

Molded Case Circuit Breakers Industrial Circuit Breakers

15-100A

Thermal Magnetic Trip

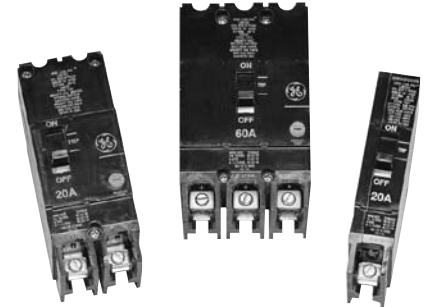
Type TEY/TEYF

Noninterchangeable Trip

Bolt-on

480Y/277V Class

TEY and TEYF breakers are one-inch wide per pole, compact, bolt-on circuit breakers for use on grounded 480Y/277 Vac systems. Short circuit ratings at that voltage for TEY and TEYF are 14 and 18kA, respectively. TEYF also offers higher selectivity ratings with upstream devices (See DET-537 for details). The bolt-on mounting base (TEY3B) shown on page 3-116 makes TEY and TEYF suitable for various lug-lug applications.



1- 2- and 3-pole TEY breakers

TEY/TEYF

14kA @ 277, 480/277 Vac; 18kA @ 277, 480/277, 180/277 Vac

Ampere Rating	Wire Range ¹	Product Number	List Price GO-135B	Product Number	List Price GO-135B
Single Pole - Includes Integral Cu/Al Load Lugs					
		Type TEY 14kA @ 277 Vac		Type TEYF 18kA @ 277 Vac	
15	14-10 Cu/14-10 Al	TEY115 ^{2,3,4}	\$72.00	TEYF115 ^{2,3,4}	\$190.00
20	14-10 Cu/14-10 Al	TEY120 ^{2,3,4}	\$72.00	TEYF120 ^{2,3,4}	\$190.00
25	14-10 Cu/14-10 Al	TEY125 ^{3,4}	\$72.00	TEYF125 ^{3,4}	\$190.00
30	14-10 Cu/14-10 Al	TEY130 ^{3,4}	\$72.00	TEYF130 ^{3,4}	\$190.00
35	10-4 Cu/10-4 Al	TEY135 ^{3,4}	\$72.00	TEYF135 ^{3,4}	\$190.00
40	10-4 Cu/10-4 Al	TEY140 ^{3,4}	\$72.00	TEYF140 ^{3,4}	\$190.00
45	10-4 Cu/10-4 Al	TEY145 ^{3,4}	\$72.00	TEYF145 ^{3,4}	\$190.00
50	10-4 Cu/10-4 Al	TEY150 ^{3,4}	\$72.00	TEYF150 ^{3,4}	\$190.00
60	10-4 Cu/10-4 Al	TEY160	\$72.00	TEYF160	\$190.00
70	4-1/0 Cu/4-1/0 Al	TEY170	\$142.00		
80	4-1/0 Cu/4-1/0 Al	TEY180	\$142.00		
90	4-1/0 Cu/4-1/0 Al	TEY190	\$142.00		
100	4-1/0 Cu/4-1/0 Al	TEY1100	\$142.00		
Two-Pole - Includes Integral Cu/Al Load Lugs					
		Type TEY 14kA @ 480 / 277 Vac		Type TEYF 18kA @ 480 / 277 Vac	
15	14-10 Cu/14-10 Al	TEY215 ^{3,4}	\$216.00	TEYF215 ^{3,4}	\$280.00
20	14-10 Cu/14-10 Al	TEY220 ^{3,4}	\$216.00	TEYF220 ^{3,4}	\$280.00
25	14-10 Cu/14-10 Al	TEY225 ^{3,4}	\$216.00	TEYF225 ^{3,4}	\$280.00
30	14-10 Cu/14-10 Al	TEY230 ^{3,4}	\$216.00	TEYF230 ^{3,4}	\$280.00
35	10-4 Cu/10-4 Al	TEY235 ^{3,4}	\$216.00	TEYF235 ^{3,4}	\$280.00
40	10-4 Cu/10-4 Al	TEY240 ^{3,4}	\$216.00	TEYF240 ^{3,4}	\$280.00
45	10-4 Cu/10-4 Al	TEY245 ^{3,4}	\$216.00	TEYF245 ^{3,4}	\$280.00
50	10-4 Cu/10-4 Al	TEY250 ^{3,4}	\$216.00	TEYF250 ^{3,4}	\$280.00
60	10-4 Cu/10-4 Al	TEY260	\$216.00	TEYF260	\$280.00
70	4-1/0 Cu/4-1/0 Al	TEY270	\$352.00	TEYF270	\$367.00
80	4-1/0 Cu/4-1/0 Al	TEY280	\$352.00	TEYF280	\$367.00
90	4-1/0 Cu/4-1/0 Al	TEY290	\$352.00	TEYF290	\$367.00
100	4-1/0 Cu/4-1/0 Al	TEY2100	\$352.00	TEYF2100	\$367.00
Three-Pole - Includes Integral Cu/Al Load Lugs					
		Type TEY 14kA @ 480 / 277 Vac		Type TEYF 18kA @ 180 / 277 Vac	
15	14-10 Cu/14-10 Al	TEY315 ^{3,4}	\$316.00	TEYF315 ^{3,4}	\$367.00
20	14-10 Cu/14-10 Al	TEY320 ^{3,4}	\$316.00	TEYF320 ^{3,4}	\$367.00
25	14-10 Cu/14-10 Al	TEY325 ^{3,4}	\$316.00	TEYF325 ^{3,4}	\$367.00
30	14-10 Cu/14-10 Al	TEY330 ^{3,4}	\$316.00	TEYF330 ^{3,4}	\$367.00
35	10-4 Cu/10-4 Al	TEY335 ^{3,4}	\$316.00	TEYF335 ^{3,4}	\$367.00
40	10-4 Cu/10-4 Al	TEY340 ^{3,4}	\$316.00	TEYF340 ^{3,4}	\$367.00
45	10-4 Cu/10-4 Al	TEY345 ^{3,4}	\$316.00	TEYF345 ^{3,4}	\$367.00
50	10-4 Cu/10-4 Al	TEY350 ^{3,4}	\$316.00	TEYF350 ^{3,4}	\$367.00
60	10-4 Cu/10-4 Al	TEY360	\$316.00	TEYF360	\$367.00
70	4-1/0 Cu/4-1/0 Al	TEY370	\$424.00	TEYF370	\$435.00
80	4-1/0 Cu/4-1/0 Al	TEY380	\$424.00	TEYF380	\$435.00
90	4-1/0 Cu/4-1/0 Al	TEY390	\$424.00	TEYF390	\$435.00
100	4-1/0 Cu/4-1/0 Al	TEY3100	\$424.00	TEYF3100	\$435.00

