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## Molded Case Circuit Breaker

Series connected short circuit ratings

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## Siemens Molded Case Circuit Breakers

### Series connected short circuit ratings

The term “Series Connected Short Circuit Rating” refers to the application of series circuit breakers in a combination that allows downstream breakers to have lower individual interrupting ratings than the available fault current. This is permitted as long as the series combination has been tested and certified by UL. The Tables on these pages list specific main and branch breaker combinations that may be used for the short circuit interrupting ratings shown. No substitutions are permitted. All combinations shown have been tested and are UL Recognized. This information is provided as a reference tool only.

The interrupting rating of a circuit breaker is 5,000 rms symmetrical amperes and for a fused switch 10,000 rms symmetrical amperes, or as marked on the device, except for the series combination ratings shown on the following pages. Note: A load side circuit breaker may be a branch, submain, an integral main, or a remote main. The series combination interrupting rating shall not exceed that of the line side circuit breaker or fused switch or the marked short circuit rating indicted on the equipment.

**For verification of specific combination ratings, consult the UL Recognized Components Directory.**

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# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
22,000	70 125 100	QPH, BQH, BLH 70 (1P) 125 (2P) 100 (3P)	QP, BQ, BL	1	15-70	120/240
				2	15-125	240
				3	15-100	240
			QE, BLE, QPF, BLF	2	15-60	120/240
			QE, BLE, BE, QPF, BQF, BLF QPF2, BLF2	1	15-30	240
			QT	1, 2	15-40	120/240
			QG, BG, BLG	1, 2	15-30	120/240
			BAF, QAF, QAF2, BAF2, QFGA2, BFGA2	1	15-20	120
	BAF, QAF	2	15-20	120/240		
	200	QPMH (2P)	QP	1	15-25 35-70	120 120/240
				2	15-25 35-125	120/240
			QE, QPF	1	15-30	120/240
				2	15-60	120/240
			QAF, BAF	1	15-20	120
				2	15-20	120/240
	QT	2	15-30	120/240		
	225	QJH2 (2, 3P)	QP, BQ, BL	1	15-70	120/240
				2	15-125	240
				3	60-100	240
			QPH, BQF, BLF, BG, BLG QE, BE, BLE, QPF2, BLF2	1	15-30	120
			QPF, BLF, BG, BLG, QE BE, BLE	2	15-60	120/240
			BAF, QAF, QAF2, BAF2	1	15-20	120
			BAF, QAF	2	15-20	120/240
			QT	1, 2	15, 20, 40	120/240
		QR2	2, 3	100-225	240	
		QPPH (2P)	QP, BQ, BL	1	15-70	120/240
				2	15-125	120/240
QE, BLE, BE, QPF, BQF, BLF, QPF2, BLF2			1	15-30	120	
QE, BLE, BE, QPF, BLF			2	15-60	120/240	
BAF, QAF, QAF2, BAF2	1		15-20	120		

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## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
	Max Amps	Type	Type	P	Amps	Volts	
22,000	225	QPPH (2P) (continued)	BAF, QAF	2	15-20	120/240	
			QPP	2	125-200	120/240	
			QT	1, 2	15-40	120/240	
	250	QRH2 (2, 3P)	QP, BQ, BL	1	15-70	120/240	
				2	15-125	120/240	
				2	15-125	240	
				3	15-100	240	
			QG, BG, BLG	1	15-30	120	
				2	15-30	120/240	
			QT	1,2	15-50	120/240	
			QFGA2, BFGA2, QAF2, BAF2, QAF, BAF	1	15-20	120	
				QAF, BAF	2	15-20	120/240
				QPF2, BLF2, QPF, BQF, BLF, QE, BLE, BE	1	15-30	120
				QPF, BLF, QE, BLE	2	15-60	120/240
				QN, QNR	2	150-200	120/240
QS	2	100-225		120/240			
QR2	2	100-250		120/240			
42,000	QJ2H (2, 3P)	QP, BQ, BL	1	15-70	120/240		
			2	15-125	120/240		
			3	60-100	240		
		QPH, BQH, BLH	1	15-70	120/240		
			2	15-125	120/240		
			3	15-100	240		
QR2, QRH2	2,3	100-225	240				
QJH2	2, 3	60-225	240				
65,000	70 (1P) 125 (2P) 100 (3P)	HQP, HBQ, HBL	QP, BQ, BL, QPH, BQH, BLH	1	15-70	120/240	
				2	15-125	240	
				3	15-100	240	
			QPF, BQF, BLF, BE, QPHF, BQHF, BLHF, QEH, BLEH, QE, BLE, QPF2, BLF2, QPHF2, BLHF2, QPHF2, BLHF2	1	15-30	120	
			QEH, BLEH, QE, QPHF, BLHF, BLE, QPF, BLF	2	15-60	120/240	
QT	1, 2	15-40	120/240				

