

E150 Line Circuit Breakers

Note: All UL listed as HACR type except 10 amp.

60°C/75°C Conductor Rating Through 100 Amperes; 75°C Above 100 Amperes
10-150 Amperes
120-600 Volts ac
125, 250 Volts dc

Single-Pole—Includes Cu/Al load lugs only. If line lugs are required, add suffix "WL" to Catalog Number.

Types TEB, TED, THED— Noninterchangeable Trip



One-Pole Two-Pole Three-Pole

Ampere Rating	Type TEB		Type TED			Type THED		
	120V ac 125 Vdc Catalog Number	List Price, GO-135B	277V ac 125 Vdc Catalog Number	List Price, GO-135B	347 Volts ac ∅ Catalog Number	List Price, GO-135B	347 Volts ac ∅ Catalog Number	List Price, GO-135B
10	TEB111010②	\$ 78.50	TED113010②	\$ 82.50	—	—	—	—
15	TEB111015①	78.50	TED113015①	82.50	TED114015①	\$152.00	THED114015①	\$416.00
20	TEB111020①	78.50	TED113020①	82.50	TED114020①	152.00	THED114020①	416.00
25	TEB111025	78.50	TED113025	82.50	TED114025	152.00	THED114025	416.00
30	TEB111030	78.50	TED113030	82.50	TED114030	152.00	THED114030	416.00
35	TEB111035	78.50	TED113035	82.50	—	—	—	—
40	TEB111040	78.50	TED113040	82.50	—	—	—	—
45	TEB111045	78.50	TED113045	82.50	—	—	—	—
50	TEB111050	78.50	TED113050	82.50	—	—	—	—
60	TEB111060	78.50	TED113060	82.50	—	—	—	—
70	TEB111070	134.00	TED113070	159.00	—	—	—	—
80	TEB111080	134.00	TED113080	159.00	—	—	—	—
90	TEB111090	134.00	TED113090	159.00	—	—	—	—
100	TEB111100	134.00	TED113100	159.00	—	—	—	—
100NA	TEB111Y100③⑤	65.50	TED113Y100③⑤	82.50	—	—	—	—

Two-Pole—Includes Cu/Al line and load lugs. For optional lugs, see page 4-62 and 63.

Ampere Rating	Type TEB		Type TED		Type THED, Hi-Break*④	
	240V ac, 250V dc Catalog Number	List Price, GO-135B	480V ac, 250V dc Catalog Number	List Price, GO-135B	480V ac, 250V dc Catalog Number	List Price, GO-135B
10	TEB122010WL②	\$159.00	TED124010WL②	\$290.00	THED124015WL	\$560.00
15	TEB122015WL	159.00	TED124015WL	290.00	THED124020WL	560.00
20	TEB122020WL	159.00	TED124020WL	290.00	THED124025WL	560.00
25	TEB122025WL	159.00	TED124025WL	290.00	THED124030WL	560.00
30	TEB122030WL	159.00	TED124030WL	290.00	THED124035WL	560.00
35	TEB122035WL	159.00	TED124035WL	290.00	THED124040WL	560.00
40	TEB122040WL	159.00	TED124040WL	290.00	THED124045WL	560.00
45	TEB122045WL	159.00	TED124045WL	290.00	THED124050WL	560.00
50	TEB122050WL	159.00	TED124050WL	290.00	THED124060WL	560.00
60	TEB122060WL	159.00	TED124060WL	290.00	—	—
70	TEB122070WL	261.00	TED124070WL	377.00	THED124070WL	653.00
80	TEB122080WL	261.00	TED124080WL	377.00	THED124080WL	653.00
90	TEB122090WL	261.00	TED124090WL	377.00	THED124090WL	653.00
100	TEB122100WL	261.00	TED124100WL	377.00	THED124100WL	653.00
100NA	TEB122Y100③	159.00	TED124Y100③	263.00	—	—
150NA	—	—	TED124Y150②③	708.00	—	—

Three-Pole—Includes Cu/Al line and load lugs. For optional lugs, see page 4-62 and 63.

