

# Molded Case Circuit Breakers Industrial Circuit Breakers

15-100A

Thermal Magnetic Trip

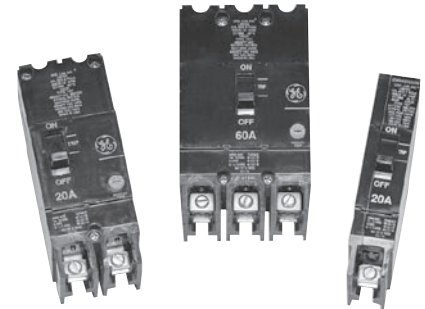
Type TEY/TEYF

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 <sup>1</sup>	Product Number	List Price GO-135B	Product Number	List Price GO-135B
<b>Single Pole - Includes Integral Cu/Al Load Lugs</b>					
		<b>Type TEY 14kA @ 277 Vac</b>		<b>Type TEYF 18kA @ 277 Vac</b>	
15	14-10 Cu/14-10 Al	TEY115 <sup>2,3,4</sup>	\$72.00	TEYF115 <sup>2,3,4</sup>	\$190.00
20	14-10 Cu/14-10 Al	TEY120 <sup>2,3,4</sup>	\$72.00	TEYF120 <sup>2,3,4</sup>	\$190.00
25	14-10 Cu/14-10 Al	TEY125 <sup>3,4</sup>	\$72.00	TEYF125 <sup>3,4</sup>	\$190.00
30	14-10 Cu/14-10 Al	TEY130 <sup>3,4</sup>	\$72.00	TEYF130 <sup>3,4</sup>	\$190.00
35	10-4 Cu/10-4 Al	TEY135 <sup>3,4</sup>	\$72.00	TEYF135 <sup>3,4</sup>	\$190.00
40	10-4 Cu/10-4 Al	TEY140 <sup>3,4</sup>	\$72.00	TEYF140 <sup>3,4</sup>	\$190.00
45	10-4 Cu/10-4 Al	TEY145 <sup>3,4</sup>	\$72.00	TEYF145 <sup>3,4</sup>	\$190.00
50	10-4 Cu/10-4 Al	TEY150 <sup>3,4</sup>	\$72.00	TEYF150 <sup>3,4</sup>	\$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		
<b>Two-Pole - Includes Integral Cu/Al Load Lugs</b>					
		<b>Type TEY 14kA @ 480 / 277 Vac</b>		<b>Type TEYF 18kA @ 480 / 277 Vac</b>	
15	14-10 Cu/14-10 Al	TEY215 <sup>3,4</sup>	\$216.00	TEYF215 <sup>3,4</sup>	\$280.00
20	14-10 Cu/14-10 Al	TEY220 <sup>3,4</sup>	\$216.00	TEYF220 <sup>3,4</sup>	\$280.00
25	14-10 Cu/14-10 Al	TEY225 <sup>3,4</sup>	\$216.00	TEYF225 <sup>3,4</sup>	\$280.00
30	14-10 Cu/14-10 Al	TEY230 <sup>3,4</sup>	\$216.00	TEYF230 <sup>3,4</sup>	\$280.00
35	10-4 Cu/10-4 Al	TEY235 <sup>3,4</sup>	\$216.00	TEYF235 <sup>3,4</sup>	\$280.00
40	10-4 Cu/10-4 Al	TEY240 <sup>3,4</sup>	\$216.00	TEYF240 <sup>3,4</sup>	\$280.00
45	10-4 Cu/10-4 Al	TEY245 <sup>3,4</sup>	\$216.00	TEYF245 <sup>3,4</sup>	\$280.00
50	10-4 Cu/10-4 Al	TEY250 <sup>3,4</sup>	\$216.00	TEYF250 <sup>3,4</sup>	\$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
<b>Three-Pole - Includes Integral Cu/Al Load Lugs</b>					
		<b>Type TEY 14kA @ 480 / 277 Vac</b>		<b>Type TEYF 18kA @ 480 / 277 Vac</b>	
15	14-10 Cu/14-10 Al	TEY315 <sup>3,4</sup>	\$316.00	TEYF315 <sup>3,4</sup>	\$367.00
20	14-10 Cu/14-10 Al	TEY320 <sup>3,4</sup>	\$316.00	TEYF320 <sup>3,4</sup>	\$367.00
25	14-10 Cu/14-10 Al	TEY325 <sup>3,4</sup>	\$316.00	TEYF325 <sup>3,4</sup>	\$367.00
30	14-10 Cu/14-10 Al	TEY330 <sup>3,4</sup>	\$316.00	TEYF330 <sup>3,4</sup>	\$367.00
35	10-4 Cu/10-4 Al	TEY335 <sup>3,4</sup>	\$316.00	TEYF335 <sup>3,4</sup>	\$367.00
40	10-4 Cu/10-4 Al	TEY340 <sup>3,4</sup>	\$316.00	TEYF340 <sup>3,4</sup>	\$367.00
45	10-4 Cu/10-4 Al	TEY345 <sup>3,4</sup>	\$316.00	TEYF345 <sup>3,4</sup>	\$367.00
50	10-4 Cu/10-4 Al	TEY350 <sup>3,4</sup>	\$316.00	TEYF350 <sup>3,4</sup>	\$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

<sup>1</sup>Solid or stranded for 14-10 AWG.

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

<sup>3</sup>UL listed HACR (Heating, Air Conditioning, Refrigeration).

<sup>4</sup>UL 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 <sup>5</sup>	\$148.00
"B" switch (normally closed)	AS1B <sup>5</sup>	\$148.00
"AB" switch (both)	ASAB <sup>5</sup>	\$288.00
Shunt Trip 120-277 Vac control voltage	ST12 <sup>5</sup>	\$358.00

<sup>5</sup>Limited to one accessory per breaker.



