

# Panelboards

Power and Distribution

Selection

## Branch Breaker Selection<sup>①</sup>

Breaker Frame Rating	Trip Type	Breaker Family	Frame Type	Poles	Trip Amperage	Unit Space Requirements in Inches		Maximum Interruption Rating (KAIC) Volts AC								
						Single	Twin	120	240	480V/277	480	600V/347	600			
100	Thermal Magnetic	General Application	BL	1, 2, 3	15-60, 70, 80, 90, 100	—	3.75 <sup>②③</sup>	10,000	10,000	—	—	—	—	—		
			BLR	2	15, 20, 30, 40, 50, 60, 70, 80, 90, 100	—	3.75 <sup>②③</sup>	10,000	10,000	—	—	—	—	—		
			BLH	1, 2, 3	15-60, 70, 80, 90, 100	—	3.75 <sup>②③</sup>	22,000	22,000	—	—	—	—	—		
			HBL	1, 2, 3	15-60, 70, 80, 90, 100	—	3.75 <sup>②③</sup>	65,000	65,000	—	—	—	—	—		
			BQD	1, 2, 3	15-50, 60, 70, 80, 90, 100	—	3.75 <sup>②③</sup>	65,000	65,000	14,000	—	—	—	—		
			BQD6	1, 2, 3	15-50, 60, 70	—	3.75 <sup>②③</sup>	65,000	65,000	—	—	10,000	—	—		
	Special Application Ground Fault Circuit Interrupter		BL-HID	1, 2	15, 20, 30	—	3.75 <sup>②③</sup>	10,000	10,000	—	—	—	—	—		
			BL-BG	2, 3	15, 20, 30	—	3.75 <sup>②③</sup>	10,000	10,000	—	—	—	—	—		
			BLE-GFCI	1, 2	15, 20, 30, 40, 50, 60	—	3.75 <sup>②</sup>	10,000	10,000	—	—	—	—	—		
			BLEH-GFCI	1, 2	15, 20, 30, 40, 50, 60	—	3.75 <sup>②</sup>	10,000	10,000	—	—	—	—	—		
			BLF-GFCI	1, 2	15, 20, 30, 40, 50, 60	—	3.75 <sup>②</sup>	10,000	10,000	—	—	—	—	—		
			BLHF-GFCI	1, 2	15, 20, 30, 40, 50, 60	—	3.75 <sup>②</sup>	10,000	10,000	—	—	—	—	—		
			BAF-AFCI	1, 2	15, 20	—	3.75 <sup>②</sup>	10,000	10,000	—	—	—	—	—		
			BAFH-AFCI	1, 2	15, 20	—	3.75 <sup>②</sup>	10,000	10,000	—	—	—	—	—		
125	Thermal Magnetic	General Application	NGB	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	25,000	—	14,000	—			
			HGB	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	35,000	—	14,000	—			
			LGB	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	65,000	—	14,000	—			
			NGB2	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	—	25,000	14,000	—			
			HGB2	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	—	35,000	22,000	—			
			LGB2	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	—	65,000	25,000	—			
			NEB	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	85,000	—	35,000	22,000	—			
			HEB	1, 2, 3	15-60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	—	65,000	25,000	—			
			ED4	1, 2, 3	15-50, 60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	65,000	—	18,000	—	—			
			HED4 <sup>④⑤</sup>	1, 2, 3	15-50, 60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	—	42,000	—	—			
			HHED6	1, 2, 3	15-50, 60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	100,000	—	65,000	—	18,000			
			CED6	2, 3	15-50, 60, 70, 80, 90, 100, 110, 125	—	3.75 <sup>②③</sup>	—	200,000	—	200,000	—	100,000			
			150	Electronic (Solid state)	VL	ND	3	60, 100, 150	—	5.00	—	65,000	—	35,000	—	18,000
						HD	3	60, 100, 150	—	5.00	—	100,000	—	65,000	—	20,000
LD	3	60, 100, 150				—	5.00	—	200,000	—	100,000	—	25,000			
225	Thermal Magnetic	General Application	QJ2	2, 3	60-110, 125, 150, 175, 200, 225	—	5.00	—	10,000	—	—	—	—			
			QJH2	2, 3	60-110, 125, 150, 175, 200, 225	—	5.00	—	22,000	—	—	—	—			
			QJ2H	2, 3	60-110, 125, 150, 175, 200, 225	—	5.00	—	42,000	—	—	—	—			
			QR2	2, 3	100, 110, 125, 150, 175, 200, 225	—	5.00	—	10,000	—	—	—	—			