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## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker					
	kAIR	Max Amps	Type	P	Amps	Volts		
65000	70 (1P) 125 (2P) 100 (3P)	HQP, HBQ, HBL (continued)	QG, BG, BLG	1, 2	15-30	120/240		
			BAF, QAF, BQAF, QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120		
			BAF, QAF	2	15-20	120/240		
	100 125	ED4 100 (1P) ED4, ED6 125 (2, 3P)	QP, BQ, BL QPH, BQH, BLH	1 2 3	15-70 15-125 15-100	120/240 240 240		
			QPHF, BQHF, BLHF, QPF, BQF, BLF, QE, QEH, BLEH, BE, BLE, QPF2, BLF2, QPHF2, BLHF2	1	15-30	120		
			QEH, BLEH, QE, QPHF, BLHF, BLE, QPF, BLF	2	15-60	120/240		
			QAF2, BAF2, BAF, QAF, BQAF, QAFH2, BAFH2, QAFH, BQAFH, BAFH, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120		
			QAF, BAF, QAFH, BAFH	2	15-20	120/240		
			ED2	1,2,3	15-100	120/240		
			QT	1,2	15-40	120/240		
			150	NDGA, NDGB (2P, 3P)	QPH, BQH, BLH	1 2 3	15-70 15-125 15-100	120/240 240 240
					QP, BQ, BL, QPH, BQH, BLH	1 2	15-70 15-125	120/240 120/240
					QPF, BQF, BLF, QPHF, BQHF, BLHF, QEH, BLEH, QE, BLE, BE, BLF2, QPF2, QFGA2, BFGA2	1	15-30	120/240
	225	HQPP (2P)	QEH, BLEH, QE, QPHF, BLHF, BLE, QPF, BLF	2	15-60	120/240		
			BAF, QAF, BQAF, QAF2, BAF2, QAFH2, BAFH2, QAFH, BQAFH, QFGAH2, BFGAH2	1	15-20	120		
			BAF, QAF, QAFH, BAFH	2	15-20	120/240		
			QT	1, 2	15-40	120		
			QPPH, QPP	2	125-200	120/240		

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## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
65000	250	FD6-A, FXD6-A (2,3P)	QP, BQ, BL	1	15-70	120/240
			QPH, BQH, BLH	2	15-125	120/240
				3	15-100	240
			QPF, QPHF, BLF, BLHF	1,2	15-60	120/240
			QPF2, BLF2, QPHF2, BLHF2	1	15-20	120
				2	15-60	120/240
			QAF, BAF, QAF2, BAF2, BQAF, QAFH2, BAFH2, QAFH, BQAFH, BAFH, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
			QAF, BAF, QAFH, BAFH	2	15-20	120/240
		QR2, QRH2	2,3	100-225	240	
		QJ2H, QJ2, QJH2	2,3	60-225	240	
		QPPH	2	125-225	120/240	
		NFGA, NFGB (2P, 3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QR2, QRH2	2, 3	100-250	240
		HQR2 (2, 3P)	QP, BQ, BL	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QT	1,2	15-50	120/240
			QFGA2, BFGA2, QAF2, BAF2, QAF, BAF	1	15-20	120
			QAF, BAF	2	15-20	120/240
			QPF2, BLF2, QPF, BQF, BLF, QE, BLE, BE	1	15-30	120
			QPF, BLF, QE, BLE	2	15-60	120/240
			QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QFGAH2, BFGAH2, QAFH2, BAFH2, QAFH, BAFH	1	15-20	120
			QAFH, BAFH	2	15-20	120/240
			QPHF, BLHF, QPHF2, BLHF2, QEH, BLEH	1	15-30	120
		QEH, BLEH, QPHF, BLHF	2	15-60	120/240	
		QN, QNH, QNR, QNRH	2	150-200	120/240	
		QS, QSH, QSHH	2	100-225	120/240	
QR2, QRH2	2,3	100-250	240			