# Molded Case Circuit Breakers Industrial Circuit Breakers

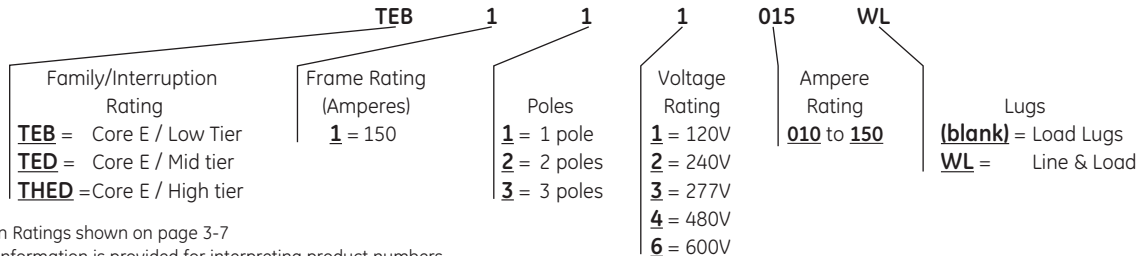
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## Section 3

15-150A Circuit Breakers  
Thermal-Magnetic Trip  
E150 Line Circuit Breakers  
Types TEB, TED, THED  
Noninterchangeable Trip



### Product Number Structure



Interruption Ratings shown on page 3-7

Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

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

Ampere Rating	Type TEB		Type TED			Type THED				
	120 Vac 125 Vdc		277 Vac 125 Vdc		347 Vac <sup>1</sup>	277 Vac		347 Vac <sup>1</sup>		
	Product Number	List Price GO-135B	Product Number	List Price GO-135B	Product Number	List Price GO-135B	Product Number	List Price GO-135B	Product Number	List Price GO-135B
10	TEB111010 <sup>2,4</sup>	\$78.50	TED113010 <sup>2,4</sup>	\$82.50			THED113015 <sup>4</sup>	\$229.00	THED114015 <sup>3,4</sup>	\$416.00
15	TEB111015 <sup>3,4</sup>	\$78.50	TED113015 <sup>3,4</sup>	\$82.50	TED114015 <sup>3,4</sup>	\$152.00	THED113020 <sup>4</sup>	\$229.00	THED114020 <sup>3,4</sup>	\$416.00
20	TEB111020 <sup>3,4</sup>	\$78.50	TED113020 <sup>3,4</sup>	\$82.50	TED114020 <sup>3,4</sup>	\$152.00	THED113025 <sup>4</sup>	\$229.00	THED114025 <sup>4</sup>	\$416.00
25	TEB111025 <sup>4</sup>	\$78.50	TED113025 <sup>4</sup>	\$82.50	TED114025 <sup>4</sup>	\$152.00	THED113030 <sup>4</sup>	\$229.00	THED114030 <sup>4</sup>	\$416.00
30	TEB111030 <sup>4</sup>	\$78.50	TED113030 <sup>4</sup>	\$82.50	TED114030 <sup>4</sup>	\$152.00				
35	TEB111035 <sup>4</sup>	\$78.50	TED113035 <sup>4</sup>	\$82.50						
40	TEB111040 <sup>4</sup>	\$78.50	TED113040 <sup>4</sup>	\$82.50						
45	TEB111045 <sup>4</sup>	\$78.50	TED113045 <sup>4</sup>	\$82.50						
50	TEB111050 <sup>4</sup>	\$78.50	TED113050 <sup>4</sup>	\$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						

### Two Pole — Includes Cu/Al line and load lugs. For optional lugs, see page 3-117 and 3-118.

Ampere Rating	Type TEB		Type TED		Type THED, Hi-Break <sup>5</sup>	
	240 Vac, 250 Vdc		480 Vac, 250 Vdc		480 Vac, 250 Vdc	
	Product Number	List Price GO-135B	Product Number	List Price GO-135B	Product Number	List Price GO-135B
10	TEB122010WL <sup>2,4</sup>	\$159.00	TED124010WL <sup>2,4</sup>	\$290.00		
15	TEB122015WL <sup>4</sup>	\$159.00	TED124015WL <sup>4</sup>	\$290.00	THED124015WL <sup>4</sup>	\$560.00
20	TEB122020WL <sup>4</sup>	\$159.00	TED124020WL <sup>4</sup>	\$290.00	THED124020WL <sup>4</sup>	\$560.00
25	TEB122025WL <sup>4</sup>	\$159.00	TED124025WL <sup>4</sup>	\$290.00	THED124025WL <sup>4</sup>	\$560.00
30	TEB122030WL <sup>4</sup>	\$159.00	TED124030WL <sup>4</sup>	\$290.00	THED124030WL <sup>4</sup>	\$560.00
35	TEB122035WL <sup>4</sup>	\$159.00	TED124035WL <sup>4</sup>	\$290.00	THED124035WL <sup>4</sup>	\$560.00
40	TEB122040WL <sup>4</sup>	\$159.00	TED124040WL <sup>4</sup>	\$290.00	THED124040WL <sup>4</sup>	\$560.00
45	TEB122045WL <sup>4</sup>	\$159.00	TED124045WL <sup>4</sup>	\$290.00	THED124045WL <sup>4</sup>	\$560.00
50	TEB122050WL <sup>4</sup>	\$159.00	TED124050WL <sup>4</sup>	\$290.00	THED124050WL <sup>4</sup>	\$560.00
60	TEB122060WL	\$159.00	TED124060WL	\$290.00	THED124060WL	\$560.00
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
110			TED124110WL	\$1000.00		
125			TED124125WL	\$1000.00		
150			TED124150WL	\$1000.00		

<sup>1</sup>Suitable for 10 kAIC at 480 Vac, but not labeled or UL listed.

<sup>2</sup>Not UL listed, rated 5kA @ 120V, 240V and 480V.

<sup>3</sup>Single-pole, 15- and 20-ampere breakers are also UL listed as switching duty breakers, suitable for switching 120 Vac (TEB), 277, 347 Vac (TED, THED) fluorescent lighting loads.

<sup>4</sup>UL listed for HID (high intensity discharge).

<sup>5</sup>Two-pole breaker is furnished in three-pole case.

Notes: All TEB, TED, THED breakers UL listed as HACR type except 10 ampere.

All TEB, TED, THED breakers suitable for reverse feed.

60/75°C rating through 100 amperes, 75°C rating above 100 amperes.



