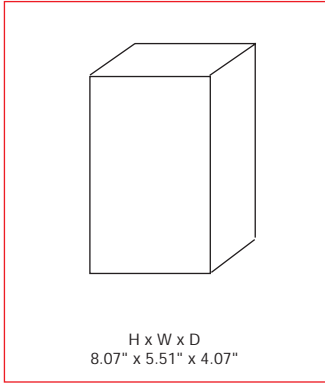




# T5

## 600A, 600V

### Electronic and thermal magnetic trip units



#### General

The T5 breaker is a 600 amp frame with either a microprocessor based over current protective trip system or a thermal magnetic trip unit. As an electronic breaker, the T5 is available in 300A, 400A and 600A frames. The T5 is available as a thermal magnetic unit of 300A or 400A.

#### Versions

To meet all application requirements, the T5 is available in the following versions:

- T = Thermal-magnetic
- B = Selectable & adjustable LI or LS
- C = Adjustable LSI
- E = Adjustable LSI<sup>①</sup>
- 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 T5 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 T5 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 <sup>①</sup>	25	35	50	65	100
600VDC <sup>②</sup>	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

<sup>①</sup> 2 poles in series.  
<sup>②</sup> 3 poles in series.

# T5

## 600A, 600V

### Electronic trip units (AC only)



#### 300A Frame

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T5N	25	PR221 LS/I	T5N300BW	<b>\$ 3260</b>
		PR222 LSI	T5N300CW	<b>3865</b>
		PR222 LSIG	T5N300EW	<b>4965</b>
T5S	35	PR221 LS/I	T5S300BW	<b>3350</b>
		PR222 LSI	T5S300CW	<b>3945</b>
		PR222 LSIG	T5S300EW	<b>5138</b>
T5H	65	PR221 LS/I	T5H300BW	<b>5395</b>
		PR222 LSI	T5H300CW	<b>5893</b>
		PR222 LSIG	T5H300EW	<b>7148</b>
T5L	100	PR221 LS/I	T5L300BW	<b>6860</b>
		PR222 LSI	T5L300CW	<b>7375</b>
		PR222 LSIG	T5L300EW	<b>8625</b>
T5V	150	PR221 LS/I	T5V300BW	<b>10,406</b>
		PR222 LSI	T5V300CW	<b>11,206</b>
		PR222 LSIG	T5V300EW	<b>12,111</b>

#### 400A Frame

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T5N	25	PR221 LS/I	T5N400BW	<b>\$ 3260</b>
		PR222 LSI	T5N400CW	<b>3865</b>
		PR222 LSIG	T5N400EW	<b>4965</b>
T5S	35	PR221 LS/I	T5S400BW	<b>3350</b>
		PR222 LSI	T5S400CW	<b>3945</b>
		PR222 LSIG	T5S400EW	<b>5138</b>
T5H	65	PR221 LS/I	T5H400BW	<b>5395</b>
		PR222 LSI	T5H400CW	<b>5893</b>
		PR222 LSIG	T5H400EW	<b>7148</b>
T5L	100	PR221 LS/I	T5L400BW	<b>6860</b>
		PR222 LSI	T5L400CW	<b>7375</b>
		PR222 LSIG	T5L400EW	<b>8625</b>
T5V	150	PR221 LS/I	T5V400BW	<b>10,406</b>
		PR222 LSI	T5V400CW	<b>11,206</b>
		PR222 LSIG	T5V400EW	<b>12,111</b>

#### 600A Frame

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T5N	25	PR221 LS/I	T5N600BW	<b>\$ 5750</b>
		PR222 LSI	T5N600CW	<b>6460</b>
		PR222 LSIG	T5N600EW	<b>8360</b>
T5S	35	PR221 LS/I	T5S600BW	<b>5910</b>
		PR222 LSI	T5S600CW	<b>6595</b>
		PR222 LSIG	T5S600EW	<b>8645</b>
T5H	65	PR221 LS/I	T5H600BW	<b>8170</b>
		PR222 LSI	T5H600CW	<b>8805</b>
		PR222 LSIG	T5H600EW	<b>10,890</b>
T5L	100	PR221 LS/I	T5L600BW	<b>9860</b>
		PR222 LSI	T5L600CW	<b>10,440</b>
		PR222 LSIG	T5L600EW	<b>12,630</b>
T5V	150	PR221 LS/I	T5V600BW	<b>13,550</b>
		PR222 LSI	T5V600CW	<b>14,375</b>
		PR222 LSIG	T5V600EW	<b>16,350</b>



# T5

## 400A, 600V

### Thermal magnetic trip units ①

#### 300A - 400A Frames

Breaker	IC at 480VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC Catalog number	List price
T5N	25	300A 400A	1500-3000 2000-4000	T5N300TW T5N400TW	<b>\$ 2612</b>
T5S	35	300A 400A	1500-3000 2000-4000	T5S300TW T5S400TW	<b>2880</b>
T5H	65	300A 400A	1500-3000 2000-4000	T5H300TW T5H400TW	<b>4950</b>
T5L	100	300A 400A	1500-3000 2000-4000	T5L300TW T5L400TW	<b>6400</b>
T5V	150	300A 400A	1500-3000 2000-4000	T5V300TW T5V400TW	<b>9873</b>

#### Molded case switch

Type	Amps	Magnetic trip	3 Pole, 600V Catalog number	List price
T5H-D	400	5000	T5H400DW	<b>\$ 4585</b>
T5H-D	600	6000	T5H600DW	<b>6550</b>
T5L-D	600	6000	T5L600DW	<b>8350</b>
T5V-D	600	6000	T5V600DW	<b>11,575</b>

① 600A not available with thermal magnetic trip unit.

