

VL Molded Case Circuit Breakers

DG 150A Frame, VL Series

Selection

Ordering Information

Complete Assembled Breaker

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

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

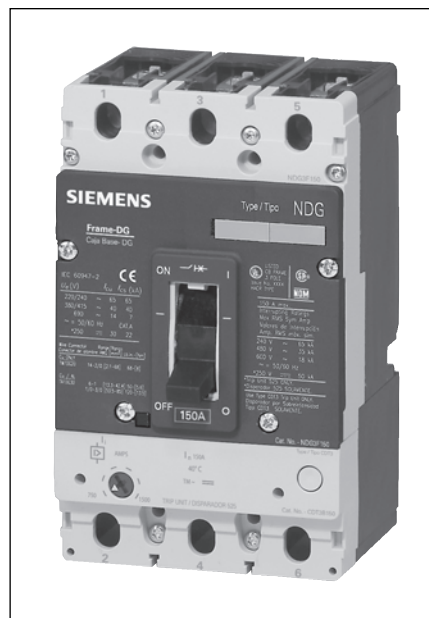
For DC applications, use thermal magnetic trip unit only.

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".



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}	
NDG	65	35	18	30	18	65	65	40	40	12	6
HDG	100	65	20	30	18	100	75	70	70	12	6
LDG	200	100	25	30	18	200	150	100	75	12	6

Connectors for 75°C Wire

Construction	Ampere Rating	Wire Range	No. of cables per connector	Catalog Number	List Price \$
Steel	30-150	#8-1/0 Cu	1	3TW1DG20 ^②	
Aluminum ^①	30-150	#6-3/0 Al/Cu	1	3TA1DG30 ^②	
Copper ^②	30-150	#6-3/0 Cu	1	3TC1DG30 ^②	
Distribution Lugs					
	30-150	#14-#2 Cu (3pcs. Max)	3	3TA3DG02 ^②	
	30-150	#14-#4 Cu	6	3TA6DG04 ^②	
Compression Lugs					
	30-150	#14-2/0 kcmil Al/Cu	-	2CLD20 ^③	
	30-150	#14-2/0 kcmil Al/Cu	-	3CLD20 ^④	

- 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.

DG Thermal-Magnetic, Instantaneous Trip Adjustment Range

Trip Unit Continuous Amp Rating (I _n)	Instantaneous Overcurrent Setting (I _i)	
	Min.	Max.
50	450	700
60	450	700
70	450	700
80	450	800
90	500	1000
100	500	1000
110	550	1100
125	625	1250
150	800	1600

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

A - Consult with Siemens for availability.

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)

Approx. Shipping Weight, lbs. (kg)

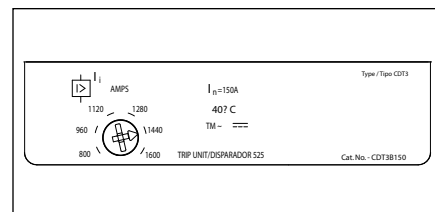
Poles	Frame	Trip Unit		Complete Breaker
		Thermal-Mag.	Electronic	
2, 3	3.7 (1.7)	2.2 (1.0)	2.6 (1.2)	5.9 (2.7)

External Accessories pages 17/43 to 17/57

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DG 150A Thermal-Magnetic Trip Unit

Selection



Model 525 Trip Unit

DG 150A 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								TRIP UNIT ONLY	
	COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER								TRIP UNIT ONLY	
	NDG2F150		HDG2F150		LDG2F150					
50	NDG2B050L		HDG2B050L		LDG2B050L		CDT2B050			
60	NDG2B060L		HDG2B060L		LDG2B060L		CDT2B060			
70	NDG2B070L		HDG2B070L		LDG2B070L		CDT2B070			
80	NDG2B080L		HDG2B080L		LDG2B080L		CDT2B080			
90	NDG2B090L		HDG2B090L		LDG2B090L		CDT2B090			
100	NDG2B100L		HDG2B100L		LDG2B100L		CDT2B100			
110	NDG2B110L		HDG2B110L		LDG2B110L		CDT2B110			
125	NDG2B125L		HDG2B125L		LDG2B125L		CDT2B125			
150	NDG2B150L		HDG2B150L		LDG2B150L		CDT2B150			