# Molded Case Circuit Breakers Industrial Circuit Breakers

15-150A Circuit Breakers  
Thermal-Magnetic Trip  
E150 Line Circuit Breakers  
Types TEB, TED, THED  
Noninterchangeable Trip

Three Pole — Includes Cu/Al line and load lugs. For optional lugs, see page 3-117 and 3-118.

Ampere Rating	Type TEB		Type TED				Type THED, Hi-Break	
	240 Vac		480 Vac		600 Vac		600 Vac	
	Product Number	List Price GO-135B	Product Number	List Price GO-135B	Product Number	List Price GO-135B	Product Number	List Price GO-135B
10	TEB132010WL <sup>1,3</sup>	\$240.00	TED134010WL <sup>1,3</sup>	\$377.00	—	—	—	—
15	TEB132015WL <sup>3</sup>	\$240.00	TED134015WL <sup>3</sup>	\$377.00	TED136015WL <sup>3</sup>	\$439.00	THED136015WL <sup>3</sup>	\$655.00
20	TEB132020WL <sup>3</sup>	\$240.00	TED134020WL <sup>3</sup>	\$377.00	TED136020WL <sup>3</sup>	\$439.00	THED136020WL <sup>3</sup>	\$655.00
25	TEB132025WL <sup>3</sup>	\$240.00	TED134025WL <sup>3</sup>	\$377.00	TED136025WL <sup>3</sup>	\$439.00	THED136025WL <sup>3</sup>	\$655.00
30	TEB132030WL <sup>3</sup>	\$240.00	TED134030WL <sup>3</sup>	\$377.00	TED136030WL <sup>3</sup>	\$439.00	THED136030WL <sup>3</sup>	\$655.00
35	TEB132035WL <sup>3</sup>	\$240.00	TED134035WL <sup>3</sup>	\$377.00	TED136035WL <sup>3</sup>	\$439.00	THED136035WL <sup>3</sup>	\$655.00
40	TEB132040WL <sup>3</sup>	\$240.00	TED134040WL <sup>3</sup>	\$377.00	TED136040WL <sup>3</sup>	\$439.00	THED136040WL <sup>3</sup>	\$655.00
45	TEB132045WL <sup>3</sup>	\$240.00	TED134045WL <sup>3</sup>	\$377.00	TED136045WL <sup>3</sup>	\$439.00	THED136045WL <sup>3</sup>	\$655.00
50	TEB132050WL <sup>3</sup>	\$240.00	TED134050WL <sup>3</sup>	\$377.00	TED136050WL <sup>3</sup>	\$439.00	THED136050WL <sup>3</sup>	\$655.00
60	TEB132060WL	\$240.00	TED134060WL	\$377.00	TED136060WL	\$439.00	—	—
70	TEB132070WL	\$339.00	TED134070WL	\$445.00	TED136070WL	\$534.00	THED136070WL	\$742.00
80	TEB132080WL	\$339.00	TED134080WL	\$445.00	TED136080WL	\$534.00	—	—
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	THED136110WL	\$1683.00
125	—	—	TED134125WL	\$1198.00	TED136125WL	\$1198.00	THED136125WL	\$1683.00
150	—	—	TED134150WL	\$1198.00	TED136150WL	\$1198.00	THED136150WL	\$1683.00
100NA	—	—	TED134YT100 <sup>2</sup>	\$377.00	TED136YT100 <sup>2</sup>	\$445.00	—	—
150NA	—	—	TED134YT150 <sup>2</sup>	\$967.00	TED136YT150 <sup>2</sup>	\$967.00	—	—

<sup>1</sup>Not UL listed, rated 5kA @ 120V, 240V and 480V.

<sup>2</sup>Includes factory-installed dummy trip.

<sup>3</sup>UL listed for HID (high intensity discharge).

Notes: All TEB, TED, THED breakers UL listed as HACR type except 10 ampere.

All TEB, TED, THED breakers suitable for reverse feed.

60/75°C rating through 100 amperes, 75°C rating above 100 amperes.

Accessories: See pages 3-40 to 3-46 and 3-108 to 3-120.

### Add-on Current Limiter — UL Listed 100 kAIC at 480 and 600 VAC<sup>4</sup>

Ampere Rating	Product Number	List Price GO-135B
15	TEDL36015	\$848.00
20	TEDL36020	\$848.00
30	TEDL36030	\$848.00
60	TEDL36060	\$848.00
100	TEDL36100	\$848.00

<sup>4</sup>For use with 3 Pole TED/THED only

### E150 Reference Publications

TDR Operating Mechanism	GEH-2994
Shunt Trip	GEH-3416
Undervoltage Release	GEH-3417
Auxiliary Switch	GEH-3418
Three Coil Shunt Trip	GEH-3434
Mechanical Interlock	GEH-4310
TDM Operating Mechanism	GEH-4335
Bell Alarm	GEH-4576
Plug-in Mounting Base	GEH-4610
STDA Flange Handle	GEH-5314
STDA Operating Mechanism	GEH-5684
Cable Operator Mechanism	GEH-6290
Motor Operator	GEH-6500
Back Connected Studs	GEJ-3609
Padlocking Device - Standard	GEJ-5143
E150 Outline Drawing	139C3643SH1, 2, 4



# Molded Case Circuit Breakers

## Industrial Circuit Breakers

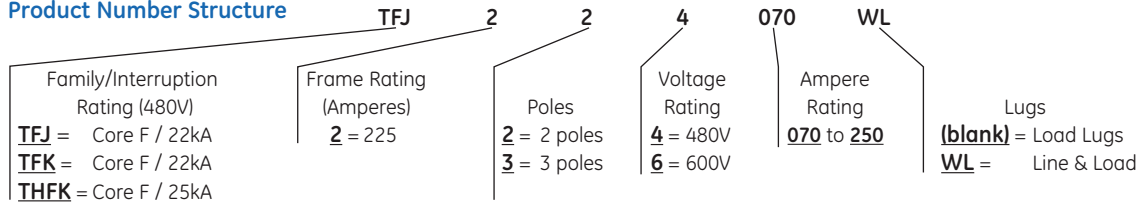
# Section 3

70-250A Circuit Breakers  
 Thermal-Magnetic Trip  
 F225 Line Circuit Breakers  
 Types TFJ, TFK, THFK



