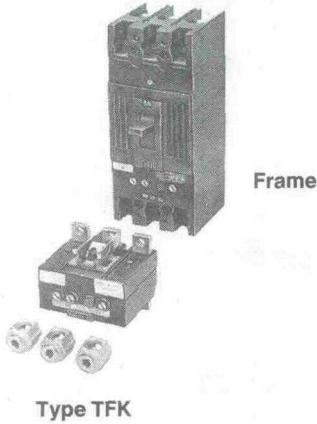




# F225 Line Circuit Breakers

70-250 Amperes-TFJ Noninterchangeable Trip  
70-225A TFK, THFK Interchangeable Trip  
480 or 600 volts AC  
250 Volts DC

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



## Type TFJ—Noninterchangeable Trip

Includes line and load lugs. Suitable for reverse feed.

Ampere Rating	Adjustable Trip Range Amp		Complete Breaker 480 Vac Max.		Complete Breaker 600 Vac Max.		Copper/Aluminum Lugs	Wire Size		
	Lo	Hi	Catalog Number	List Price, GO-135B	Catalog Number	List Price, GO-135B				
<b>Two-Pole</b>				<b>Three-Pole</b>						
70	600	900	TFJ224070WL	\$1122.00	TFJ236070WL	\$1407.00	TCAL24	#4-300 kcmil		
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				
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			Ⓢ	Ⓢ
225NA	—	—	TFJ226Y225 ① ② ⑤	803.00	TFJ236Y225 ① ②	1174.00			TCAL24	—

## Types TFK, THFK—Interchangeable Trip

Ampere Rating	Adjustable Trip Range Amp		Complete Circuit Breaker Includes Line and Load Lugs				Trip Unit Only		Frame Only		Terminal Lugs for Front Connection (Copper/Aluminum) ④		
	Lo	Hi	Standard		Hi-Break*		Use with Standard and Hi-Break Frames	List Price, GO-135B	Catalog Number	List Price, GO-135B	Catalog Number (Order 1 line and 1 load per pole)	List Price, GO-135B	Wire Size
			Catalog Number	List Price, GO-135B	Catalog Number	List Price, GO-135B							

### Two-Pole, 480 Volts AC Max., 250 Volts DC Max.

70	600	900	TFK224070WL	\$1122.00	THFK224070WL	\$2315.00	TFK226T070	\$337.00	TFK224F000 Standard Frame	\$753.00	TCAL24	\$8.00	#4-300 kcmil
80	700	1000	TFK224080WL	1122.00	THFK224080WL	2315.00	TFK226T080	337.00					
90	600	900	TFK224090WL	1122.00	THFK224090WL	2315.00	TFK226T090	337.00					
100	600	1250	TFK224100WL	1122.00	THFK224100WL	2315.00	TFK226T100	337.00					
110	660	1250	TFK224110WL	1122.00	THFK224110WL	2315.00	TFK226T110	337.00					
125	600	1250	TFK224125WL	1122.00	THFK224125WL	2315.00	TFK226T125	337.00					
150	700	1500	TFK224150WL	1122.00	THFK224150WL	2315.00	TFK226T150	337.00					
175	800	1750	TFK224175WL	1122.00	THFK224175WL	2315.00	TFK226T175	337.00					
200	900	2000	TFK224200WL	1122.00	THFK224200WL	2315.00	TFK226T200	337.00					
225	1000	2250	TFK224225WL	1122.00	THFK224225WL	2315.00	TFK226T225	337.00					
225NA	—	—	TFK226Y225 ① ② ⑤	937.00	—	—	TFKY2 ②	148.00					

### Three-Pole, 600 Volts AC Max., 250 Volts DC Max.

70	600	900	TFK236070WL	1407.00	THFK236070WL	2787.00	TFK236T070	445.00	TFK236F000 Standard Frame	914.00	TCAL24	8.00	#4-300 kcmil
80	700	1000	TFK236080WL	1407.00	THFK236080WL	2787.00	TFK236T080	445.00					
90	600	900	TFK236090WL	1407.00	THFK236090WL	2787.00	TFK236T090	445.00					
100	600	1250	TFK236100WL	1407.00	THFK236100WL	2787.00	TFK236T100	445.00					
110	660	1250	TFK236110WL	1407.00	THFK236110WL	2787.00	TFK236T110	445.00					
125	600	1250	TFK236125WL	1407.00	THFK236125WL	2787.00	TFK236T125	445.00					
150	700	1500	TFK236150WL	1407.00	THFK236150WL	2787.00	TFK236T150	445.00					
175	800	1750	TFK236175WL	1407.00	THFK236175WL	2787.00	TFK236T175	445.00					
200	900	2000	TFK236200WL	1407.00	THFK236200WL	2787.00	TFK236T200	445.00					
225	1000	2250	TFK236225WL	1407.00	THFK236225WL	2787.00	TFK236T225	445.00					
225A Mag Only	600	1400	—	—	—	—	TFK236TM1225 ③	555.00					
	1000	2250	—	—	—	—	TFK236TM2225 ③	555.00					
225NA	—	—	TFK236Y225 ① ②	1174.00	—	—	TFKY3 ②	208.00					

