

VL Molded Case Circuit Breakers

MG 800A Frame, VL Series

Selection/Dimensions

Ordering Information

Complete Assembled Breaker

Prices for a complete factory assembled MG breaker include the frame, trip unit, and standard line and load lugs, 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.

100% Rated: For 100% rated breakers (or frames) with an interchangeable trip unit, change the 3rd character of the catalog name to "H".

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

For 50°C and special applications, refer to page 17/62.^A

Mounting hardware is included with each frame or complete breaker.



Dimensions, inches (mm)

Number of Poles	Width	Length	Depth	To Handle D1
2, 3	7.5 (190)	16 (406)	4.5 (114)	5.9 (151)

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}	
NMG	65	35	25	22	35	65	65	50	50	20	10
HMG	100	65	35	25	50	100	75	70	70	30	15
LMG	200	100	50	42	65	200	150	100	75	35	17

Shipping Weight, lbs. (kg)

Poles	Frame	Trip Unit	Complete Breaker
2, 3	31.3 (14.2)	4.0 (1.8)	35.3 (16.0)

Connectors for 75°C Wire

Construction	Ampere Rating	Wire Range	No. of cables per connector	Catalog Number	List Price \$
Aluminum ^①	200-800A	1/0-500 kcmil Al/Cu	3	3TA3MG500 ^②	
Aluminum	200-800A	500-750 kcmil Al/Cu	2	3TA2MG750 ^②	
Copper	200-800A	1/0-500 kcmil Cu	3	TC3MG500 ^{③④}	
Aluminum	200-800A	#2-600 kcmil Al/Cu	3	3TA3MG600 ^{②④}	

① Total of 9 connectors (3 per phase Line or Load).

② Kit consists of 3 terminal connectors.

③ Standard connector supplied with complete breakers.

④ Includes extended terminal cover.

⑤ Consists of one terminal.

⑥ For 100% rated applications.

MG Thermal-Magnetic, Instantaneous Trip Adjustment Range

Trip Unit Continuous Amp Rating (I_n)	Instantaneous Overcurrent Setting (I_t)	
	Min.	Max.
600	3000	6000
700	3250	6500
800	3250	6500

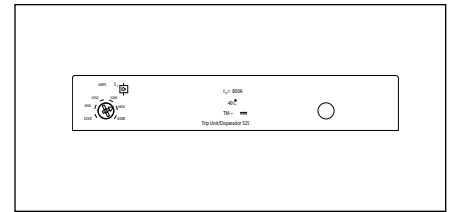
Note: Each breaker has 6 trip settings.

External Accessories pages 17/43 to 17/57

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MG 800A Thermal-Magnetic Trip Unit

Selection



Model 525 Trip Unit

MG 800A Frame 2-Pole with Thermal-Magnetic Trip Unit

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							
	NMG2F800		HMG2F800		LMG2F800			
COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER								
600	NMG2B600L		HMG2B600L		LMG2B600L		CMT2B600	
700	NMG2B700L		HMG2B700L		LMG2B700L		CMT2B700	
800	NMG2B800L		HMG2B800L		LMG2B800L		CMT2B800	

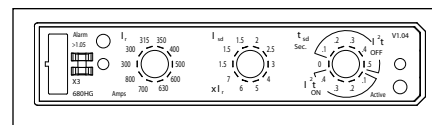
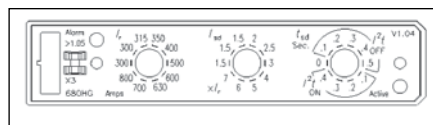
MG 800A Frame 3-Pole with Thermal-Magnetic Trip Unit

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							
	NMG3F800		HMG3F800		LMG3F800			
COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER								
600	NMG3B600L		HMG3B600L		LMG3B600L		CMT3B600	
700	NMG3B700L		HMG3B700L		LMG3B700L		CMT3B700	
800	NMG3B800L		HMG3B800L		LMG3B800L		CMT3B800	

VL Molded Case Circuit Breakers

MG 800A Electronic 3-Knob & LCD Trip Units

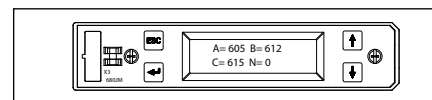
Selection



Model 545 Trip Units

MG 800A Frame 3-Pole Electronic Trip Unit

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							
	NMG3F800		HMG3F800		LMG3F800			
	COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER							
ELECTRONIC LI TRIP								
600	NMG3N600L		HMG3N600L		LMG3N600L		CMT3N600	
800	NMG3N800L		HMG3N800L		LMG3N800L		CMT3N800	
ELECTRONIC LSI TRIP								
600	NMG3P600L		HMG3P600L		LMG3P600L		CMT3P600	
800	NMG3P800L		HMG3P800L		LMG3P800L		CMT3P800	
ELECTRONIC LSIG TRIP								
600	NMG3U600L		HMG3U600L		LMG3U600L		CMT3U600	
800	NMG3U800L		HMG3U800L		LMG3U800L		CMT3U800	
ELECTRONIC LIG TRIP								
600	NMG3X600L		HMG3X600L		LMG3X600L		CMT3X600	
800	NMG3X800L		HMG3X800L		LMG3X800L		CMT3X800	



Model 576 Trip Unit

MG 800A Frame 3-Pole Electronic LCD Trip Unit

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							
	NMG3F800		HMG3F800		LMG3F800			
	COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER							
LCD ELECTRONIC LSI TRIP								
600	NMG3D600L		HMG3D600L		LMG3D600L		CMT3D600	
800	NMG3D800L		HMG3D800L		LMG3D800L		CMT3D800	
LCD ELECTRONIC LSIG TRIP								
600	NMG3E600L		HMG3E600L		LMG3E600L		CMT3E600	
800	NMG3E800L		HMG3E800L		LMG3E800L		CMT3E800	

A - Consult with Siemens for availability.