Type TFK

### Product Number Structure



Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

### Type TFJ – Noninterchangeable Trip, includes Cu/Al Line and Load lugs, suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Complete Breaker 480 Vac Max		Complete Breaker 600 Vac Max		Copper/Aluminum Lugs	Wire Size
	Low	High	Product Number	List Price GO-135LG	Product Number	List Price GO-135LG		
			Two-Pole		Three-Pole			
70	600	900	TFJ224070WL	\$1122.00	TFJ236070WL	\$1407.00		
80	700	1000	TFJ224080WL	\$1122.00	TFJ236080WL	\$1407.00		
90	600	900	TFJ224090WL	\$1122.00	TFJ236090WL	\$1407.00		
100	600	1250	TFJ224100WL	\$1122.00	TFJ236100WL	\$1407.00		
110	660	1250	TFJ224110WL	\$1122.00	TFJ236110WL	\$1407.00		
125	600	1250	TFJ224125WL	\$1122.00	TFJ236125WL	\$1407.00	TCAL24	4-300 Cu/Al
150	700	1500	TFJ224150WL	\$1122.00	TFJ236150WL	\$1407.00		
175	800	1750	TFJ224175WL	\$1122.00	TFJ236175WL	\$1407.00		
200	900	2000	TFJ224200WL	\$1122.00	TFJ236200WL	\$1407.00		
225	1000	2250	TFJ224225WL	\$1122.00	TFJ236225WL	\$1407.00		
250	1000	2250	—	—	TFJ236250WL	\$2075.00	1	1

### Types TFK, THFK – Interchangeable Trip, includes Cu/Al Line and Load lugs, not suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range	Complete Circuit Breaker Includes Line and Load Lugs				Trip Unit Only		Frame Only		Terminal Lugs for Front Connection (Copper/Aluminum) <sup>2</sup>			
		Standard		High-Break		Use with Standard and Hi-Break Frames	List Price GO-135LG	Product Number	List Price GO-135LG	Product Number			
		Product Number	List Price GO-135LG	Product Number	List Price GO-135LG					(Order 1 line and 1 load per pole)	List Price GO-135LG	Wire Size	
<b>Two-Pole, 480 Vac Max., 250 Vdc Max.</b>													
70	600	900	TFK224070WL	\$1122.00	THFK224070WL	\$2315.00	TFK226T070	\$337.00					
80	700	1000	TFK224080WL	\$1122.00	THFK224080WL	\$2315.00	TFK226T080	\$337.00	TFK224F000	\$753.00			
90	600	900	TFK224090WL	\$1122.00	THFK224090WL	\$2315.00	TFK226T090	\$337.00	Standard				
100	600	1250	TFK224100WL	\$1122.00	THFK224100WL	\$2315.00	TFK226T100	\$337.00	Frame				
110	660	1250	TFK224110WL	\$1122.00	THFK224110WL	\$2315.00	TFK226T110	\$337.00					
125	600	1250	TFK224125WL	\$1122.00	THFK224125WL	\$2315.00	TFK226T125	\$337.00			TCAL24	\$8.00	4-300 Cu/Al
150	700	1500	TFK224150WL	\$1122.00	THFK224150WL	\$2315.00	TFK226T150	\$337.00					
175	800	1750	TFK224175WL	\$1122.00	THFK224175WL	\$2315.00	TFK226T175	\$337.00	THFK224F000	\$1946.00			
200	900	2000	TFK224200WL	\$1122.00	THFK224200WL	\$2315.00	TFK226T200	\$337.00	Hi-Break				
225	1000	2250	TFK224225WL	\$1122.00	THFK224225WL	\$2315.00	TFK226T225	\$337.00	Frame				
<b>Three-Pole, 600 Vac Max., 250 Vdc Max.</b>													
70	600	900	TFK236070WL	\$1407.00	THFK236070WL	\$2787.00	TFK236T070	\$445.00					
80	700	1000	TFK236080WL	\$1407.00	THFK236080WL	\$2787.00	TFK236T080	\$445.00	TFK236F000	\$914.00			
90	600	900	TFK236090WL	\$1407.00	THFK236090WL	\$2787.00	TFK236T090	\$445.00	Standard				
100	600	1250	TFK236100WL	\$1407.00	THFK236100WL	\$2787.00	TFK236T100	\$445.00	Frame				
110	660	1250	TFK236110WL	\$1407.00	THFK236110WL	\$2787.00	TFK236T110	\$445.00					
125	600	1250	TFK236125WL	\$1407.00	THFK236125WL	\$2787.00	TFK236T125	\$445.00			TCAL24	\$8.00	4-300 Cu/Al
150	700	1500	TFK236150WL	\$1407.00	THFK236150WL	\$2787.00	TFK236T150	\$445.00					
175	800	1750	TFK236175WL	\$1407.00	THFK236175WL	\$2787.00	TFK236T175	\$445.00	THFK236F000	\$2294.00			
200	900	2000	TFK236200WL	\$1407.00	THFK236200WL	\$2787.00	TFK236T200	\$445.00	Hi-Break				
225	1000	2250	TFK236225WL	\$1407.00	THFK236225WL	\$2787.00	TFK236T225	\$445.00	Frame				
225	600	1400	—	—	—	—	TFK236TM1225 <sup>3</sup>	\$555.00					
Mag Only	1000	2250	—	—	—	—	TFK236TM2225 <sup>3</sup>	\$555.00					

<sup>1</sup>TC024 load end. Wire range #4-300 copper only.

<sup>2</sup>For optional lug see page 3-117.

<sup>3</sup>Not UL listed.

Note: All TFJ, TFK and THFK breakers UL listed as HACR type.

Accessories: See pages 3-40 to 3-46 and 3-108 to 3-120.