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### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
kAIR	Max Amps	Type	Type	P	Amps	Volts	
65,000	400	JXD2-A, JD6-A JXD6-A (2,3P)	QPH, BQH, BLH	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120	
				QPF2, BLF2, QPHF2, BLHF2	1	15-30	120
					2,3	100-250	240
		QJ2H, QJH2		2,3	60-225	240	
		NJGA/NJJA (2P, 3P)		QPH, BQH, BLH	1	15-70	120/240
			2		15-125	120/240	
			3		15-100	240	
			QR2, QRH2	2,3	100-250	240	
		QNR, QNRH	2	150-200	120/240		
			QPH, BQH, BLH	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
		SJD6-A (2P, 3P)	QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120	
				QPF2, BLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2		2,3	100-250	240
			HJD6-A, HJXD6 (2, 3P)	QPH	1	15-70	120/240
					2	15-125	120/240
3	15-100	240					
QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120				
	QPF2, BLF2, QPHF2, BLHF2	1	15-30	120			

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## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
65,000	600	LD6-A, LXD6-A (2,3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QR2, QRH2	2,3	100-250	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
				QPF2, BLF2, QPHF2, BLHF2	1	15-30
		QJ2H, QJH2		2,3	60-225	240
		NLGA, NLGB (2P, 3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QR2, QRH2	2,3	100-250	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
				QPF2, BLF2, QPHF2, BLHF2	1	15-30
		QN, QNH		2	150-200	120/240
		QNR, QNRH	2	150-200	120/240	
		SLD6-A (2,3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
				QPF2, BLF2, QPHF2, BLHF2	1	15-30
		QR2, QRH2	2,3	100-250	240	
		HLD6-A, HLXD6-A	QPH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1		15-20	120		
	QPF2, BLF2, QPHF2, BLHF2	1	15-30	120		



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### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
	Max Amps	Type	Type	P	Amps	Volts	
65000	800	MD6, MXD6 (2,3P)	QPH, BQH, BLH	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120	
				QPF2, BLF2, QPHF2, BLHF2	1	15-30	120
					2,3	100-250	240
		NMG, HMG (2P, 3P)	QPH, BQH, BLH	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120	
				QPF2, BLF2, QPHF2, BLHF2	1	15-30	120
					2,3	100-250	240
		SMD6 (2,3P)	QPH, BQH, BLH	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120	
				QPF2, BLF2, QPHF2, BLHF2	1	15-30	120
					2,3	100-250	240
		HMxD6,HMD6	QPH	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120	
				QPF2, BLF2, QPHF2, BLHF2	1	15-30	120

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## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
65000	1200	ND6, NXD (2,3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
		QPF2, BLF2, QPHF2, BLHF2	1	15-30	120	
		QR2, QRH2	2,3	100-250	240	
		NNG, HNG (2P, 3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2	2,3	100-250	240
		SND6 (2, 3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
		QPF2, BLF2, QPHF2, BLHF2	1	15-30	120	
		QR2, QRH2	2,3	100-250	240	
		HND6, HNXD6	QPH	1	15-70	120/240
				2	15-125	120/240
				3	15-100	240
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20	120
		QPF2, BLF2, QPHF2, BLHF2	1	15-30	120	

