

## General information

### Catalog number explanation

**T3 S 080 T W - 4 xxx**

#### Accessories (added in alpha-numeric order) <sup>①</sup>

**A** = Auxiliary Switch  
**S** = Shunt trip with voltage code  
**U** = Undervoltage release with voltage code

#### Number of poles

**-1** = 1 pole (T1 only)  
**-2** = 2 pole  
**-4** = 4 pole  
**None** = 3 pole

#### Type connectors

**W** = None  
**L** = Lugs included

#### Trip unit function

**B** = LS/I (AC only)  
**D** = Molded Case Switch (MCS)  
**T** = Thermal-magnetic  
**M** = Magnetic only (MCP)  
**E5** = Electronic MCP (AC only)  
**C** = LSI (AC only)  
**E** = LSIG (AC only)  
**CZ** = LSI/PD <sup>②</sup>  
**EZ** = LSIG/PD <sup>②</sup>  
**P** = LI - LCD Display <sup>③</sup>  
**R** = LSI - LCD Display <sup>③</sup>  
**S** = LSIG - LCD Display <sup>③</sup>

#### Current rating

**015** = 15A  
**080** = 80A  
**100** = 100A  
**225** = 225A  
**250** = 250A  
**400** = 400A  
**600** = 600A  
**800** = 800A  
**1200** = 1200A

#### Interrupting rating class

**B** = Basic  
**N** = Normal  
**S** = Standard  
**H** = High  
**L** = Extra High  
**V** = Very high  
**Q** = 100% Rated

#### Frame size

**T1** = 100A  
**T2** = 100A  
**T3** = 225A  
**Ts3** = 225A  
**T4** = 250A  
**T5** = 400A, 600A  
**T6** = 600A, 800A  
**T7** = 1000A, 1200A (toggle)



<sup>①</sup> Consult ABB for factory installed accessories.

<sup>②</sup> Trip unit with communication module.

<sup>③</sup> Available on T7 toggle version only.

# T4

## 250A, 600V Δ

### Electronic and thermal magnetic

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



T4

#### 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 ③

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 ①	25	35	50	65	100
600VDC ②	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 ②	16	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.

# T4

## 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	3 pole, 600V catalog number
T4N	25	PR221 LS/I	T4N100BW-2	T4N100BW
		PR222 LSI	T4N100CW-2	T4N100CW
		PR222 LSIG	T4N100EW-2	T4N100EW
T4S	35	PR221 LS/I	-	T4S100BW
		PR222 LSI	-	T4S100CW
		PR222 LSIG	-	T4S100EW
T4H UL Current Limiting	65	PR221 LS/I	-	T4H100BW
		PR222 LSI	-	T4H100CW
		PR222 LSIG	-	T4H100EW
T4L	100	PR221 LS/I	-	T4L100BW
		PR222 LSI	-	T4L100CW
		PR222 LSIG	-	T4L100EW
T4V UL Current Limiting	150	PR221 LS/I	-	T4V100BW
		PR222 LSI	-	T4V100CW
		PR222 LSIG	-	T4V100EW

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

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	3 pole, 600V catalog number
T4N	25	PR221 LS/I	T4N150BW-2	T4N150BW
		PR222 LSI	T4N150CW-2	T4N150CW
		PR222 LSIG	T4N150EW-2	T4N150EW
T4S	35	PR221 LS/I	-	T4S150BW
		PR222 LSI	-	T4S150CW
		PR222 LSIG	-	T4S150EW
T4H UL Current Limiting	65	PR221 LS/I	-	T4H150BW
		PR222 LSI	-	T4H150CW
		PR222 LSIG	-	T4H150EW
T4L	100	PR221 LS/I	-	T4L150BW
		PR222 LSI	-	T4L150CW
		PR222 LSIG	-	T4L150EW
T4V UL Current Limiting	150	PR221 LS/I	-	T4V150BW
		PR222 LSI	-	T4V150CW
		PR222 LSIG	-	T4V150EW

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

Breaker	IC at 480VAC kA	Trip Unit	2 pole, 600V catalog number	3 pole, 600V catalog number
T4N	25	PR221 LS/I	T4N250BW-2	T4N250BW
		PR222 LSI	T4N250CW-2	T4N250CW
		PR222 LSIG	T4N250EW-2	T4N250EW
T4S	35	PR221 LS/I	-	T4S250BW
		PR222 LSI	-	T4S250CW
		PR222 LSIG	-	T4S250EW
T4H UL Current Limiting	65	PR221 LS/I	-	T4H250BW
		PR222 LSI	-	T4H250CW
		PR222 LSIG	-	T4H250EW
T4L	100	PR221 LS/I	-	T4L250BW
		PR222 LSI	-	T4L250CW
		PR222 LSIG	-	T4L250EW
T4V UL Current Limiting	150	PR221 LS/I	-	T4V250BW
		PR222 LSI	-	T4V250CW
		PR222 LSIG	-	T4V250EW

NOTE: See pages 17.71-17.83 for electrical/mechanical accessories.