### F225 Reference Publications

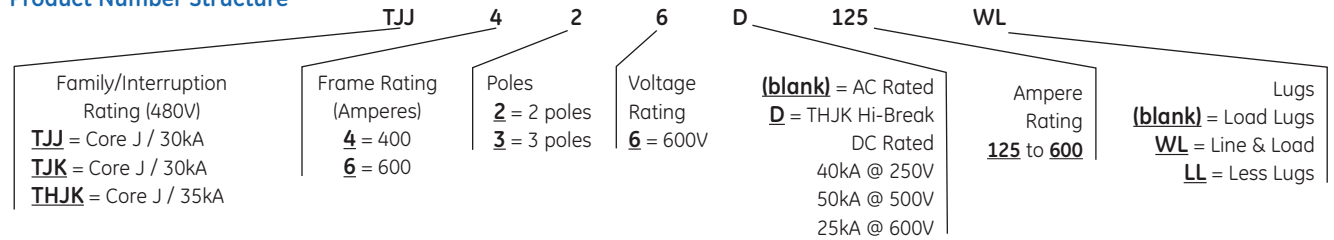
Trip Unit	GEH-2996
TDR Operating Mechanism	GEH-3018
Mechanical Interlock	GEH-3022
TDM Operating Mechanism	GEH-3023
Motor Operator	GEH-4581
Plug-in Mounting Base	GEH-4610
Bell Alarm and Shunt Trip	GEH-4620
Three Coil Shunt Trip	GEH-4622
Undervoltage Release and Auxiliary Switch	GEH-4653
STDA Flange Handle	GEH-5314
STDA Operating Mechanism	GEH-5317
Back Connected Studs	GEJ-3635
F225 Outline Drawing	455C561SH6



# Molded Case Circuit Breakers Industrial Circuit Breakers

125-600A Circuit Breakers  
Thermal-Magnetic Trip  
J600 Line Circuit Breakers  
Types TJJ, TJK, THJK

### Product Number Structure



Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

### Type TJJ Noninterchangeable Trip, includes Cu/Al Line and Load Lugs, suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Frame				Terminal Lugs for Front Connection (Cu/Al)	
			2-Pole, 400 Ampere Frame 600 Vac, 250 Vdc		3-Pole, 400 Ampere Frame 600 Vac		Copper/ Aluminum Lugs	Wire Size
			Product Number	List Price GO-135LG	Product Number	List Price GO-135LG		
125	375	1250	TJJ426125WL	\$2118.00	TJJ436125WL	\$2573.00	TCAL43 <sup>3</sup> Included in price of breaker	(1) 6-600 or (2) 2/0-250 Cu/Al
150	450	1500	TJJ426150WL	\$2118.00	TJJ436150WL	\$2573.00		
175	525	1750	TJJ426175WL	\$2118.00	TJJ436175WL	\$2573.00		
200	600	2000	TJJ426200WL	\$2118.00	TJJ436200WL	\$2573.00		
225	675	2250	TJJ426225WL	\$2118.00	TJJ436225WL	\$2573.00		
250	750	2500	TJJ426250WL	\$2118.00	TJJ436250WL	\$2573.00		
300	900	3000	TJJ426300WL	\$2118.00	TJJ436300WL	\$2573.00		
350	1050	3500	TJJ426350WL	\$2118.00	TJJ436350WL	\$2573.00		
400	1200	4000	TJJ426400WL	\$2118.00	TJJ436400WL	\$2573.00		

### Types TJK, THJK – Interchangeable Trip, includes Cu/Al Line and Load Lugs, not suitable for reverse feed

Complete Circuit Breaker Includes Line and Load Lugs										Terminal Lugs for Front Connection (Cu/Al) <sup>1</sup>			
Adjustable Instantaneous Trip Ampere Range					Frame Only					Product Number (Order 2 per pole)			
Ampere Rating	Range		Standard Product Number	List Price GO-135LG	Hi-Break Product Number	List Price GO-135LG	Product Number	List Price GO-135LG	Trip Unit Only. Use with Standard and Hi-Break Frames	List Price GO-135LG	Product Number (Order 2 per pole)	List Price GO-135LG	Wire Size
<b>400A Frame—Two-Pole</b>													
125	375	1250	TJK426125WL	\$2118.00	THJK426125WL	\$3085.00			TJK426T125	\$464.00	TCAL43 <sup>3</sup>	\$14.00	(1) 6-600 or (2) 2/0-250 Cu/Al
150	450	1500	TJK426150WL	\$2118.00	THJK426150WL	\$3085.00	TJK426F000	\$1598.00	TJK426T150	\$464.00			
175	525	1750	TJK426175WL	\$2118.00	THJK426175WL	\$3085.00	Standard		TJK426T175	\$464.00			
200	600	2000	TJK426200WL	\$2118.00	THJK426200WL	\$3085.00	Frame		TJK426T200	\$464.00			
225	675	2250	TJK426225WL	\$2118.00	THJK426225WL	\$3085.00			TJK426T225	\$464.00			
250	750	2500	TJK426250WL	\$2118.00	THJK426250WL	\$3085.00			TJK426T250	\$464.00			
300	900	3000	TJK426300WL	\$2118.00	THJK426300WL	\$3085.00			TJK426T300	\$464.00			
350	1050	3500	TJK426350WL	\$2118.00	THJK426350WL	\$3085.00	THJK426F000	\$2565.00	TJK426T350	\$464.00			
400	1200	4000	TJK426400WL	\$2118.00	THJK426400WL	\$3085.00	Hi-Break		TJK426T400	\$464.00			
<b>400A Frame—Three-Pole</b>													
125	375	1250	TJK436125WL	\$2573.00	THJK436125WL	\$3675.00			TJK436T125	\$464.00	TCAL43 <sup>3</sup>	\$14.00	(1) 6-600 or (2) 2/0-250 Cu/Al
150	450	1500	TJK436150WL	\$2573.00	THJK436150WL	\$3675.00	TJK436F000	\$2025.00	TJK436T150	\$464.00			
175	525	1750	TJK436175WL	\$2573.00	THJK436175WL	\$3675.00	Standard		TJK436T175	\$464.00			
200	600	2000	TJK436200WL	\$2573.00	THJK436200WL	\$3675.00	Frame		TJK436T200	\$464.00			
225	675	2250	TJK436225WL	\$2573.00	THJK436225WL	\$3675.00			TJK436T225	\$464.00			
250	750	2500	TJK436250WL	\$2573.00	THJK436250WL	\$3675.00			TJK436T250	\$464.00			
300	900	3000	TJK436300WL	\$2573.00	THJK436300WL	\$3675.00			TJK436T300	\$464.00			
350	1050	3500	TJK436350WL	\$2573.00	THJK436350WL	\$3675.00	THJK436F000	\$3127.00	TJK436T350	\$464.00			
400	1200	4000	TJK436400WL	\$2573.00	THJK436400WL	\$3675.00	Hi-Break		TJK436T400	\$464.00			
400	600	2000	—	—	—	—			TJK436TM1400 <sup>2</sup>	\$558.00			
Mag	1200	4000	—	—	—	—			TJK436TM2400 <sup>2</sup>	\$558.00			
Only	350	1000	—	—	—	—			TJK436TM3400 <sup>2</sup>	\$558.00			

<sup>1</sup>For optional lugs, see page 3-117.