Ampere Rating	Type TEB		Type TED		Type TED		Type THED, Hi-Break		
	240 Volts ac Catalog Number	List Price, GO-135B	480 Volts ac Catalog Number	List Price, GO-135B	600 Volts ac Catalog Number	List Price, GO-135B	480 Volts ac Catalog Number	600 Volts ac Catalog Number	List Price, GO-135B
10	TEB132010WL②	\$240.00	TED134010WL②	\$ 377.00	—	—	—	—	—
15	TEB132015WL	240.00	TED134015WL	377.00	TED136015WL	\$ 439.00	—	THED136015WL	\$ 655.00
20	TEB132020WL	240.00	TED134020WL	377.00	TED136020WL	439.00	—	THED136020WL	655.00
25	TEB132025WL	240.00	TED134025WL	377.00	TED136025WL	439.00	—	THED136025WL	655.00
30	TEB132030WL	240.00	TED134030WL	377.00	TED136030WL	439.00	—	THED136030WL	655.00
35	TEB132035WL	240.00	TED134035WL	377.00	TED136035WL	439.00	—	THED136035WL	655.00
40	TEB132040WL	240.00	TED134040WL	377.00	TED136040WL	439.00	—	THED136040WL	655.00
45	TEB132045WL	240.00	TED134045WL	377.00	TED136045WL	439.00	—	THED136045WL	655.00
50	TEB132050WL	240.00	TED134050WL	377.00	TED136050WL	439.00	—	THED136050WL	655.00
60	TEB132060WL	240.00	TED134060WL	377.00	TED136060WL	439.00	—	THED136060WL	655.00
70	TEB132070WL	339.00	TED134070WL	445.00	TED136070WL	534.00	—	THED136070WL	742.00
80	TEB132080WL	339.00	TED134080WL	445.00	TED136080WL	534.00	—	THED136080WL	742.00
90	TEB132090WL	339.00	TED134090WL	445.00	TED136090WL	534.00	—	THED136090WL	742.00
100	TEB132100WL	339.00	TED134100WL	445.00	TED136100WL	534.00	—	THED136100WL	742.00
110	—	—	TED134110WL	1198.00	TED136110WL	1198.00	THED134110WL	THED136110WL	1683.00
125	—	—	TED134125WL	1198.00	TED136125WL	1198.00	THED134125WL	THED136125WL	1683.00
150	—	—	TED134150WL	1198.00	TED136150WL	1198.00	THED134150WL	THED136150WL	1683.00
100NA	TEB132Y100③	240.00	TED134YT100⑥	377.00	TED136YT100⑥	445.00	—	—	—
150NA	—	—	TED134YT150⑥	967.00	TED136YT150⑥	967.00	—	—	—

① Single-pole, 15- and 20-amp breakers are also UL listed as switching duty breakers, suitable for switching 120 volts ac (TEB), 277, 347 volts ac (TED, THED) fluorescent lighting loads.

② Not UL listed.
③ Molded-case switch. Internal accessory installation requires factory installed dummy trip; specify on order. Accessories

not available for one-pole TEB, TED. See page 4-51.
④ Two-pole breaker is furnished in three-pole case.
⑤ Molded-case switch includes line and load lugs.

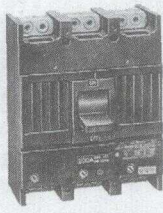
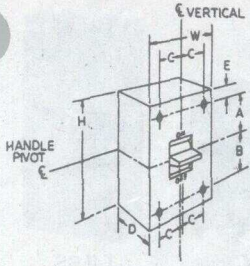
⑥ Includes factory-installed dummy trip.
⑦ Suitable for 10 kAIC at 480 Vac, but not labelled or UL listed.
Accessories:
See pages 4-48 to 4-65.

4 MOLDED CASE CIRCUIT BREAKERS

Molded Case Circuit Breakers

Quick Reference Guide

Ratings do not apply to molded-case switches.



TJJ, TJK, THJK



TFJ, TFK, THFK

E150 (UL File E-11592; Fixed Thermal Magnetic Trip Unit; CSA LR 57114)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings— rms Symmetrical Amps (In Thousands)									Dimensions (In.)						Approx. Ship Wt./Std. Pack	
					ac Voltage					dc Voltage				H	W	D	A	B	C		E
					120	120/240	240	277	480	600	125	250	500 [Ⓞ]								
TEY [Ⓢ]	15-100	1	277	125	65	—	14	14	—	—	10	—	—	5 1/4	1	3 1/8	—	—	—	—	—
		2	480Y/277	—	—	—	—	10	10	—	—	—	—								
		3	—	—	—	—	—	—	—	—	—	—	—								
TEB [Ⓢ]	10-100 [Ⓢ]	1	120	125	10	—	—	—	—	—	5	—	—	6 5/16	1 3/8	2 3/4	3 3/8	2 1/4	2 1/8	—	2 3/32
		2	240	250	—	—	10	—	—	—	—	5	—								
		3	—	—	—	—	—	—	—	—	—	—	—								
TED [Ⓢ]	10-100 [Ⓢ]	1	277,347 [Ⓢ]	125	—	—	—	14	10	—	10	—	6 5/16	1 3/8	2 3/4	3 3/8	2 1/4	2 1/8	—	2 3/32	
	15-100	2	480	250	—	—	18	—	18	—	10	—									
	10-150	3	600	500	—	—	—	—	—	14	10	10									
THED [Ⓢ]	15-30	1	277,347 [Ⓢ]	125	—	—	—	65	—	—	20 [Ⓢ]	—	6 5/16	1 3/8	—	—	—	—	—	2 3/32	
	15-100	2	480	250	—	—	65	—	—	—	20 [Ⓢ]	—									
	15-100	3	480,600	—	—	—	65	—	25	—	—	10									
TEL [Ⓢ]	15-150	3	600	—	—	100	100	—	65	25	—	—	6 5/16	4 1/8	3 3/32	2 7/16	2 1/8	1 1/8	2 3/32	3 1/2 lb/1	