			QRH2	2, 3	100, 110, 125, 150, 175, 200, 225	—	5.00	—	25,000	—	—	—	—			
			QHR2	2, 3	100, 110, 125, 150, 175, 200, 225	—	5.00	—	65,000	—	—	—	—			
			QHR2H	2, 3	100, 110, 125, 150, 175, 200, 225	—	5.00	—	100,000	—	—	—	—			
			250	Thermal Magnetic	Sentron	FXD6, FD6	2, 3	70-110, 125, 150, 175, 200, 225, 250	5.00	5.00	—	65,000	—	35,000	—	22,000
HFXD6, HFD6	2, 3	70-110, 125, 150, 175, 200, 225, 250				5.00	5.00	—	100,000	—	65,000	—	25,000			
HHFXD6, HHFD6	2, 3	70-110, 125, 150, 175, 200, 225, 250				5.00	5.00	—	200,000	—	100,000	—	25,000			
Electronic (Solid state)	CFD6	3		70-110, 125, 150, 175, 200, 225, 250		—	5.00	—	200,000	—	200,000	—	100,000			
	NF	3		100, 150, 250		5.00	5.00	—	65,000	—	35,000	—	18,000			
	HF	3		100, 150, 250		5.00	5.00	—	100,000	—	65,000	—	20,000			
400	Thermal Magnetic	Sentron	JXD6, JD6	2, 3	200, 225, 250, 300, 350, 400	8.75	—	—	65,000	—	35,000	—	25,000			
			HJXD6, HJD6	2, 3	200, 225, 250, 300, 350, 400	8.75	—	—	100,000	—	65,000	—	35,000			
			HHJXD6, HHJD6	2, 3	200, 225, 250, 300, 350, 400	8.75	—	—	200,000	—	100,000	—	50,000			
			CJD6	3	200, 225, 250, 300, 350, 400	8.75	—	—	200,000	—	150,000	—	100,000			
	Electronic (Solid state)		VL	NJ	3	250, 400	6.25	—	—	65,000	—	35,000	—	25,000		
				HJ	3	250, 400	6.25	—	—	100,000	—	65,000	—	25,000		
		LJ		3	250, 400	6.25	—	—	200,000	—	100,000	—	25,000			
		Sentron	SJD6	3	200, 300, 400	8.75	—	—	65,000	—	35,000	—	25,000			
			SHJD6	3	200, 300, 400	8.75	—	—	100,000	—	65,000	—	35,000			
			SCJD6	3	200, 300, 400	8.75	—	—	200,000	—	150,000	—	100,000			
600	Thermal Magnetic	Sentron	LXD6	2, 3	450, 500, 600	8.75	—	—	65,000	—	35,000	—	25,000			
			LD6	2, 3	250, 300, 350, 400, 450, 500, 600	8.75	—	—	65,000	—	35,000	—	25,000			
			HXXD6, HXD6	2, 3	250, 300, 350, 400, 450, 500, 600	8.75	—	—	100,000	—	65,000	—	35,000			
			HHXXD6, HHXD6	2, 3	250, 300, 350, 400, 450, 500, 600	8.75	—	—	200,000	—	100,000	—	50,000			
			CLD6	3	250, 300, 350, 400, 450, 500, 600	8.75	—	—	200,000	—	150,000	—	100,000			
			NL	3	400, 600	6.25	—	—	65,000	—	35,000	—	25,000			
	Electronic (Solid state)	VL	HL	3	400, 600	6.25	—	—	100,000	—	65,000	—	25,000			
			LL	3	400, 600	6.25	—	—	200,000	—	100,000	—	25,000			
			SLD6	3	300, 400, 500, 600	8.75	—	—	65,000	—	35,000	—	25,000			
		Sentron	SHLD6	3	300, 400, 500, 600	8.75	—	—	100,000	—	65,000	—	35,000			
			SCLD6	3	300, 400, 500, 600	8.75	—	—	200,000	—	150,000	—	100,000			
			800	Thermal Magnetic	VL	NM	2, 3	600, 700, 800	8.75	—	—	65,000	—	35,000	—	25,000
HM	2, 3	600, 700, 800				8.75	—	—	100,000	—	65,000	—	35,000			
LM	2, 3	600, 700, 800				8.75	—	—	200,000	—	100,000	—	50,000			
NM	3	600, 800				8.75	—	—	65,000	—	35,000	—	25,000			
Electronic (Solid state)	HM	3		600, 800		8.75	—	—	100,000	—	65,000	—	35,000			
	LM	3		600, 800		8.75	—	—	200,000	—	100,000	—	50,000			

① Space price covers cost of housing frame plate with blank cover plate. Provision price includes all necessary mounting hardware, less circuit breaker, and includes housing frame cover plate with breaker handle opening.

② 1 to 6 poles may be mounted in 3.75" of unit space.  
③ Accessories such as shunt trips on three pole breakers require 6.25" of unit space.

④ HED4 1-pole 15-30A = 65,000 IR  
35-100A = 25,000 IR  
⑤ HED 4 3-Pole=42,000 IR