<sup>2</sup>Not UL listed.

<sup>3</sup>Alternate lug for 750 kcmil Cu/Al cable, Product Number TCAL47 List Price \$26.00, GO-135LG.

Accessories: See pages 3-40 to 3-46 and 3-108 to 3-120.



# Molded Case Circuit Breakers Industrial Circuit Breakers

# Section 3

125-600A Circuit Breakers  
Thermal-Magnetic Trip  
J600 Line Circuit Breakers  
Types TJJ, TJK, THJK

## Type THJK - 600V High Break DC Circuit Breakers

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Hi-Break Product Number	List Price GO-135LG	Frame Only Product Number	List Price GO-135LG	Trip Unit Only. Use w/ Standard and Hi-Break Frames		List Price GO-135LG	Product Number (Order 2 per pole)	List Price GO-135LG	Wire Size
	Low	High					List Price	List Price				
<b>400A Frame—Three-Pole</b>												
125	375	1250	THJK436D125WL	\$4005.00	THJK436D000	\$2207.00	TJK436T125	\$464.00	TCAL43 <sup>3</sup>	\$14.00	(1) 6-600 or (2) 2/0-250 Cu/Al	
150	450	1500	THJK436D150WL	\$4005.00			TJK436T150	\$464.00				
175	525	1750	THJK436D175WL	\$4005.00			TJK436T175	\$464.00				
200	600	2000	THJK436D200WL	\$4005.00			TJK436T200	\$464.00				
225	675	2250	THJK436D225WL	\$4005.00			TJK436T225	\$464.00				
250	750	2500	THJK436D250WL	\$4005.00			TJK436T250	\$464.00				
300	900	3000	THJK436D300WL	\$4005.00			TJK436T300	\$464.00				
350	1050	3500	THJK436D350WL	\$4005.00			TJK436T350	\$464.00				
400	1200	4000	THJK436D400WL	\$4005.00			TJK436T400	\$464.00				
<b>600A Frame—Three-Pole</b>												
250	750	2500	THJK636D250WL	\$4858.00	THJK636D000	\$3436.00	TJK636T250	\$1221.00	TCAL43 <sup>3</sup>	\$14.00	(1) 6-600 or (2) 2/0-250 Cu/Al	
300	900	3000	THJK636D300WL	\$4858.00			TJK636T300	\$1221.00				
350	1050	3500	THJK636D350WL	\$4858.00			TJK636T350	\$1221.00				
400	1200	4000	THJK636D400WL	\$4858.00			TJK636T400	\$1221.00				

## Types TJK, THJK – Interchangeable Trip, includes Cu/Al Line and Load Lugs, not suitable for reverse feed

Ampere Rating	Adjustable Instantaneous Trip Ampere Range		Standard Product Number	List Price GO-135LG	Hi-Break Product Number	List Price GO-135LG	Frame Only Product Number	List Price GO-135LG	Trip Unit Only. Use w/ Standard and Hi-Break Frames		List Price GO-135LG	Product Number (Order 2 per pole)	List Price GO-135LG	Wire Size
	Low	High							List Price	List Price				
<b>600A Frame—Two-Pole</b>														
250	750	2500	TJK626250WL	\$2812.00	THJK626250WL	\$3704.00	TJK626F000	\$1535.00	TJK626T250	\$1221.00	TCAL43 <sup>2</sup>	\$14.00	(1) 6-600 or (2) 2/0-250 Cu/Al	
300	900	3000	TJK626300WL	\$2812.00	THJK626300WL	\$3704.00			TJK626T300	\$1221.00				
350	1050	3500	TJK626350WL	\$2812.00	THJK626350WL	\$3704.00	Standard		TJK626T350	\$1221.00				
400	1200	4000	TJK626400WL	\$2812.00	THJK626400WL	\$3704.00	Frame		TJK626T400	\$1221.00				
450	1350	4500	TJK626450WL	\$2848.00	THJK626450WL	\$3740.00	THJK626F000		TJK626T450	\$1221.00	TCAL63	\$23.00	(2) 4/0-350 Cu or (2) 300-500 Al	
500	1500	5000	TJK626500WL	\$2848.00	THJK626500WL	\$3740.00	Hi-Break	\$2427.00	TJK626T500	\$1221.00				
600	1800	6000	TJK626600WL	\$2848.00	THJK626600WL	\$3740.00	Frame		TJK626T600	\$1221.00				
<b>600A Frame—Three-Pole</b>														
250	750	2500	TJK636250WL	\$3539.00	THJK636250WL	\$4457.00	TJK636F000	\$2234.00	TJK636T250	\$1221.00	TCAL43 <sup>2</sup>	\$14.00	(1) 6-600 or (2) 2/0-250 Cu/Al	
300	900	3000	TJK636300WL	\$3539.00	THJK636300WL	\$4457.00			TJK636T300	\$1221.00				
350	1050	3500	TJK636350WL	\$3539.00	THJK636350WL	\$4457.00	Standard		TJK636T350	\$1221.00				
400	1200	4000	TJK636400WL	\$3539.00	THJK636400WL	\$4457.00	Frame		TJK636T400	\$1221.00				
450	1350	4500	TJK636450WL	\$3593.00	THJK636450WL	\$4511.00	THJK636F000		TJK636T450	\$1221.00	TCAL63	\$23.00	(2) 4/0-350 Cu or (2) 300-500 Al	
500	1500	5000	TJK636500WL	\$3593.00	THJK636500WL	\$4511.00	Hi-Break	\$3152.00	TJK636T500	\$1221.00				
600	1800	6000	TJK636600WL	\$3593.00	THJK636600WL	\$4511.00	Frame		TJK636T600	\$1221.00				
600	6000	2000	—	—	—	—			TJK636TM1600 <sup>3</sup>	\$1465.00				
Mag Only	1800	6000	—	—	—	—			TJK636TM2600 <sup>3</sup>	\$1465.00				

<sup>1</sup>For optional lugs, see page 3-117.