225 (UL File E-11592; TFJ, Fixed Thermal Magnetic Trip Unit; TFK, THFK: Interchangeable Thermal Mag. Trip Unit; CSA LR 40350)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings— rms Symmetrical Amps (In Thousands)									Dimensions (In.)						Approx. Ship Wt./Std. Pack	
					ac Voltage					dc Voltage				H	W	D	A	B	C		E
					120	120/240	240	277	480	600	125	250	500 [Ⓞ]								
TFJ [Ⓢ]	70-225	2	480	250	—	—	25	—	22	—	—	10	—	10 1/8	4 1/8	3 3/16	3 3/8	3 3/8	1 1/8	1 3/16	10 lb/1
	70-250	3	600	500	—	—	—	—	18	—	10 [Ⓞ]	10	12 lb/1								
TFK [Ⓢ]	70-225	2	480	250	—	—	25	—	22	—	—	10	—	10 1/8	4 1/8	3 3/16	3 3/8	3 3/8	1 1/8	1 3/16	10 lb/1
		3	600	—	—	—	—	—	18	—	—	—	12 lb/1								
THFK [Ⓢ]	70-225	2	480	250	—	—	65	—	25	—	—	20 [Ⓢ]	—	10 1/8	4 1/8	3 3/16	3 3/8	3 3/8	1 1/8	1 3/16	10 lb/1
		3	600	—	—	—	—	—	18	—	—	—	12 lb/1								
TFL [Ⓢ]	70-225	3	600	—	—	100	100	—	65	25	—	—	—	10 1/8	4 1/8	3 3/16	3 3/8	3 3/8	1 1/8	1 3/16	—

J600 (UL File E-11592; TJJ, Fixed Thermal Magnetic Trip Unit; TJK, THJK: Interchangeable Thermal Mag. Trip Unit; CSA LR 40350)

TJJ, TJK4	125-400	2	600	250	—	—	42	—	30	22	—	10	—	10 1/8	8 1/4	3 3/16	3 15/16	3 15/16	1 3/8	1 3/8	16 lb/1
		3		500	—	—	—	—	20	20 [Ⓢ]	17 1/2 lb/1										
TJK6	250-600	2	600	250	—	—	42	—	30	22	—	10	—	10 1/8	8 1/4	3 3/16	3 15/16	3 15/16	1 3/8	1 3/8	18 lb/1
		3		500	—	—	—	—	20 [Ⓞ]	20	20 lb/1										
THJK4	125-400	2	600	250	—	—	65	—	35	25	—	40	—	10 1/8	8 1/4	3 3/16	3 15/16	3 15/16	1 3/8	1 3/8	16 lb/1
		3		—	—	—	—	—	—	—	17 1/2 lb/1										
THJK6	250-600	2	600	250	—	—	65	—	35	25	—	40	—	10 1/8	8 1/4	3 3/16	3 15/16	3 15/16	1 3/8	1 3/8	18 lb/1
		3		—	—	—	—	—	—	—	20 lb/1										

K1200 (UL File E-11592; Interchangeable Thermal Magnetic Trip Unit; CSA LR 40350)

TKM8	300-800	2	600	250	—	—	42	—	30	22	—	10	—	15 1/2	8 1/4	5 1/2	8 9/16	5 1 1/16	1 3/8	5/8	33 lb/1
		3		500	—	—	—	—	20 [Ⓞ]	22	39 lb/1										
TKM12	600-1200	2	600	—	—	—	42	—	30	22	—	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 1 1/16	1 3/8	5/8	38 lb/1
		3		—	—	—	—	—	—	—	41 1/2 lb/1										
THKM8	300-800	2	600	250	—	—	65	—	35	25	—	40 [Ⓢ]	—	15 1/2	8 1/4	5 1/2	8 9/16	5 1 1/16	1 3/8	5/8	33 lb/1
		3		—	—	—	—	—	—	—	39 lb/1										
THKM12	600-1200	2	600	—	—	—	65	—	35	25	—	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 1 1/16	1 3/8	5/8	38 lb/1
		3		—	—	—	—	—	—	—	41 1/2 lb/1										

Ⓢ UL listed with poles in series for 500 Vdc ungrounded battery applications.
 Ⓢ All UL listed as HACR type.
 Ⓢ 10 amp not UL listed.

Ⓢ UL listed/CSA Certified for 10kA @ 347 Vac (TED) and 18kA @ 347V (THED). Also rated 10kA @ 480V but not UL listed.

Ⓢ UL listed at 10,000 amps.
 Ⓢ Discontinued
 Ⓢ Also 10,000 amps at 500 Volts dc. Not UL listed.

Ⓢ 500 Vdc on TJJ only.

(continued on page 4-8)

4 MOLDED CASE CIRCUIT BREAKERS