

Molded Case Circuit Breakers

Reference Guide

Selection/Application

Thermal-Magnetic Trip Breakers

				General Purpose Breakers									
				HGG	LGG	ED2	ED4	ED6	HED4	CED6			
Page				5-41	5-41	5-43	5-43	5-43	5-44	5-44			
		Poles		1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	1 ^② , 2, 3	1, 2, 3	2, 3			
Ratings	AC	Amperes, Continuous		15–125	15–125	15–100	15–125	15–125 ^②	15–125	15–125			
		Volts 50/60HZ		1-Pole	347	347	120	277	347	277	—		
				2-Pole			240	480	600	480	600		
				3-Pole	600/347	600/347							
		Interrupt Rating Symmetrical RMS Amperes		CSA/UL	120V	—	—	10,000	—	—	100,000	—	
					240V	85,000	100,000	10,000	65,000	65,000	100,000 ^③	200,000	
					277V	—	—	—	22,000 ^①	—	65,000 ^②	—	
					347V	—	—	—	—	30,000	—	—	
					480V	35,000	65,000	—	18,000	25,000	42,000	200,000	
					600V	22,000 ^⑥	25,000 ^⑥	—	—	18,000	—	100,000	
					220/240V	lcu	—	—	—	—	65,000	—	—
						lcs	—	—	—	—	17,000	—	—
		IEC 947-2 50/60HZ	380/415V	lcu	—	—	—	—	35,000	—	—		
				lcs	—	—	—	—	9,000	—	—		
			500V	lcu	—	—	—	—	18,000	—	—		
				lcs	—	—	—	—	5,000	—	—		
		DC	2-Pole, 250V DC Interrupting Ratings			35,000	42,000	5,000	30,000	30,000	30,000	30,000	
	3-Pole, 500V DC Interrupting Ratings ^⑧			—	—	—	—	18,000	—	50,000			
	Dimensions in inches	Height		1-Pole	5.40 1.00	5.40 1.00	6.34 1.00	6.34 1.00	6.34 1.00	6.34 1.00	9.26 —		
Width		2-Pole	2.00	2.00	2.00	2.00	2.00	2.00	2.00				
		3-Pole	3.00	3.00	3.00	3.00	3.00	3.00	3.00				
		4-Pole	4.00	4.00	—	—	—	—	—				
Depth			2.90	2.90	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			—	—	✓	✓	✓	—	✓			
Accessories & Modifications	Undervoltage Trip			—	—	✓	✓	✓	✓	✓			
	Shunt Trip			✓	✓	✓	✓	✓	✓	✓			
	Auxiliary Switch			✓	✓	✓	✓	✓	✓	✓			
	Alarm Switch			✓	✓	✓	✓	✓	✓	✓			
	Mechanical Interlock			—	—	—	—	—	—	—			
	Rear Connection Studs			—	—	✓	✓	✓	✓	✓			
	Electric Motor Operator			—	—	✓	✓	✓	✓	✓			
	Plug-In Mounting Assembly (3 Pole Only)			—	—	✓	✓	✓	✓	✓			
Individual Enclosures	Fungus Proofing (ref. page 5-89)			✓	✓	✓	✓	✓	✓	✓			
	Type 1 — Indoor Surface			✓	✓	✓	✓	✓	✓	✓			
	Type 1 — Indoor, Flush			✓	✓	✓	✓	✓	✓	✓			
	Type 3R — Outdoor-Rainproof			✓	✓	✓	✓	✓	✓	✓			
	Type 12 — Lint, Fine Dust, Oils, Coolants			—	—	✓	✓	✓	✓	✓			

For inches / millimeters conversion, see Technical section.

① 1-pole only.

② 35-100A: 25,000 AIR at 277V AC/15-30A; 65,000 AIR at 277V AC.

③ For DC UPS system application.

④ Single pole ED6 (15-30A) 30kA, (35-100A) 18 kA. CSA Only.

⑤ Single pole HED4, 15-30A: 65,000 AIR at 240V AC; single pole HED4, 35-100A: 25,000 AIR at 240V AC.

⑥ HGG and LGG breakers are rated at 600/347V.

⑦ ED6, 2-pole available 15-125 amps only.



ED62B020



HED41B040