<sup>2</sup>Alternate lug for 750 kcmil Cu/Al cable, Product Number TCAL47 List Price \$26.00, GO-135LG.

<sup>3</sup>Not UL listed.

Accessories: See pages 3-40 to 3-46 and 3-108 to 3-120.

### J600 Reference Publications

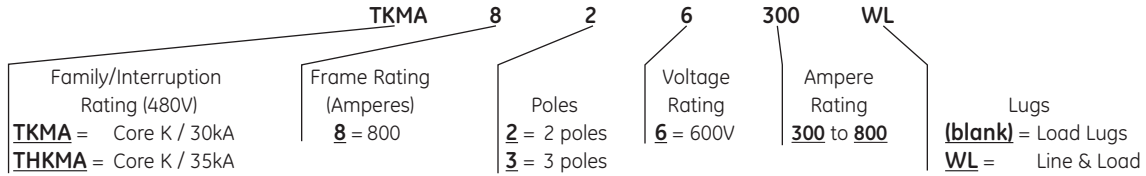
Mechanical Interlock	GEH-3033
Trip Unit	GEH-3035
Bell Alarm	GEH-3320
Auxiliary Switch	GEH-3321
Three Coil Shunt Trip	GEH-3346
Shunt Trip	GEH-3435
TDR Operating Mechanism	GEH-3450
Plug-in Mounting Base	GEH-4342
Motor Operator	GEH-4676
TDM Operating Mechanism	GEH-5023
STDA Flange Handle	GEH-5314
STDA Operating Mechanism	GEH-5318
Undervoltage Release	GEH-5407
J600 Outline Drawing	455C564SH1



# Molded Case Circuit Breakers Industrial Circuit Breakers

300-1200A Circuit Breakers  
Thermal-Magnetic Trip  
K1200 Line Circuit Breakers  
Types TKM, THKM

### Product Number Structure



Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

### Types TKM, THKM – Interchangeable Trip, includes Cu/Al Line and Load Lugs, not suitable for reverse feed

Complete Circuit Breaker Includes Line and Load Lugs										Terminal Lugs for Front Connection (Cu/Al) <sup>1</sup>			
Adjustable Instantaneous Trip Ampere Range			Standard Product Number	List Price GO-135LG	Hi-Break <sup>1</sup> Product Number	List Price GO-135LG	Frame Only Product Number	List Price GO-135LG	Trip Unit Only. Use with Standard and Hi-Break Frames	List Price GO-135LG	Product Number (Order 2 List Price per pole Wire Size)		
Ampere Rating	Low	High									GO-135LG	GO-135LG	GO-135LG
<b>800A Frame—Two-Pole</b>													
300	900	3000	TKMA826300WL	\$3672.00	THKMA826300WL	\$4579.00	TKM826F000 Standard Frame	\$1244.00	TKMA836T300	\$2268.00	TCAL61	\$40.00	(2) 2/0-500 Cu/Al
350	1050	3500	TKMA826350WL	\$3672.00	THKMA826350WL	\$4579.00			TKMA836T350	\$2268.00			
400	1200	4000	TKMA826400WL	\$3672.00	THKMA826400WL	\$4579.00			TKMA836T400	\$2268.00			
450	1350	4500	TKMA826450WL	\$3672.00	THKMA826450WL	\$4579.00			TKMA836T450	\$2268.00			
500	1500	5000	TKMA826500WL	\$3672.00	THKMA826500WL	\$4579.00			TKMA836T500	\$2268.00			
600	1800	6000	TKMA826600WL	\$3672.00	THKMA826600WL	\$4579.00			TKMA836T600	\$2268.00			
700	2100	6400	TKMA826700WL	\$3700.00	THKMA826700WL	\$4611.00	THKM826F000 Hi-Break Frame	\$2167.00	TKMA836T700	\$2268.00	TCAL81	\$47.00 <sup>2</sup>	(3) 3/0-500 Cu/Al
800	2400	6400	TKMA826800WL	\$3700.00	THKMA826800WL	\$4611.00			TKMA836T800	\$2268.00			
<b>800A Frame—Three-Pole</b>													
300	900	3000	TKMA836300WL	\$4713.00	THKMA836300WL	\$5624.00	TKM836F000 Standard Frame	\$2205.00	TKMA836T300	\$2268.00	TCAL61	\$40.00	(2) 2/0-500 Cu/Al
350	1050	3500	TKMA836350WL	\$4713.00	THKMA836350WL	\$5624.00			TKMA836T350	\$2268.00			
400	1200	4000	TKMA836400WL	\$4713.00	THKMA836400WL	\$5624.00			TKMA836T400	\$2268.00			
450	1350	4500	TKMA836450WL	\$4713.00	THKMA836450WL	\$5624.00			TKMA836T450	\$2268.00			
500	1500	5000	TKMA836500WL	\$4713.00	THKMA836500WL	\$5624.00			TKMA836T500	\$2268.00			
600	1800	6000	TKMA836600WL	\$4713.00	THKMA836600WL	\$5624.00			TKMA836T600	\$2268.00			
700	2100	6400	TKMA836700WL	\$4755.00	THKMA836700WL	\$5666.00	THKM836F000 Hi-Break Frame	\$3116.00	TKMA836T700	\$2268.00	TCAL81	\$47.00 <sup>4</sup>	(3) 3/0-500 Cu/Al
800	2400	6400	TKMA836800WL	\$4755.00	THKMA836800WL	\$5666.00			TKMA836T800	\$2268.00			
Mag Only	2400	8000	—	—	—	—			TKMA836TM48 <sup>3</sup>	\$2268.00			
									TKMA836TM68 <sup>3</sup>	\$2268.00			

<sup>1</sup>For optional lugs, see page 3-117.

