

Molded Case Circuit Breakers

Reference Guide

Selection/Application

Thermal-Magnetic Trip Breakers

			General Purpose Breakers											
			FD6A, FXD6A	HFD6, HFXD6	HHFD6, HHFXD6	CFD6	JXD2-A	JD6-A, JXD6-A	HJD6-A, HJXD6-A	HHJD6-A, HHJXD6-A	CJD6			
Ratings	AC	Poles	2, 3	2, 3	2, 3	3	2, 3	2, 3	2, 3	2, 3	3			
		Amperes, Continuous	70-250	70-250	70-250	70-250	200-400	200-400	200-400	200-400	200-400			
		Volts 50/60HZ	2-Pole 3-Pole	600	600	600	600	240	600	600	600	600		
		Interrupt Rating Symmetrical RMS Amperes	UL	240V	65,000	100,000	200,000	200,000	65,000	65,000	100,000	200,000	200,000	
				480V	35,000	65,000	100,000	200,000	—	35,000	65,000	100,000	150,000	
				600V	22,000	25,000	25,000	100,000	—	25,000	35,000	50,000	100,000	
			IEC60947-2 50/60HZ	220/240V	lcu	65,000	100,000	—	—	—	65,000	100,000	—	—
					lcs	33,000	50,000	—	—	—	33,000	50,000	—	—
				380/415V	lcu	35,000	65,000	—	—	—	40,000	65,000	—	—
		500V	lcs	18,000	33,000	—	—	—	20,000	33,000	—	—		
	lcu		—	—	—	—	—	—	—	—	—			
	DC	2-Pole 250V DC Interrupting Ratings		30,000	30,000	—	50,000	30,000	30,000	30,000	—	50,000		
3-Pole, 500V DC Interrupting Ratings [Ⓞ]		18,000	25,000	—	50,000	—	25,000	35,000	—	50,000				
Dimensions in inches	Height		9.50	9.50	14.12	14.12	11.00	11.00	11.00	11.00	17.86			
	Width	2-Pole	4.50	4.50	4.50	4.50	7.50	7.50	7.50	7.50	7.50			
		3-Pole	4.50	4.50	4.50	4.50	7.50	7.50	7.50	7.50	7.50			
Depth		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00				
Overcurrent Devices	Thermal and Fixed Magnetic Trip		—	—	—	—	—	—	—	—	—			
	Thermal and Adjustable Magnetic Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Adjustable Magnetic Trip Only Motor Circuit Protector		✓	—	—	✓	—	—	✓	✓	—			
	Molded Case Switch		✓	—	—	✓	✓	✓	—	—	✓			
	Undervoltage Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Shunt Trip		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Auxiliary Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Alarm Switch		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Mechanical Interlock		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Rear Connection Studs		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Electric Motor Operator		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Plug-In Mounting Assembly		✓	✓	✓	✓	✓	✓	✓	✓	✓			
Fungus Proofing (ref. page 7-91)		✓	✓	✓	✓	—	✓	✓	✓	✓				
Individual Enclosures	Type 1 — Indoor Surface		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Type 1 — Indoor, Flush		—	✓	—	✓	—	—	—	—	—			
	Type 3R — Outdoor-Rainproof		✓	✓	✓	✓	✓	✓	✓	✓	—			
	Type 7 — Flammable Gas Atmosphere		✓	✓	✓	—	✓	✓	✓	✓	—			
	Type 9 — Combustion Dusttight		✓	✓	✓	—	✓	✓	✓	✓	—			
	Type 5, 12 — Lint, Fine Dust, Oils, Coolants		✓	✓	✓	✓	✓	✓	✓	✓	✓			
Type 12K — Semi-Dusttight		✓	✓	✓	✓	—	✓	✓	✓	—				

For inches / millimeters conversion, see Application Data section.

Ⓞ For DC UPS application.