DG 150A Frame 3-Pole with Thermal-Magnetic Trip Unit

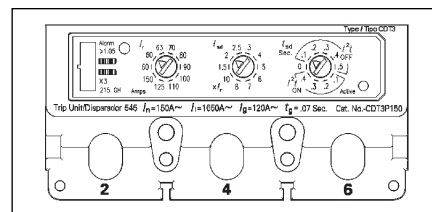
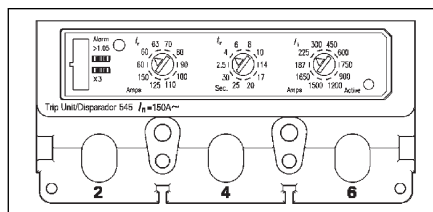
Continuous Ampere Rating	N-Interrupting Class		H-Interrupting Class		L-Interrupting Class		Catalog Number	List Price \$		
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$				
	FRAME ONLY								TRIP UNIT ONLY	
	COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER								TRIP UNIT ONLY	
	NDG3F150		HDG3F150		LDG3F150					
50	NDG3B050L		HDG3B050L		LDG3B050L		CDT3B050			
60	NDG3B060L		HDG3B060L		LDG3B060L		CDT3B060			
70	NDG3B070L		HDG3B070L		LDG3B070L		CDT3B070			
80	NDG3B080L		HDG3B080L		LDG3B080L		CDT3B080			
90	NDG3B090L		HDG3B090L		LDG3B090L		CDT3B090			
100	NDG3B100L		HDG3B100L		LDG3B100L		CDT3B100			
110	NDG3B110L		HDG3B110L		LDG3B110L		CDT3B110			
125	NDG3B125L		HDG3B125L		LDG3B125L		CDT3B125			
150	NDG3B150L		HDG3B150L		LDG3B150L		CDT3B150			

A - Consult with Siemens for availability.

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DG 150A Electronic 3-Knob & LCD Trip Unit

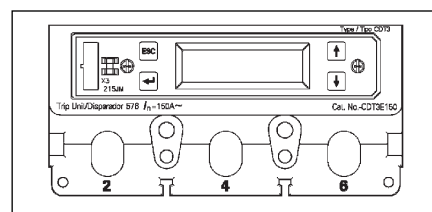
Selection



Model 545 Trip Units

DG 150A 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							
	NDG3F150		HDG3F150		LDG3F150		COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER	
	ELECTRONIC LI TRIP						TRIP UNIT ONLY	
60	NDG3N060L		HDG3N060L		LDG3N060L		CDT3N060	
100	NDG3N100L		HDG3N100L		LDG3N100L		CDT3N100	
150	NDG3N150L		HDG3N150L		LDG3N150L		CDT3N150	
	ELECTRONIC LSI TRIP							
60	NDG3P060L		HDG3P060L		LDG3P060L		CDT3P060	
100	NDG3P100L		HDG3P100L		LDG3P100L		CDT3P100	
150	NDG3P150L		HDG3P150L		LDG3P150L		CDT3P150	
	ELECTRONIC LSIG TRIP							
60	NDG3U060L		HDG3U060L		LDG3U060L		CDT3U060	
100	NDG3U100L		HDG3U100L		LDG3U100L		CDT3U100	
150	NDG3U150L		HDG3U150L		LDG3U150L		CDT3U150	
	ELECTRONIC LIG TRIP							
60	NDG3X060L		HDG3X060L		LDG3X060L		CDT3X060	
100	NDG3X100L		HDG3X100L		LDG3X100L		CDT3X100	
150	NDG3X150L		HDG3X150L		LDG3X150L		CDT3X150	



Model 576 Trip Unit

DG 150A 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							
	NDG3F150		HDG3F150		LDG3F150		COMPLETE FACTORY ASSEMBLED CIRCUIT BREAKER	
	LCD ELECTRONIC LSI TRIP							
60	NDG3D060L		HDG3D060L		LDG3D060L		CDT3D060	
100	NDG3D100L		HDG3D100L		LDG3D100L		CDT3D100	
150	NDG3D150L		HDG3D150L		LDG3D150L		CDT3D150	
	LCD ELECTRONIC LSIG TRIP							
60	NDG3E060L		HDG3E060L		LDG3E060L		CDT3E060	
100	NDG3E100L		HDG3E100L		LDG3E100L		CDT3E100	
150	NDG3E150L		HDG3E150L		LDG3E150L		CDT3E150	

① Mag-Latch included, see page 17/58.