<sup>2</sup>Not UL listed.

<sup>3</sup>Internal accessory installation requires dummy trip unit. See page 3-46 for additional details. Nonautomatic trip unit and dummy trip unit not UL listed for field installation.

<sup>4</sup>GO-135S.

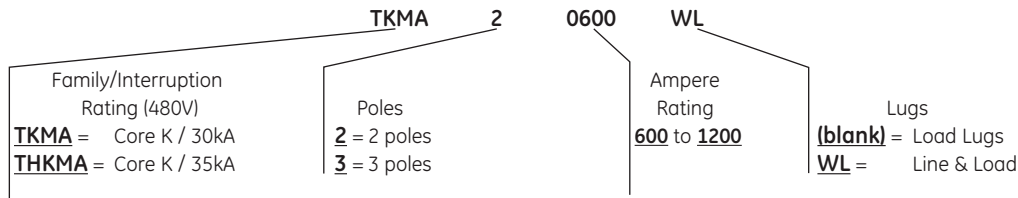


# Molded Case Circuit Breakers Industrial Circuit Breakers

## Section 3

300-1200A Circuit Breakers  
Thermal-Magnetic Trip  
K1200 Line Circuit Breakers  
Types TKM, THKM

### Product Number Structure



Note: This information is provided for interpreting product numbers (it should not be used to build product numbers).

### Types TKM, THKM – Interchangeable Trip, includes Cu/Al Line and Load Lugs, not suitable for reverse feed

Complete Circuit Breaker Includes Line and Load Lugs						Terminal Lugs for Front Connection (Cu/Al) <sup>1</sup>							
Adjustable Instantaneous Trip Ampere Range			Standard Product Number	List Price GO-135LG	Hi-Break <sup>1</sup> Product Number	List Price GO-135LG	Frame Only Product Number	List Price GO-135LG	Trip Unit Only. Use with Standard and Hi-Break Frames	List Price GO-135LG	Product Number (Order 2 per pole)		
Ampere Rating	Low	High									List Price GO-135S	List Price GO-135S	Wire Size
<b>1200A Frame—Two-Pole</b>													
600	1800	6000	TKMA20600WL	\$5172.00	THKMA20600WL	\$6069.00	TKM2F Standard Frame	\$2690.00	TKMA3T0600	\$2294.00	TCAL81	\$47.00	(3) 3/0-500 Cu/Al
700	2100	6400	TKMA20700WL	\$5172.00	THKMA20700WL	\$6069.00			TKMA3T0700	\$2294.00			
800	2400	6400	TKMA20800WL	\$5172.00	THKMA20800WL	\$6069.00	THKM2F Hi-Break Frame	\$3587.00	TKMA3T0800	\$2294.00	TCAL121	\$76.00	(4) 250-350 <sup>4</sup> Cu or (4) 300-500 Al
1000	3000	10000	TKMA21000WL <sup>2</sup>	\$5472.00	THKMA21000WL <sup>2</sup>	\$6353.00			TKMA3T1000 <sup>3</sup>	\$2478.00			
1200	3600	10000	TKMA21200WL <sup>2</sup>	\$7471.00	THKMA21200WL <sup>2</sup>	\$8368.00			TKMA3T1200 <sup>3</sup>	\$4477.00			
<b>1200A Frame—Three-Pole</b>													
600	1800	6000	TKMA30600WL	\$5885.00	THKMA30600WL	\$6795.00	TKM3F Standard Frame	\$3309.00	TKMA3T0600	\$2294.00	TCAL81	\$47.00	(3) 3/0-500 Cu/Al
700	2100	6400	TKMA30700WL	\$5885.00	THKMA30700WL	\$6795.00			TKMA3T0700	\$2294.00			
800	2400	6400	TKMA30800WL	\$5885.00	THKMA30800WL	\$6795.00	THKM3F Hi-Break Frame	\$4219.00	TKMA3T0800	\$2294.00	TCAL121	\$76.00	(4) 250-350 <sup>4</sup> Cu or (4) 300-500 Al
1000	3000	10000	TKMA31000WL <sup>3</sup>	\$6243.00	THKMA31000WL <sup>3</sup>	\$7153.00			TKMA3T1000 <sup>3</sup>	\$2478.00			
1200	3600	10000	TKMA31200WL <sup>3</sup>	\$8242.00	THKMA31200WL <sup>3</sup>	\$9152.00			TKMA3T1200 <sup>3</sup>	\$4477.00			
Mag	1800	6000	—	—	—	—	THKM3F Hi-Break Frame	\$4219.00	TKMA3TM512 <sup>2</sup>	\$4477.00	TCAL121	\$76.00	(4) 250-350 <sup>4</sup> Cu or (4) 300-500 Al
Only	2400	8000	—	—	—	—			TKMA3TM612 <sup>2</sup>	\$4477.00			

<sup>1</sup>For optional lugs, see page 3-117.

<sup>2</sup>Not UL listed.

<sup>3</sup>Not Suitable for use on dc systems.

<sup>4</sup>Suitable for 500 kcmil Cu for voltage drop considerations.

Accessories: See pages 3-40 to 3-46 and 3-108 to 3-120.

### K1200 Reference Publications

Mechanical Interlock	GEH-2980
Trip Unit	GEH-2993
TDR Operating Mechanism	GEH-3000
Auxiliary Switch	GEH-3321
Shunt Trip	GEH-3344
Three Coil Shunt Trip	GEH-3346
Bell Alarm	GEH-4305
TDM Operating Mechanism	GEH-4314
Plug-in Mounting Base	GEH-4342
Motor Operator	GEH-4675
STDA Flange Handle	GEH-5314
STDA Operating Mechanism	GEH-5319
Undervoltage Release	GEH-5408
Back Connected Studs	GEJ-3616
Padlocking Device - Standard	GEJ-4636
K1200 Outline Drawing	455C840SH1