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
65,000	1600	SPD6, PD6, PXD6 (2,3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
			3	15-100	240	
		QR2, QRH2	2,3	100-250	240	
		NPG (2P, 3P)	QPH, BQH, BLH	1	15-70	120/240
				2	15-125	120/240
			3	15-100	240	
	QR2, QRH2		2,3	100-250	240	
	HPD6, HPXD6	QN, QNH	2	150-200	120/240	
		QNR, QNRH	2	150-200	120/240	
	2000	HRD6, HRXD6, (2,3P)	QPH	1	15-70	120/240
				2	15-125	120/240
3				15-100	240	
RD6, RXD6 (2,3P)		QR2, QRH2	2,3	100-250	240	
		QPH, BQH, BLH	1	15-70	120/240	
			2	15-125	120/240	
3	15-100	240				
100,000	100	HED4 (1P)	ED2, ED4	1	15-100	120
	125	HED4, HED6 (2,3P)	QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL,	1	15-70	120/240
				2	15-125	240
				3	15-100	240
			QAF2, BAF2, QAF, BQAF, BAF, QAFH2, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, QFGA2, BFGA2 HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QAF, BAF, QAFH, BAFH	2	15-20	120/240
			QEH, BLEH, QE, BE, QPHF, BQHF, BLHF, QPF, BLF, BQF, BLE, QPF2, BLF2, QPHF2, BLHF2, HQPF2, HBLF2	1	15-30	120
			QEH, BLEH, QPHF, QE, BLHF, QPF, BLF, BLE	2	15-60	120/240

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## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	125	HED4, HED6 (2,3P) (continued)	ED2	1,2,3	15-100	120/240
			ED4	1	15-100	120
			ED4, ED6	2,3	15-125	240
			QT	1,2	15-40	120/240
		NGB,HGB,LBG (1P, 2P)	QAF2, QAFH2, QAF, BQAF, BAF, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, QFGA2, BFGA2 HQFGA2, HBF-GA2, QFGAH2, BFGAH2	1	15-20	120
			QAF, BAF, QAFH, BAFH	2	15-20	120/240
			QPF, BQF, BLF, QPHF, BQHF, BLHF, QPF2, BLF2, QPHF2, BLHF2, HQPF2, HBLF2	1	15-30	120
			QPF, BLF	2	15-60	120/240
			NGB,HGB,LBG (2P, 3P)	QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	1 2 3	15-70 15-125 15-100
		150	HDGA, HDGB (2P, 3P)	ED4, ED6	1	15-100
	ED4, ED6			2,3	15-125	240
	NDGA, NDGB			2,3	50-150	240
	225	HQPPH (2P)	QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	1 2	15-70 15-125	120/240 120/240
			HQPP, QPPH, QPP	2	125-225	120/240
			QAF2, BAF2, QAF, BQAF, BAF, QAFH2, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, QFGA2, BFGA2 HQFGA2, HBF-GA2, QFGAH2, BFGAH2	1	15-20	120
			QAF, BAF, QAFH, BAFH	2	15-20	120/240
			QEH, BLEH, QE, BE, QPHF, BQHF, BLHF, QPF, BQF, BLF, BLE, QPF2, BLF2, QPFH2, BLHF2, HQPF2, HBLF2	1	15-30	120
			QE, QEH, BLEH, QPHF, BLHF, QPF, BLF, BLE	2	15-60	120/240
			QR2, QRH2, HQR2	2	100-225	120/240
			QT	1,2	15-40	120/240

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker						
kAIR	Max Amps	Type	Type	P	Amps	Volts			
100,000	225	HQJ2H (2,3P)	QP, BP, QL	1	15-25	120/240			
				2	35-70	120/240			
				3	15-125 15-100	240			
			QR2, QRH2, HQR2	2,3	100-225	240			
				QPH, BQH, BLH, HQP, HBQ, HBL	1	15-70	120/240		
					2	15-125	120/240		
			3		15-100	240			
			QAF2, BAF2, QAF, BQAF, BAF, QAFH2, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, QFGA2, BFGA2 HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120			
	QAF, BAF, QAFH, QAFH	2					15-20	120/240	
	QEH, BLEH, QE, BE, QPHF, BQHF, BLHF, QPF, BQF, BLF, BLE, QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1					15-30	120	
	QEH, BLEH, QPHF, BLE, BLHF, QE, QPF, BLF		2	15-60	120/240				
	QT	1	15-50	120/240					
	250	HFD6, HFXD6 (2,3P)	QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	1	15-70	120/240			
				2	15-125	120/240			
3				15-100	240				
QAF2, BAF2, QAF, BQAF, BAF, QAFH2, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, QFGA2, BFGA2 HQFGA2, HBF-GA2, QFGAH2, BFGAH2			1	15-20	120				
						QAF, BAF, QAFH, BAFH	2	15-20	120/240
						QE, BE, BLE, QPHF, BQHF, BLHF, QPF, BQF, BLF, QEH, BLEH, QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
QPF, BLF, BLE, BLEH, QPHF, BLHF, QEH, QE	2	15-60	120/240						

