

Molded Case Circuit Breakers

SELECTION

EG 125A Frame

EG 125A Frame 3-pole Thermal-Magnetic Circuit Breaker

Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class	
	Catalog Number	List Price \$	Catalog Number	List Price \$
15	NEG3B015L		HEG3B015L	
20	NEG3B020L		HEG3B020L	
25	NEG3B025L		HEG3B025L	
30	NEG3B030L		HEG3B030L	
35	NEG3B035L		HEG3B035L	
40	NEG3B040L		HEG3B040L	
50	NEG3B050L		HEG3B050L	
60	NEG3B060L		HEG3B060L	
70	NEG3B070L		HEG3B070L	
80	NEG3B080L		HEG3B080L	
90	NEG3B090L		HEG3B090L	
100	NEG3B100L		HEG3B100L	
110	NEG3B110L		HEG3B110L	
125	NEG3B125L		HEG3B125L	

EG 125A Frame 4-pole Thermal-Magnetic Circuit Breaker

Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class	
	Catalog Number	List Price \$	Catalog Number	List Price \$
15	NEG4B015L		HEG4B015L	
20	NEG4B020L		HEG4B020L	
25	NEG4B025L		HEG4B025L	
30	NEG4B030L		HEG4B030L	
35	NEG4B035L		HEG4B035L	
40	NEG4B040L		HEG4B040L	
50	NEG4B050L		HEG4B050L	
60	NEG4B060L		HEG4B060L	
70	NEG4B070L		HEG4B070L	
80	NEG4B080L		HEG4B080L	
90	NEG4B090L		HEG4B090L	
100	NEG4B100L		HEG4B100L	
110	NEG4B110L		HEG4B110L	
125	NEG4B125L		HEG4B125L	

EG 125A Frame Molded Case Switch – (Magnetic Trip Only)

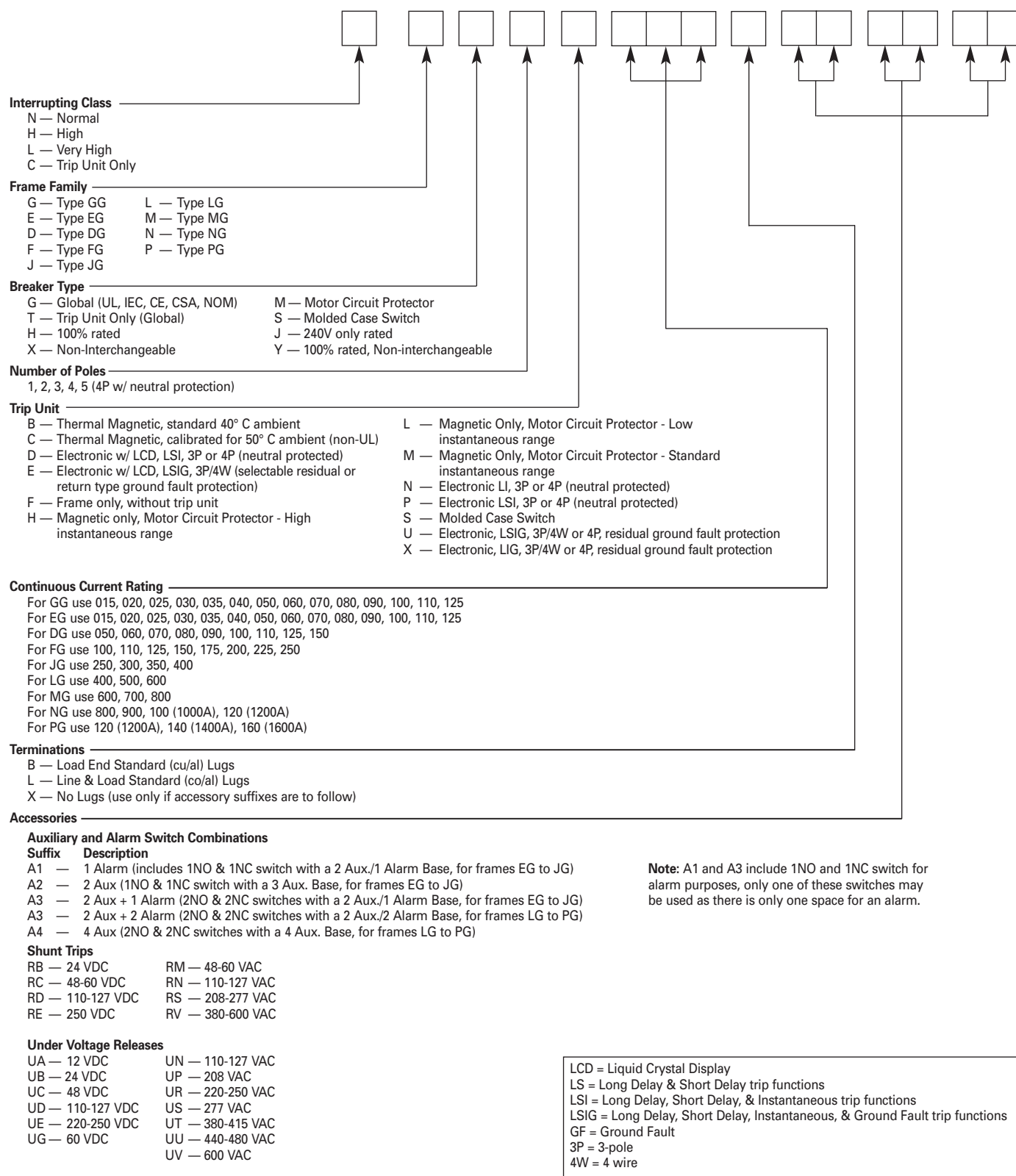
Continuous Ampere Rating	Catalog Number	List Price \$
3-Pole 100 125 160	HES3S100L	
	HES3S125L	
	HES3S160L	
4-Pole 125	HES4S125L	

