

Molded Case Circuit Breakers

Industrial Circuit Breakers

Section 3

15-100A

Thermal Magnetic Trip

Type TEY

Noninterchangeable Trip

Bolt-on

480Y/277V Class

The TEY is a one-inch wide per pole, compact, "bolt-on" circuit breaker for use on grounded 480Y/277 Vac systems. The bolt-on mounting base (TEY3B) shown on page 3-100, makes the TEY suitable for various applications as a lug-lug breaker.

TEY

65kA @120, 120/240, 240 Vac; 14kA @120/240, 240, 277, 480/277 Vac

# of Poles	Ampere Rating	Wire Range ¹	Product Number	List Price GO-135B
1	15	14-10 Cu/14-10 Al	TEY115 ^{2,3}	\$72.00
1	20	14-10 Cu/14-10 Al	TEY120 ^{2,3}	\$72.00
1	25	14-10 Cu/14-10 Al	TEY125 ³	\$72.00
1	30	14-10 Cu/14-10 Al	TEY130 ³	\$72.00
1	35	10-4 Cu/10-4 Al	TEY135 ³	\$72.00
1	40	10-4 Cu/10-4 Al	TEY140 ³	\$72.00
1	45	10-4 Cu/10-4 Al	TEY145 ³	\$72.00
1	50	10-4 Cu/10-4 Al	TEY150 ³	\$72.00
1	60	10-4 Cu/10-4 Al	TEY160	\$72.00
1	70	4-1/0 Cu/4-1/0 Al	TEY170	\$142.00
1	80	4-1/0 Cu/4-1/0 Al	TEY180	\$142.00
1	90	4-1/0 Cu/4-1/0 Al	TEY190	\$142.00
1	100	4-1/0 Cu/4-1/0 Al	TEY1100	\$142.00
2	15	14-10 Cu/14-10 Al	TEY215 ³	\$216.00
2	20	14-10 Cu/14-10 Al	TEY220 ³	\$216.00
2	25	14-10 Cu/14-10 Al	TEY225 ³	\$216.00
2	30	14-10 Cu/14-10 Al	TEY230 ³	\$216.00
2	35	10-4 Cu/10-4 Al	TEY235 ³	\$216.00
2	40	10-4 Cu/10-4 Al	TEY240 ³	\$216.00
2	45	10-4 Cu/10-4 Al	TEY245 ³	\$216.00
2	50	10-4 Cu/10-4 Al	TEY250 ³	\$216.00
2	60	10-4 Cu/10-4 Al	TEY260	\$216.00
2	70	4-1/0 Cu/4-1/0 Al	TEY270	\$352.00
2	80	4-1/0 Cu/4-1/0 Al	TEY280	\$352.00
2	90	4-1/0 Cu/4-1/0 Al	TEY290	\$352.00
2	100	4-1/0 Cu/4-1/0 Al	TEY2100	\$352.00
3	15	14-10 Cu/14-10 Al	TEY315 ³	\$316.00
3	20	14-10 Cu/14-10 Al	TEY320 ³	\$316.00
3	25	14-10 Cu/14-10 Al	TEY325 ³	\$316.00
3	30	14-10 Cu/14-10 Al	TEY330 ³	\$316.00
3	35	10-4 Cu/10-4 Al	TEY335 ³	\$316.00
3	40	10-4 Cu/10-4 Al	TEY340 ³	\$316.00
3	45	10-4 Cu/10-4 Al	TEY345 ³	\$316.00
3	50	10-4 Cu/10-4 Al	TEY350 ³	\$316.00
3	60	10-4 Cu/10-4 Al	TEY360	\$316.00
3	70	4-1/0 Cu/4-1/0 Al	TEY370	\$424.00
3	80	4-1/0 Cu/4-1/0 Al	TEY380	\$424.00
3	90	4-1/0 Cu/4-1/0 Al	TEY390	\$424.00
3	100	4-1/0 Cu/4-1/0 Al	TEY3100	\$424.00

¹Solid or stranded for 14-10 AWG.

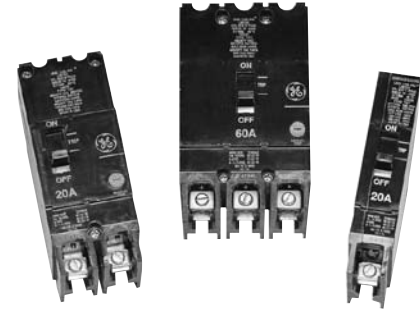
²Single-pole, 15 and 20 ampere breakers are also UL listed as switching duty breakers, suitable for switching 120, 240, or 277 Vac.

³UL listed HACR (Heating, Air Conditioning, Refrigeration).

