65	PR221 LS/I	T4HQ150BW	<b>5,171</b>
		PR222 LSI	T4HQ150CW	<b>5,582</b>
		PR222 LSIg	T4HQ150EW	<b>6,771</b>
T4L	100	PR221 LS/I	T4LQ150BW	<b>6,860</b>
		PR222 LSI	T4LQ150CW	<b>6,987</b>
		PR222 LSIg	T4LQ150EW	<b>8,171</b>
T4V UL Current Limiting	150	PR221 LS/I	T4VQ150BW	<b>9,858</b>
		PR222 LSI	T4VQ150CW	<b>10,616</b>
		PR222 LSIg	T4VQ150EW	<b>11,473</b>

### 250A Frame - 100% rated, electronic trip unit (AC only)

Breaker	IC at 480VAC kA	Trip Unit	3 pole, 600V catalog number	List price
T4N	25	PR221 LS/I	T4NQ250BW	<b>\$ 2,357</b>
		PR222 LSI	T4NQ250CW	<b>3,146</b>
		PR222 LSIg	T4NQ250EW	<b>4,125</b>
T4S	35	PR221 LS/I	T4SQ250BW	<b>2,872</b>
		PR222 LSI	T4SQ250CW	<b>3,834</b>
		PR222 LSIg	T4SQ250EW	<b>5,025</b>
T4H UL Current Limiting	65	PR221 LS/I	T4HQ250BW	<b>5,260</b>
		PR222 LSI	T4HQ250CW	<b>5,697</b>
		PR222 LSIg	T4HQ250EW	<b>6,910</b>
T4L	100	PR221 LS/I	T4LQ250BW	<b>7,000</b>
		PR222 LSI	T4LQ250CW	<b>7,129</b>
		PR222 LSIg	T4LQ250EW	<b>8,338</b>
T4V UL Current Limiting	150	PR221 LS/I	T4VQ250BW	<b>10,058</b>
		PR222 LSI	T4VQ250CW	<b>10,833</b>
		PR222 LSIg	T4VQ250EW	<b>11,708</b>

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## 250A, 600V Δ

### Instantaneous only, MCP/Molded case switch

#### Instantaneous 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	<b>\$ 1,808</b>
			150A	150-1500	T4N150E5W	<b>1,948</b>
			250A	250-2500	T4N250E5W	<b>2,006</b>
T4S	35kA	Instantaneous only	100A	100-1000	T4S100E5W	<b>2,252</b>
			150A	150-1500	T4S150E5W	<b>2,415</b>
			250A	250-2500	T4S250E5W	<b>2,444</b>
T4H	65kA	Instantaneous only	100A	100-1000	T4H100E5W	<b>4,273</b>
			150A	150-1500	T4H150E5W	<b>4,401</b>
			250A	250-2500	T4H250E5W	<b>4,477</b>
T4L	100kA	Instantaneous only	100A	100-1000	T4L100E5W	<b>5,656</b>
			150A	150-1500	T4L150E5W	<b>5,865</b>
			250A	250-2500	T4L250E5W	<b>5,985</b>

#### Molded case switch ①

Type	IC at 480VAC	Amps	Magnetic trip	3 pole 600V catalog number	List price
T4N-D	25kA	250	3000	T4N250DW	<b>\$ 1,354</b>
T4S-D	35kA	250	3000	T4S250DW	<b>1,510</b>
T4H-D	65kA	250	3000	T4H250DW	<b>2,154</b>
T4L-D	100kA	250	3000	T4L250DW	<b>3,419</b>
T4V-D	150kA	250	3000	T4V250DW	<b>3,842</b>

NOTE: For terminal connection options, see page 16.43.

① When protected by a OCPD with appropriate ratings.