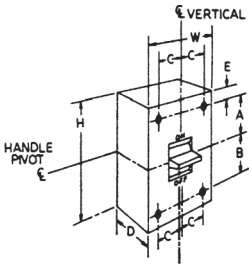
Industrial Circuit Breakers

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



TEYD, TEYH, TEYL

Ratings do not apply to molded case switches.

Maximum interruption ratings and voltages shown. 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.

TEY and TEYF (UL/cUL File E-11592; TEYD/H/L (UL/cUL File E-11592)

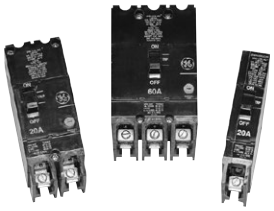
Circuit Breaker Type	Ampere Rating	No. Poles	Maximum Voltage Rating		UL Listed Interrupting Ratings—rms Symmetrical kA										Dimensions (in.)							Approx. Ship Wt./Std. Pack
					Vac							Vdc										
			ac	dc	120	120/240	240	277	480/277	480	600	125	250	500	H	W	D	A	B	C	E	
TEY[2,3]	15-100	1	277	125	65	–	14	14	–	–	–	10	–	–	5 1/4	1	3 1/16	–	–	–	–	–
		2	480/277	250	–		65	14	14	–		–	10	–		2						
		3		–								–	–	–		3						
TEYF[2,3]	15-60	1	277	125	65	–	18	18	–	–	–	10	–	–	5 1/4	1	3 1/16	–	–	–	–	–
	15-125	2	480/277	250	–		65	18	18	–		–	10	–		2						
		3		–								–	–	–		3						
TEYD	15-70	1	277	–	65	65	–	25	–	–	–	–	–	–	5 1/4	1	3 1/16	–	–	–	–	1 lb
	15-125	2	480/277	–	–	65	65	–	25	–	–	–	–	–		2						2 lb
		3														3						2.7 lb
TEYH	15-70	1	277	–	65	65	–	35	–	–	–	–	–	–	5 1/4	1	3 1/16	–	–	–	–	1 lb
	15-125	2	480/277	–	–	65	65	–	35	–	–	–	–	–		2						2 lb
		3														3						2.7 lb
TEYL	15-70	1	277	125	100	100	–	65	–	–	–	15	–	–	5 1/4	1	3 1/16	–	–	–	–	1 lb
	15-125	2	480/277	250	–	100	100	–	65	–	–	42	–	–		2						2 lb
		3										42	–	–		3						2.7 lb
E150 (UL/cUL File E-11592)																						
TEB[2,3]	10-100[4]	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		–			10					–	–	–		4 1/8				11/16		28 lb/8
TED[2,3]	10-100[4]	1	277, 347[5]	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
	10-150[4]	3[7]	480, 600	500							14	–	10	10[1]		4 1/8				11/16		28 lb/8
THED[2,3]	15-30	1	277, 347[5]	125	–	–	–	65	–	–	–	10[6]	–	–	6 5/16	1 3/8	3 3/8	2 41/64	2 15/64	–	23/32	26 lb/24
	15-100	2	480	250			65	–	–	25	–	–	10[6]	–		4 1/8				11/16		24 lb/12
	20-100	3[7]	600	500			65				18		10	10[1]								28 lb/8
	110-150						42															

[1]UL listed with poles in series for 500 Vdc ungrounded battery applications.
[2]UL listed as HACR (heating, air conditioning, and refrigeration).
[3]15-50A UL listed as HID (high intensity discharge).
[4]10 amp not UL listed, rated 5kA @ 120V, 240V and 480V
[5]UL/cUL listed for 10kA @ 347 Vac (TED) and 18kA @ 347V (THED). Rated 10kA @ 480V but not UL listed.
[6]UL listed 10kA, GE tested to 20kA.
[7]TED, 3P, 600V, 15A breaker is obsolete. (TED136015WL & THED136015WL)

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 6-177 makes TEY and TEYF suitable for various lug-lug applications.



1- 2- and 3-pole TEY/TEYF breakers

TEY/TEYF (UL/cUL File E-11592)

Ampere Rating	Wire Range[1]	Product Number	Product Number
Single Pole - Includes Integral Cu/Al Load Lugs		**Type TEY[3, 4] 14kA @ 277 Vac**	**Type TEYF[3, 4] 18kA @ 277 Vac**
15	#14-#10	TEY115[2]	TEYF115[2]
20	#14-#10	TEY120[2]	TEYF120[2]
25	#10-#4	TEY125	TEYF125
30	#10-#4	TEY130	TEYF130
35	#10-#4	TEY135	TEYF135
40	#10-#4	TEY140	TEYF140
45	#10-#4	TEY145	TEYF145
50	#10-#4	TEY150	TEYF150
60	#10-#4	TEY160	TEYF160
70	#4-1/0	TEY170	–
80	#4-1/0	TEY180	–
90	#4-1/0	TEY190	–
100	#4-1/0	TEY1100	–
Two-Pole - Includes Integral Cu/Al Load Lugs		**Type TEY[3, 4] 14kA @ 480 / 277 Vac**	**Type TEYF[3, 4] 18kA @ 480 / 277 Vac**
15	#14-#10	TEY215	TEYF215
20	#14-#10	TEY220	TEYF220
25	#10-#4	TEY225	TEYF225
30	#10-#4	TEY230	TEYF230
35	#10-#4	TEY235	TEYF235
40	#10-#4	TEY240	TEYF240
45	#10-#4	TEY245	TEYF245
50	#10-#4	TEY250	TEYF250
60	#10-#4	TEY260	TEYF260
70	#4-1/0	TEY270	TEYF270
80	#4-1/0	TEY280	TEYF280
90	#4-1/0	TEY290	TEYF290
100	#4-1/0	TEY2100	TEYF2100
110	#3-3/0 Cu, #1-3/0 Al	–	TEYF2110B
125	#3-3/0 Cu, #1-3/0 Al	–	TEYF2125B
Three-Pole - Includes Integral Cu/Al Load Lugs		**Type TEY[3, 4] 14kA @ 480 / 277 Vac**	**Type TEYF[3, 4] 18kA @ 480 / 277 Vac**
15	#14-#10	TEY315	TEYF315
20	#14-#10	TEY320	TEYF320
25	#10-#4	TEY325	TEYF325
30	#10-#4	TEY330	TEYF330
35	#10-#4	TEY335	TEYF335
40	#10-#4	TEY340	TEYF340
45	#10-#4	TEY345	TEYF345
50	#10-#4	TEY350	TEYF350
60	#10-#4	TEY360	TEYF360
70	#4-1/0	TEY370	TEYF370
80	#4-1/0	TEY380	TEYF380
90	#4-1/0	TEY390	TEYF390
100	#4-1/0	TEY3100	TEYF3100
110	#3-3/0 Cu, #1-3/0 Al	–	TEYF3110B
125	#3-3/0 Cu, #1-3/0 Al	–	TEYF3125B

[1]Solid or stranded for 14-10 AWG.
[2]Single-pole, 15 and 20 ampere breakers are also UL listed as switching duty breakers, suitable for switching 120, 240, or 277 Vac.
[3]UL listed HACR (Heating, Air Conditioning, Refrigeration).
[4]UL listed for HID (high intensity discharge), all 50A or less.