Internal Accessories for TEY (2- and 3-pole breaker only)

Factory Installed Only

Auxiliary Switch, Single-Pole (SA at 120, 240, 277 Vac, 1/4 hp at 120, 240 Vdc)	Add suffix to Breaker Product Number	List Price Adder GO-135B
"A" switch (normally open)	AS1A	\$148.00
"B" switch (normally closed)	AS1B	\$148.00
"AB" switch (both)	ASAB	\$288.00
Shunt Trip 120-277 Vac control voltage	ST12	\$358.00



1- 2- and 3-pole TEY breakers

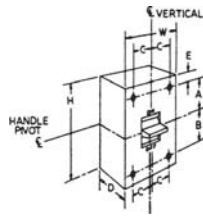


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Quick Reference Guide
10-1200A Circuit Breakers
Thermal Magnetic Trip

Ratings do not apply to molded case switches. The interruption ratings and voltages shown in the table are maximum ratings. A circuit breaker of the type given in the left-hand column may be applied at the given circuit voltage in any electrical distribution system where the available fault current at the load terminals of the breaker does not exceed the value in the table. That circuit breaker type may also be applied at intermediate values of circuit voltage provided the available fault current at the load terminals of the breaker does not exceed the value in the table for the higher value of voltage.



TJJ, TJK, THJK

TFJ, TFK, THFK

TEY (UL File E-11592; Fixed Thermal Magnetic Trip Unit; CSA LR57114)

Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings— kA								Dimensions (In.)							Approx. Ship Wt./Std. Pack	
					Vac					Vdc											
					ac	dc	120	120/240	240	277	480	600	125	250	500 ¹	H	W	D	A		B
TEY ²	15-100	1	277	125	65		14	14	—		10	—	—	5 1/4	1	3 1/16	—	—	—	—	
		2	480/277	250	—	—	65	14	14 ⁵	—	—	10	—		2						
		3	—	—	—	—	—	—	—	—	—	—	—		3						

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

TEB ²	10-100 ³	1	120	125	10		—				5	—	—	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	—	23/32	26 lb/24	
		2	240	250	—	—	10	—	—	—	—	5	—		2 3/4				24 lb/12			
		3	—	—	—	—	—	—	—	—	—	—	—		4 1/8				11/16		28 lb/8	
TED ²	10-100 ³	1	277,347 ⁴	125			—	14	10	—	10	—	—	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	—	23/32	26 lb/24	
		2	480	250	—	—	18	—	18	—	—	10	—		2 3/4				24 lb/12			
		3	480, 600	500	—	—	—	—	—	—	—	—	10		4 1/8				11/16		28 lb/8	
THED ²	15-30	1	277,347 ⁴	125			—	65	—	—	20 ⁶	—	—	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	—	23/32	26 lb/24	
		2	480	250	—	—	65	—	—	—	—	20 ⁶	—		4 1/8				11/16		24 lb/12	
		3	600	500	—	—	65	—	25	—	—	—	—		10				—		—	28 lb/8
					42	—	—	—	—	—	—	—	—		—				—		—	—

F225 (UL File E-11592; TFJ, Fixed Thermal Magnetic Trip Unit; TFK, THFK: Interchangeable Thermal Mag. Trip Unit; CSA LR 40350)

TFJ ²	70-225	2	480	250	—	—	25	—	22	—	—	10	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	10 lb/1
	70-250	3	600	500	—	—	—	—	—	—	—	—	10								12 lb/1
TFK ²	70-225	2	480	250	—	—	25	—	22	—	—	10	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	10 lb/1
		3	600	500	—	—	—	—	—	—	—	—	10								12 lb/1
THFK ²	70-225	2	480	250	—	—	65	—	25	—	—	10	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	1 3/16	10 lb/1
		3	600	500	—	—	—	—	—	—	—	—	10								12 lb/1
TFL ⁷	70-225	3	600	—	—	100	100	—	65	25	—	—	—	10 1/8	4 1/8	3 13/16	3 7/8	3 7/8	11/16	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 13/16	3 15/16	3 13/16	1 3/8	1 3/16	16 lb/1
		500		—	—	—						20	—								17 1/2 lb/1
TJK6	250-600	2	600	250	—	—	42	—	30	22	—	10	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	18 lb/1
		500		—	—	—						20	—								20 lb/1
THJK4	125-400	2	600	250	—	—	65	—	35	25	—	40	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	16 lb/1
		—		—	—	—						20	—								17 1/2 lb/1
THJK6	250-600	2	600	250	—	—	65	—	35	25	—	40	—	10 1/8	8 1/4	3 13/16	3 15/16	3 13/16	1 3/8	1 3/16	18 lb/1
		—		—	—	—						20	—								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 11/16	1 3/8	5/8	33 lb/1
		500		—	—	—						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 11/16	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 11/16	1 3/8	5/8	33 lb/1
		—		—	—	—						22	—								39 lb/1
THKM12	600-1200	2	600	—	—	—	65	—	35	25	—	—	—	15 1/2	8 1/4	5 1/2	8 9/16	5 11/16	1 3/8	5/8	38 lb/1
		3		—	—	—						—	—								41 1/2 lb/1

¹ UL listed with poles in series for 500 Vdc ungrounded battery applications.

² UL listed as HACR (heating, air conditioning, and refrigeration).

³ 10 amp not UL listed.

⁴ UL listed/CSA Certified for 10kA @ 347 Vac (TED) and 18kA @ 347V (THED). Also rated 10kA @ 480V but not UL listed.

⁵ 480V/277 Vac.

⁶ UL listed at 10,000 amps

⁷ No longer available