# T5

## 400A, 600V, 100% Rated ①



### Electronic trip units (AC only)

#### 300A Frame

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T5N	25	PR221 LS/I	T5NQ300BW	<b>\$ 3628</b>
		PR222 LSI	T5NQ300CW	<b>4302</b>
		PR222 LSIG	T5NQ300EW	<b>5526</b>
T5S	35	PR221 LS/I	T5SQ300BW	<b>3729</b>
		PR222 LSI	T5SQ300CW	<b>4391</b>
		PR222 LSIG	T5SQ300EW	<b>5719</b>
T5H	65	PR221 LS/I	T5HQ300BW	<b>6005</b>
		PR222 LSI	T5HQ300CW	<b>6559</b>
		PR222 LSIG	T5HQ300EW	<b>7956</b>
T5L	100	PR221 LS/I	T5LQ300BW	<b>7635</b>
		PR222 LSI	T5LQ300CW	<b>8208</b>
		PR222 LSIG	T5LQ300EW	<b>9600</b>
T5V	150	PR221 LS/I	T5VQ300BW	<b>11,582</b>
		PR222 LSI	T5VQ300CW	<b>12,473</b>
		PR222 LSIG	T5VQ300EW	<b>13,480</b>

#### 400A Frame

Breaker	Ic at 480VAC kA	Trip Unit	3 Pole, 600V Catalog number	List price
T5N	25	PR221 LS/I	T5NQ400BW	<b>\$ 3628</b>
		PR222 LSI	T5NQ400CW	<b>4302</b>
		PR222 LSIG	T5NQ400EW	<b>5526</b>
T5S	35	PR221 LS/I	T5SQ400BW	<b>3729</b>
		PR222 LSI	T5SQ400CW	<b>4391</b>
		PR222 LSIG	T5SQ400EW	<b>5719</b>
T5H	65	PR221 LS/I	T5HQ400BW	<b>6005</b>
		PR222 LSI	T5HQ400CW	<b>6559</b>
		PR222 LSIG	T5HQ400EW	<b>7956</b>
T5L	100	PR221 LS/I	T5LQ400BW	<b>7635</b>
		PR222 LSI	T5LQ400CW	<b>8208</b>
		PR222 LSIG	T5LQ400EW	<b>9600</b>
T5V	150	PR221 LS/I	T5VQ400BW	<b>11,582</b>
		PR222 LSI	T5VQ400CW	<b>12,473</b>
		PR222 LSIG	T5VQ400EW	<b>13,480</b>

### Thermal magnetic trip units

#### 300A - 400A Frames

Breaker	IC at 480VAC kA	Rating	Magnetic trip	3 pole, 600VAC/600VDC Catalog number	List price
T5N	25	300A	1500-3000	T5NQ300TW	<b>\$ 2888</b>
		400A	2000-4000	T5NQ400TW	
T5S	35	300A	1500-3000	T5SQ300TW	<b>3185</b>
		400A	2000-4000	T5SQ400TW	
T5H	65	300A	1500-3000	T5HQ300TW	<b>5475</b>
		400A	2000-4000	T5HQ400TW	
T5L	100	300A	1500-3000	T5LQ300TW	<b>7078</b>
		400A	2000-4000	T5LQ400TW	
T5V	150	300A	1500-3000	T5VQ300TW	<b>10,920</b>
		400A	2000-4000	T5VQ400TW	

① 600A not available in 100% rated frame.



## T5

### 400A, 600V ①

### Magnetic only, MCP

#### T5 - 400A Frame magnetic only (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 600VAC Catalog number	List price
T5N	25kA	Instantaneous only	300A 400A	300-3000 400-4000	T5N300E5W T5N400E5W	<b>\$ 3097</b>
T5S	35kA	Instantaneous only	300A 400A	300-3000 400-4000	T5S300E5W T5S400E5W	<b>3183</b>
T5H	65kA	Instantaneous only	300A 400A	300-3000 400-4000	T5H300E5W T5H400E5W	<b>5125</b>
T5L	100kA	Instantaneous only	300A 400A	300-3000 400-4000	T5L300E5W T5L400E5W	<b>6517</b>

#### T5 - 600A Frame magnetic only (MCP - AC only)

Breaker	IC at 480VAC	Trip unit type	Rating	Adjustment range	3 pole, 600VAC Catalog number	List price
T5N	25kA	Instantaneous only	600A	600-6000	T5N600E5W	<b>\$ 5615</b>
T5S	35kA	Instantaneous only	600A	600-6000	T5S600E5W	<b>5770</b>
T5H	65kA	Instantaneous only	600A	600-6000	T5H600E5W	<b>7761</b>
T5L	100kA	Instantaneous only	600A	600-6000	T5L600E5W	<b>9370</b>

① 600A Not available with thermal magnetic trip unit.