

J-Frame 310+ molded-case circuit breaker 20–250A



Product description

- The Series G® J-Frame is NEMA®, UL®, and CSA® rated
- Zone selective interlocking and Arcflash Reduction Maintenance System™ can now be enabled on the J-Frame
- The 310+ electronic trip unit eliminates the need for rating plugs and is compatible with the cause of trip display and cause of trip LED

Table 1. Frame Trip Ratings

Frame	Interrupting Capacity (kAIC)	Ampere Rating
JGE	35	20–50 ①
JGS	50	40–100 ②
JGH	65	63–160 ③
JGC	100	100–250 ④
JGU	150	
JGX	200	

- ① 50A frame.
 ② 100A frame.
 ③ 160A frame.
 ④ 250A frame.

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Table 2. JGE, JGS, JGH, JGC, JGU, and JGX Rating and Ampere Range

Specification		Description					
Breaker type		JGE	JGS	JGH	JGC	JGU	JGX
Short-Circuit Current Ratings (kA rms) AC 50–60 Hz							
NEMA UL 489	240 Vac	65	85	100	200	200	300
	480 Vac	35	50	65	100	150	200
	600 Vac	18	25	35	35	50	50
Number of poles		2, 3, 4	2, 3, 4	2, 3, 4	3, 4	3, 4	3, 4
Adjustable long-time pickup CSA 22.2 No. 5	50		A = 20 E = 32	B = 20 F = 40	C = 25 G = 45	D = 30 H = 50	
	100		A = 40 E = 70	B = 45 F = 80	C = 50 G = 90	D = 63 H = 100	
	160		A = 63 E = 110	B = 80 F = 125	C = 90 G = 150	D = 100 H = 160	
	250		A = 100 E = 175	B = 125 F = 200	C = 150 G = 225	D = 160 H = 250	
Electronic rms		LS, LSI, LSG, LSIG					
Dimensions in inches (mm)	Two/three-pole	H	W	D			
		7.00 (177.8)	4.13 (104.9)	3.57 (90.7)			
	Four-pole	H	W	D			
		7.00 (177.8)	5.34 (135.6)	3.57 (90.7)			
Weight (approximate) lbs (kg)		Two/three-pole	Four-pole				
		11.4 (5.2)	15.3 (6.9)				

Table 3. Line and Load Terminals

Maximum Breaker Amperes	Terminal Body Material	Wire Type	AWG Wire Range/ No. of Conductors	Metric Wire Range (mm ²)	Catalog Number
Standard Copper/Aluminum Pressure Terminals					
250	Aluminum	Cu/Al	4–35 kcmil	25–185	TA250FJ
250	Stainless steel	Cu	4–35 kcmil	25–185	T250FJ ①

① Standard line and load terminals.



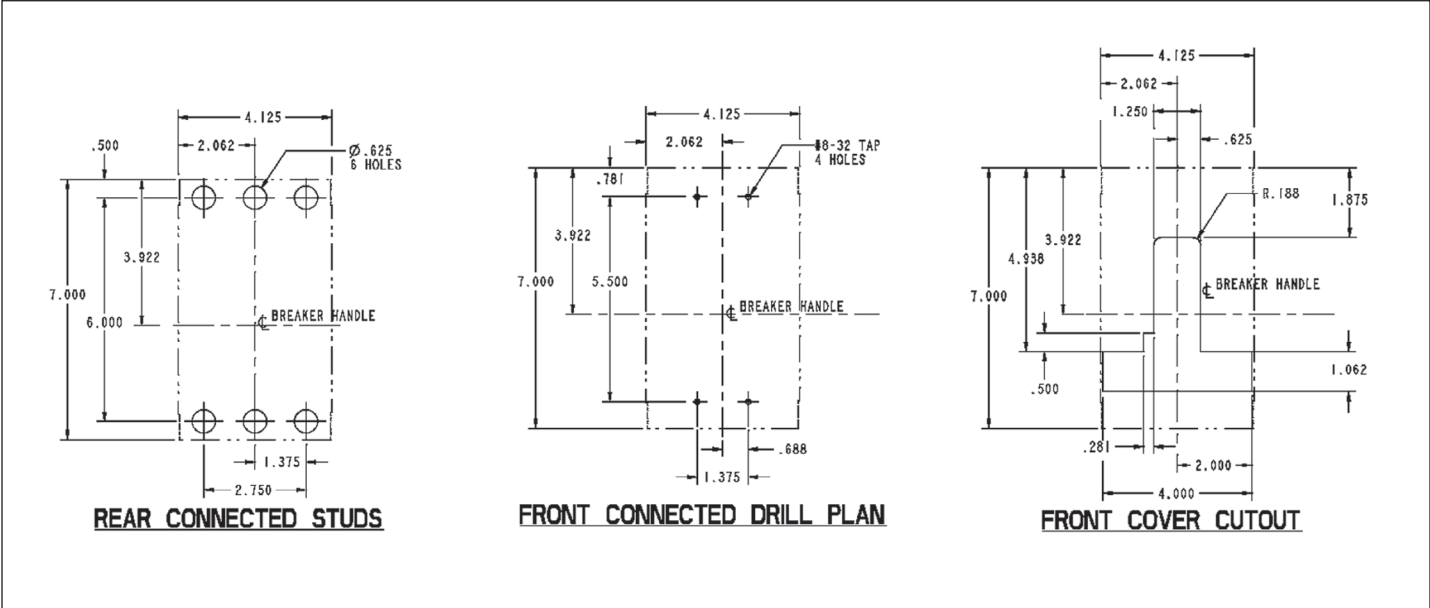


Figure 2. Type JG 310+ Three-Pole Breakers

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