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).

⁴UL listed for HID (high intensity discharge).

Internal Accessories for TEY/TEYF (2- and 3-pole breaker only) Factory Installed Only

Auxiliary Switch, Single-Pole (5A 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 ⁵	\$148.00
"B" switch (normally closed)	AS1B ⁵	\$148.00
"AB" switch (both)	ASAB ⁵	\$288.00
Shunt Trip 120-277 Vac control voltage	ST12 ⁵	\$358.00

⁵Limited to one accessory per breaker.



Publications and Reference: See Section 22 for a complete list of additional product-related publications

Molded Case Circuit Breakers External Accessories

Mechanical Interlocks and Locking Devices

Mechanical Interlocks

These face-mounted interlocks prevent two adjacent breakers from being in the ON position at the same time.

Spectra® RMS Breaker Type	Face-mounted Interlock Product Number	List Price GO-1355	Adapter Kit Required when using handle operator (TDM) or motor operator. Order separately.	List Price GO-1355
SE150, SF250	SEFFMI	\$341.00	SEFFMIAK ²	\$33.50
SG600	SGFMI	\$683.00	SGFMIAK ³	\$42.00
SK1200	SKFMI	\$683.00	SKFMIAK	\$59.50

Handle-Locking, Handle-Extension Devices

Breaker Type	Device	Product Number	List Price GO-1358
TEY	Handle locking	TEYLD1	\$5.00
E150 Line	Handle locking	TLD3	\$5.00
F225 Line, THLC2, 4	Handle locking	TFKLD1 ⁷	\$6.00
SE150, SF250	Handle locking	SBD1	\$4.70 ⁴
SK1200	Handle extension - replacement	SKHDLEXT	\$96.50 ⁴

Standard Padlocking Devices⁵

Breaker Type	Device Product Number	List Price GO-1358
TEY	TEYPLD1	\$9.00
E150, TB1	TEFPLD1	\$8.00
THLC1	TLC1PLD1	\$17.00 ⁸
F225	TFKPLD1	\$4.00 ⁷
THLC2, THLC4, TLB4	TLC4PLD1	\$22.00 ⁸
J600 Line	TJKPLD1	\$8.00 ⁷
K1200 Line	TKMPLD1	\$28.50 ⁷
SE150, SF250	SEPLD	\$8.70 ⁴
SG600	SGPLD	\$15.00 ⁴
SK1200	SKPLD	\$28.50 ⁴

EUSERC Approved—Factory Installed Only

Breaker Type	Product Number	List Price GO-1358
E150	TEDPLD2	\$32.00
SE150, SF250 ⁶	SEFPLD2	\$32.00 ⁴
SG600	SGPLD2	\$48.00 ⁴
J600	TJKPLD2	\$48.00 ⁷
SK1200	SKPLD2	\$60.00 ⁴
THLC1	TLC1PLD2	\$48.00 ⁸
THLC2/4	TLC4PLD2	\$48.00 ⁸

¹GO-144.

