

Molded Case Circuit Breakers

Reference Guide

Selection/Application

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Breaker Frame Family				DG			FG			JG		
	Continuous Amps			30–150A			40–250A			70–400A		
	Poles			2, 3			2, 3			2, 3		
	Max. Volts AC			600Y/347V			600Y/347V			600V		
Breaker Type				NDGA	HDGA	LDGA	NFGA	HFGA	LFGA	NJGA	HJGA	LJGA
Ratings	Interrupting Class			N	H	L	N	H	L	N	H	L
	Interrupting Rating RMS Symmetrical Amperes AC 50/60Hz	CSA/UL	240Vac	65	100	200	65	100	200	65	100	200
			480Vac	35	65	100	35	65	100	35	65	100
			600Vac	18	18	18	18	18	18	25	25	25
			220/240Vac	65/65	100/75	200/150	65/65	100/75	200/150	65/65	100/75	200/150
		I _c /I _{cs}	380/415Vac	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)	30	30	30	30	30	30	30	30	30
		500Vdc (3-Pole) ^①	18	18	18	18	18	30	25	35	35	
Dimensions in Inches	1-Pole			—						—		
	2-Pole			6.9H x 4.1W x 3.4D						11H x 5.5W x 4.2D		
	3-Pole			6.9H x 4.1W x 3.4D						11H x 5.5W x 4.2D		
	4-Pole			—						—		
Trip Unit Information	Thermal-Magnetic			◆			◆			◆		
	Electronic			◆			◆			◆		
	Electronic with LCD			◆			◆			◆		
	Interchangeable Trip Unit			—			—			◆		
	Reverse Feed (w/Non-Interchangeable Trip)			◆			◆			◆		
	Communications Capability ^③			◆			◆			◆		
Specific Application Breakers	Molded Case Switch			◆			◆			◆		
	Motor Circuit Protector			◆			◆			◆		
	100% Rated			◆						◆		
	50°C Calibrated ^④											
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			◆			◆			◆		
	Terminal Shields			◆			◆			◆		
	Distribution Lugs			◆			◆			◆		
	Ground Sensor (Neutral Transformer)			◆			◆			◆		

- ① 500Vdc nominal, for ungrounded DC UPS systems.
- ② DC Interrupting Ratings are not applicable to electronic circuit breakers.
- ③ Communications available via a COMPRO or COMMOD modules using Profibus or Modbus protocols.
- ④ Consult Siemens for availability.
- ⑤ Special version, see page 5-124.
- GG are not VL family breakers and do not share common VL accessories.
- ⑦ 304 and 316 Stainless Steel