

VL Molded Case Circuit Breakers

FG 250A Frame, VL Series

Selection/Dimensions

Ordering Information

Complete Assembled Breaker

Prices for a complete factory assembled FG breaker include the frame, trip unit, and standard line and load connectors, all factory installed and shipped as a complete breaker. Assembled breakers are available only with standard connectors.

For any other configuration, order the frame, trip unit, and terminals as separate items.

For DC applications, use thermal magnetic trip unit only.

For reverse feed applications, select non-interchangeable trip breakers only. For non-interchangeable trip breakers, change the third digit of the catalog number to "X" for standard breakers.

For special applications, refer to page 17/62.^A

Mounting hardware is included with each frame or complete breaker.

For 100% rated breakers with a non-interchangeable trip unit, change the 3rd character of the catalog number to "Y". Available with ETU only.



Dimensions, inches (mm)

Number of Poles	Width	Length	Depth	To Handle D1
2, 3	4.1 (105)	6.9 (175)	3.4 (81)	4.2 (107)

Interrupting Ratings

Breaker Type	RMS Symmetrical Amperes (KA)										
	UL 489					IEC 60947-2					
	Volts AC (50/60 Hz)			Volts DC		Volts AC (50/60 Hz)					
	240	480	600	250	500	220/240		380/415		690	
					I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}	
NFG	65	35	18	30	18	65	65	40	40	12	6
HFG	100	65	20	30	25	100	75	70	70	12	6
LFG	200	100	25	30	30	200	150	100	75	12	6

Shipping Weight, lbs. (kg)

Poles	Frame	Trip Unit		Complete Breaker
		Thermal-Mag.	Electronic	
2, 3	4.0 (1.8)	2.2 (1.0)	2.6 (1.2)	6.2 (2.8)

Connectors for 75°C Wire

Construction	Ampere Rating	Wire Range	No. of cables per connector	Catalog Number	List Price \$
Steel	50-250	#4-350 kcmil Cu	1	3TW1FG350 ^②	
Aluminum ^①	50-250	#4-350 kcmil Al/Cu	1	3TAW1FG350 ^②	
Copper	50-250	#4-350 kcmil Cu	1	3TCW1FG350 ^②	
Distribution Lugs					
	50-250	#12-2/0 Cu	3	3TA3FG20 ^②	
	50-250	#14-#4 Cu	6	3TA6FG04 ^②	

^① Standard connector supplied with complete breakers.

^② Kit consists of 3 terminal connectors.

^③ 2 Lugs for 2-pole breakers.

^④ 3 Lugs for 3-pole breakers.

FG Thermal-Magnetic, Instantaneous Trip Adjustment Range

Trip Unit Continuous Amp Rating (I _n)	Instantaneous Overcurrent Setting (I _t)	
	Min.	Max.
100	625	1250
110	800	1600
125	800	1600
150	800	1600
175	1000	2000
200	1000	2000
225	1250	2500
250	1250	2500

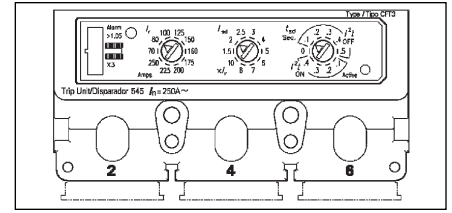
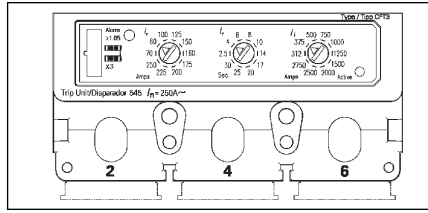
Note: Each breaker has 6 trip settings in this range.

External Accessories pages 17/43 to 17/57

VL Molded Case Circuit Breakers

FG 250A Electronic 3-Knob & LCD Trip Units

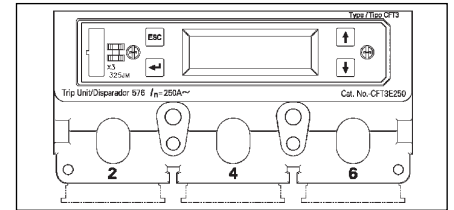
Selection



Model 545 Trip Units

FG 250A Frame 3-Pole Electronic Trip Unit^①

Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class		L-Interrupting Class		Catalog Number	List Price \$
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$		
	FRAME ONLY							
	NFG3F250		HFG3F250		LFG3F250			
	COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER							
	ELECTRONIC LI TRIP							
100	NFG3N100L		HFG3N100L		LFG3N100L		CFT3N100	
150	NFG3N150L		HFG3N150L		LFG3N150L		CFT3N150	
250	NFG3N250L		HFG3N250L		LFG3N250L		CFT3N250	
	ELECTRONIC LSI TRIP							
100	NFG3P100L		HFG3P100L		LFG3P100L		CFT3P100	
150	NFG3P150L		HFG3P150L		LFG3P150L		CFT3P150	
250	NFG3P250L		HFG3P250L		LFG3P250L		CFT3P250	
	ELECTRONIC LSIG TRIP							
100	NFG3U100L		HFG3U100L		LFG3U100L		CFT3U100	
150	NFG3U150L		HFG3U150L		LFG3U150L		CFT3U150	
250	NFG3U250L		HFG3U250L		LFG3U250L		CFT3U250	
	ELECTRONIC LIG TRIP							
100	NFG3X100L		HFG3X100L		LFG3X100L		CFT3X100	
150	NFG3X150L		HFG3X150L		LFG3X150L		CFT3X150	
250	NFG3X250L		HFG3X250L		LFG3X250L		CFT3X250	



Model 576 Trip Unit

FG 250A Frame 3-Pole Electronic LCD Trip Unit^①

Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class		L-Interrupting Class		Catalog Number	List Price \$
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$		
	FRAME ONLY							
	NFG3F250		HFG3F250		LFG3F250			
	COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER							
	LCD ELECTRONIC LSI TRIP							
100	NFG3D100L		HFG3D100L		LFG3D100L		CFT3D100	
150	NFG3D150L		HFG3D150L		LFG3D150L		CFT3D150	
250	NFG3D250L		HFG3D250L		LFG3D250L		CFT3D250	
	LCD ELECTRONIC LSIG TRIP							
100	NFG3E100L		HFG3E100L		LFG3E100L		CFT3E100	
150	NFG3E150L		HFG3E150L		LFG3E150L		CFT3E150	
250	NFG3E250L		HFG3E250L		LFG3E250L		CFT3E250	

① Mag-Latch included, see page 17/58.