① Molded-case switch. Complete switch includes line and load lugs. UL listed only when ordered as a complete switch.

② Internal accessory installation requires dummy trip unit. See page 16-23 for additional details.

③ Not UL listed.

④ For optional lugs, see page 16-32.

⑤ 600 volts maximum.

⑥ TC024 load end. Wire range #4-300 kcmil copper only.

**Accessories:** See pages 16-19 to 16-32.



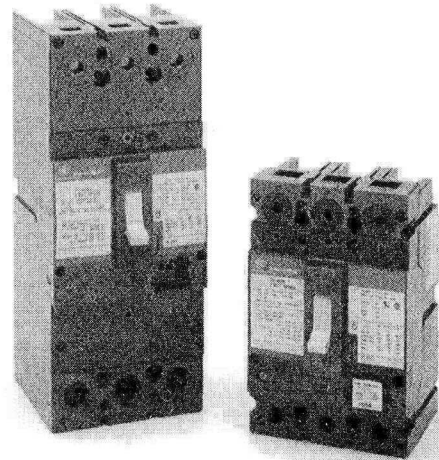
## Spectra RMS™ Molded Case Circuit Breakers

### Features

SE150, SF250, SG600, and SK1200 circuit breaker frames have a digital, solid state, rms sensing trip system with field installable, front-mounted rating plugs to establish or change the breaker ampere rating. Adjustable instantaneous with tracking short-time is standard on all frames including SE150.

A complete circuit breaker consists of a UL listed circuit breaker frame and a rating plug (UL listed interchangeable trip unit). Terminal lugs for cable connection are available if required.

- All frames use the same UL listed, **field-installable internal accessories** (auxiliary switch, shunt trip, undervoltage release, and bell alarm).
- All frame sizes have maximum UL listed interrupting ratings of 200 kA @ 240 volts ac and 100 kA @ 480 volts ac with 600 volts ac ratings to 65 kA depending on frame size. UL listed current limiting versions are provided through the SG600 frame for the 65 kA @ 480 volts ac and the 100 kA @ 480 volts ac models, with no increase in physical frame size.
- Spectra RMS Mag-Break® instantaneous-only motor circuit protectors also use the same digital, solid-state trip unit and rating plugs as the circuit breakers. The interchangeable rating plug establishes the instantaneous pickup range (with tracking short-time) but does not change the frame ampere rating.
- Spectra RMS molded case switches have a fixed, high-set instantaneous trip (without tracking short-time function) and have short circuit withstand ratings equal to their equivalent breaker frame size interrupting rating in most cases.
- Spectra RMS breakers are ambient insensitive. Trip times will not vary over the range 10-50°C breaker ambient. Refer to GET-7002 for further application information.
- Spectra RMS breakers contain no parts that would support fungus growth and are, therefore, inherently fungusproof.



Fusible Switches .....	16-2
Nonfusible Switches .....	16-2
Type FD1 Fusible Disconnect Switches .....	16-3, 16-4
DILoS Nonfusible Disconnect Switches .....	16-5, 16-6
Molded Case Circuit Breakers .....	16-7 to 16-18
Accessories and Modifications .....	16-19 to 16-32
V-Line™ Miniature Circuit Breakers .....	16-33 to 16-36

### Other MCCB Features

- Broad product line to meet virtually any application need.
- Reduced downtime. A tripped breaker is easily spotted and can be immediately reset after the fault has been corrected.
- Eliminates single phasing. A common trip bar disconnects all poles simultaneously on both overloads and short circuits.
- Offers application flexibility through the use of a wide variety of accessory devices and special attachments.
- Repetitive operation—no fuses to replace.
- Breakers can be repetitively tested. Fuses must be destroyed to confirm calibration accuracy.

For more information on GE Disconnects and Circuit Breakers, see Publication Index, Section 18.