²Not suitable with THCH45 handle.

³Compatible with motor operator only. Product Number SGFMI cannot be used with the handle operator.

⁴GO-1355.

⁵Suitable for circuit breakers used in group mounted panelboard construction only except for J600, K1200, SE150/SF250, SG600 and SK1200 which screw down to face of breaker.

⁶Field installable.

⁷GO-135LG.

⁸GO-148D.



Breaker Mounting Screw Kits

Application	Spectra® RMS Breaker Type	Kit Product Number	Screw Size (inches)	List Price GO-135S
For use on mounting plates with tapped holes (4 screws and lockwashers)	SE150	SEMSK1	10-32x2 7/8 (std.)	\$2.10
		SEMSK3	8-32x2 7/8 (opt.)	\$2.10
	SF250	SFGMSK1	12-24x3 3/4 (std.)	\$6.10
		SFMSK1	10-32x3 3/4 (opt.)	\$6.10
		SG600	SFGMSK1	12-24x3 3/4
SK1200	SKMSK1	5/16-18x1 1/4	\$8.70	
For use on mounting plates with clearance holes (4 screws, lockwashers and nuts)	SE150	SEMSK2	10-32x3 (std.)	\$2.10
		SEMSK4	8-32x3 (opt.)	\$2.10
	SF250	SFGMSK2	12-24x4 (std.)	\$6.10
		SFMSK2	10-32x4 (opt.)	\$6.10
	SG600	SFGMSK2	12-24x4	\$6.10
		SK1200	SKMSK2	5/16-18x1 3/4

Breaker Mounting Screw Kits and Accessories

Application	Breaker Type	Product Number	List Price GO-135B	
Bolt-on Mounting Base	TEY	TEY3B1	\$31.50	
		THQB	\$6.00	
Mounting Screws	1-pole E150	343L162G1	\$0.85	
		2- and 3-pole E150	SEMSK4	\$2.10²
For use on mounting plates with clearance holes	THLC1	343L162G22	\$2.10⁶	
		F225	SFGMSK2	\$6.10²
		THLC2, 4, TLB4	343L162G24	\$5.70⁶
		J600	343L162G20	\$4.50⁵
		K1200	SKMSK2	\$8.70²
For use on mounting plates with tapped holes	1-pole TE, E150	343L162G7	\$0.85	
		2- and 3-pole E150	SEMSK3	\$2.10²
	THLC1	343L162G23	\$2.10⁶	
		2- and 3-pole TQD/THQD	343L184G18	\$4.40³
	F225	SFGMSK1	\$6.10²	
		THLC2, 4, TLB4	343L162G25	\$5.70⁶
J600		343L162G11	\$4.50⁵	
K1200	SKMSK1	\$8.70²		
Cup washer (for mounting 1-pole breakers)	E150	254V644P1 (2 req'd per breaker)	\$0.10	

Back-Connected Line and Load Studs

Breaker Type	Amperes	Length, Back of Breaker in Inches	Std Pkg	Product Number	List Price GO-135B
E150 ⁴ , TB1 ⁴ , THLC1 ⁴	50	2 25/32 (short)	1	TEF1	\$27.00
		4 13/32 (long)	1	TEF2	\$27.00
	150	3 13/32 (short)	1	TEF3	\$28.00
		5 25/32 (long)	1	TEF4	\$31.50
TFJ ⁴ , TFK ⁴ , THFK ⁴	225	2 23/32 (short)	1	TFK1	\$38.50⁵
		5 31/32 (long)	1	TFK2	\$59.50⁵
J600, TJ4V, TB4, TJL	400	5 17/32	1	TJK1	\$83.50⁵
K1200, TB6, TB8	600	5 17/32	1	TJK2	\$119.00⁵
		1200	5 1/2	1	TKM11
SE150	50	2 25/32 (short)	1	TEF1	\$27.00
		4 13/32 (long)	1	TEF2	\$27.00
	150	3 13/32 (short)	1	TEF3	\$28.00
		5 25/32 (long)	1	TEF4	\$31.50
SF250	250	2 23/32 (short)	1	TFK1	\$38.50
		5 31/32 (long)	1	TFK2	\$59.50
SG600	600	2 13/16 (short)	1	SGBCS1	\$119.00²
		6 1/16 (long)	1	SGBCS2	\$119.00²
SK1200	1200	5 1/2	1	TKM11	\$220.00
		8	1	TKM12	\$242.00

¹Accepts up to 3 poles (any combination).

²GO-135S.

³GO-148C.

⁴For proper clearance between poles, a short and long stud must be assembled adjacent to each other.

⁵GO-135LG.

⁶GO-148D.

⁷Contains 24 mounting screws.