EG 125A Frame 3-Pole Motor Circuit Protector

Continuous Ampere Rating	Catalog Number	List Price \$
3	HEM3M003L	
7	HEM3M007L	
15	HEM3M015L	
30	HEM3M030L	
50	HEM3M050L	
70	HEM3M070L	
100	HEM3M100L	
125	HEM3M125L	

External Accessories pages 11-1 through 11-15

Catalog Numbering System



Molded Case Circuit Breakers

SELECTION / APPLICATION

Reference Guide

Breaker Frame Family				GG	EG		DG			FG			JG		
	Continuous Amps			15–125A	15–125A		30–150A			40–250A			70–400A		
	Poles			1, 2, 3	1, 2, 3, 4		2, 3, 4			2, 3, 4			2, 3, 4		
	Max. Volts AC			600Y/347V	600Y/347V		600V			600V			600V		
Breaker Type				NGG	NEG	HEG	NDG	HDG	LDG	NFG	HFG	LFG	NJG	HJG	LJG
Ratings	Interrupting Class			N	N	H	N	H	L	N	H	L	N	H	L
	Interrupting Rating RMS	UL	240Vac	65	85	100	65	100	200	65	100	200	65	100	200
			480Vac	25	35	65	35	65	100	35	65	100	35	65	100
			600Vac	14 (600Y/347)	22	25	18	20	25	18	20	25	25	25	25
	Symmetrical Amperes AC 50/60Hz	I _{CS} /I _{CU}	220/240Vac	65/33	85/43	100/50	65/65	100/75	200/150	65/65	100/75	200/150	65/65	100/75	200/150
			380/415Vac	25/12.5	40/30	70/35	40/40	70/70	100/75	40/40	70/70	100/75	45/45	70/70	100/75
			690Vac	—	—	—	12/6	12/6	12/6	12/6	12/6	12/6	12/6	15/8	15/8
	DC Interrupting Ratings (UL)		250Vdc (2-Pole)	14	35	42	30	30	30	30	30	30	30	30	30
			500Vdc (3-Pole)	—	—	—	18	18	18	18	18	30	25	35	35
			600Vdc (3-Pole)	—	—	—	#	#	#	#	#	#	#	#	#
750Vdc (4-Pole)			—	—	—	#	#	#	#	#	#	#	#	#	
Dimensions in Inches	1-Pole			5.1H x 1W x 2.8D	5.5H x 1W x 3D		—						—		
	2-Pole			5.1H x 2W x 2.8D	5.5H x 2W x 3D		6.9H x 4.1W x 3.4D						11H x 5.5W x 4.2D		
	3-Pole			5.1H x 3W x 2.8D	5.5H x 3W x 3D		6.9H x 4.1W x 3.4D						11H x 5.5W x 4.2D		
	4-Pole			—	5.5H x 4W x 3D		6.9H x 5.5W x 3.4D						11H x 7.2W x 4.2D		
Trip Unit Information	Thermal-Magnetic			◆	◆		◆			◆			◆		
	Electronic						◆			◆			◆		
	Electronic with LCD						◆			◆			◆		
	Interchangeable Trip Unit						◆			◆			◆		
	Reverse Feed (w/Non-Interchangeable Trip)			◆	◆		◆			◆			◆		
	Communications Capability*						◆			◆			◆		
Specific Application Breakers	Molded Case Switch				◆		◆			◆			◆		
	Motor Circuit Protector				◆		◆			◆			◆		
	100% Rated												◆		
	50°C Calibrated ^A				◆		◆			◆			◆		
Accessories & Modifications	Auxiliary Switch			◆	◆		◆			◆			◆		
	Alarm Switch			◆	◆		◆			◆			◆		
	Shunt Trip			◆	◆		◆			◆			◆		
	Undervoltage Release				◆		◆			◆			◆		
	Mechanical Interlocks				◆		◆			◆			◆		
	Electric Motor or Stored Energy Operator				◆		◆			◆			◆		
	Rear Connecting Studs				◆		◆			◆			◆		
	Plug-In Mounting Assy. w/Trip Interlock				◆		◆			◆			◆		
	Draw-Out Assembly						◆			◆			◆		
	Handle Mechanism Options			◆	◆		◆			◆			◆		
Enclosures ^A	Fungus Proofing				◆										
	NEMA 1 – Indoor, Surface Mount			◆						◆			◆		
	NEMA 1 – Indoor, Flush Mount			◆						◆			◆		
	NEMA 3R – Outdoor, Rain Proof			◆						◆			◆		
	NEMA 4, 4X – Stainless Steel									◆			◆		
	NEMA 7, 9 – Hazardous Locations									◆			◆		
	NEMA 12 – Dust			◆						◆			◆		
	Terminal Shields			◆			◆			◆			◆		
	Distribution Lugs			◆	◆		◆			◆			◆		
	Ground Sensor (Neutral Transformer)						◆			◆			◆		
Page				8-1	8-3		8-6			8-11			8-16		

① 500Vdc nominal, 600Vdc max. for ungrounded DC UPS systems.

* - Communications available via a COM 10 module using Profibus protocol.

- Consult Siemens for these applications.

GG and EG are not VL family breakers and do not share common VL accessories.

A - Consult Siemens for availability.

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EG 125A Frame

Ordering Information

Prices for EG breakers include the complete breaker with standard line and load side lugs.

All EG breakers are suitable for reverse feed applications.

Mounting hardware is included.

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	600Y/347	125/250	220/240		380/415		690	
NEG	85	35	22	35	I _{CU}	I _{CS}	I _{CU}	I _{CS}	I _{CU}	I _{CS}
HEG	100	65	25	42	100	50	70	35	6	3



EG 125A Frame 1-pole Thermal-Magnetic Circuit Breaker

Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class	
	Catalog Number	List Price \$	Catalog Number	List Price \$
15	NEG1B015L		HEG1B015L	
20	NEG1B020L		HEG1B020L	
25	NEG1B025L		HEG1B025L	
30	NEG1B030L		HEG1B030L	
35	NEG1B035L		HEG1B035L	
40	NEG1B040L		HEG1B040L	
50	NEG1B050L		HEG1B050L	
60	NEG1B060L		HEG1B060L	
70	NEG1B070L		HEG1B070L	
80	NEG1B080L		HEG1B080L	
90	NEG1B090L		HEG1B090L	
100	NEG1B100L		HEG1B100L	
110	NEG1B110L		HEG1B110L	
125	NEG1B125L		HEG1B125L	

Dimensions, inches(mm)

Number of Poles	Width	Length	Depth	To Handle D1
1	1 (25.4)			
2	2 (50.8)			
3	3 (76.2)	5.5 (140)	2.9 (75)	3.6 (90)
4	4 (101.6)			

Approx. Shipping Weight, lbs.(kg)

Poles	Complete Breaker
1	1.4 (0.5)
2	2.4 (0.9)
3	3.7 (1.4)
4	4.8 (1.8)

EG 125A Frame 2-pole Thermal-Magnetic Circuit Breaker

Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class	
	Catalog Number	List Price \$	Catalog Number	List Price \$
15	NEG2B015L		HEG2B015L	
20	NEG2B020L		HEG2B020L	
25	NEG2B025L		HEG2B025L	
30	NEG2B030L		HEG2B030L	
35	NEG2B035L		HEG2B035L	
40	NEG2B040L		HEG2B040L	
50	NEG2B050L		HEG2B050L	
60	NEG2B060L		HEG2B060L	
70	NEG2B070L		HEG2B070L	
80	NEG2B080L		HEG2B080L	
90	NEG2B090L		HEG2B090L	
100	NEG2B100L		HEG2B100L	
110	NEG2B110L		HEG2B110L	
125	NEG2B125L		HEG2B125L	

Connectors for 75°C Wire

Amp Rating	Wire Range	Catalog Number	List Price \$
15-125	#14-3/0 Cu	3TW1EG30 ^①	
	#14-1/0 Cu/Al	3TA1EG10	
	#6-3/0 Cu/Al	3TA1EG30	

These kits include 3 connectors.

① Standard connector included with each breaker.

External Accessories pages 11-1 through 11-15