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
100,000	250	HFD6, HFXD6 (2,3P) (continued)	ED4	1	15-100	120
			ED4, ED6	2,3	15-125	240
			FD6-A, FXD6-A	2,3	70-250	240
			QJ2, QJH2, QJ2H	2,3	60-225	240
			HQPP, QPPH, QPP	2	125-225	120/240
			QR2, QRH2, HQR2	2,3	100-250	240
			QT	1,2	15-40	120/240
			NDGA, NDGB	2, 3	50-150	240
			NFGA, NFGB	2, 3	70-250	240
			ED4, ED6	1	15-100	240
		HFGA, HFGB (2P, 3P)	ED4, ED6	2,3	15-125	240
			NFGA, NFGB	2, 3	70-250	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2, HQR2	2,3	100-250	240
			FD6, FXD6	2, 3	70-250	240
			FD6-A, FXD6-A	2, 3	70-250	240
			QP, BQ, BL	1 2 3	15-70 15-125 15-100	120/240 120/240 240
			QT	1,2	15-50	120/240
			QFGA2, BFGA2, QAF2, BAF2, QAF, BAF	1	15-20	120
			QAF, BAF	2	15-20	120/240
			HQR2H (2, 3P)	QPF2, BLF2, QPF, BQF, BLF, QE, BLE, BE	1	15-30
		QPF, BLF, QE, BLE		2	15-60	120/240
		QPH, BQH, BLH		1 2 3	15-70 15-125 15-100	120/240 120/240 240
		QFGAH2, BFGAH2, QAFH2, BAFH2, HQFGA2, HBFGA2, HQAF2, HBAF2, QAFH, BAFH		1	15-20	120

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
kAIR	Max Amps	Type	Type	P	Amps	Volts	
100,000	250	HQR2H (2, 3P) (continued)	QAFH, BAFH	2	15-20	120/240	
			QPHF, BLHF, QPHF2, BLHF2, QEH, BLEH, HQPF2, HBLF2	1	15-30	120	
			QEH, BLEH, QPHF, BLHF	2	15-60	120/240	
			HQP, HBQ, HBL	1	15-70	120/240	
				2	15-125	120/240	
				3	15-100	240	
			QS, QSH, QSHH, HQS	2	100-225	120/240	
			QR2, QRH2, HQR2	2,3	100-250	240	
			400	HJD6-A, HJXD6-A (2,3P)	ED4	1	15-100
	ED4, ED6	2, 3			15-125	240	
	QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2	1			15-20	120	
	QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1			15-30	120	
	QR2, QRH2, HQR2	2,3			100-250	240	
	FD6-A, FXD6-A	2, 3			70-250	240	
	JD6-A, JXD6-A, JXD2-A, SJD6-A	2, 3			200-400	240	
	NDGA, NDGB	2, 3			50-150	240	
	NFGA, NFGB	2, 3			70-250	240	
	NJGA, NJJA	2, 3			200-400	240	
	HJGA (2P, 3P)	ED4, ED6			1	15-100	240
		ED4, ED6			2,3	15-125	240
		QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2			1	15-20	120
		QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2			1	15-30	120
		NFGA, NFGB			2, 3	70-250	240
		FD6, FXD6			2, 3	70-250	240

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	400	HJGA (2P, 3P) (continued)	FD6-A, FXD6-A	2, 3	70-250	240
			QR2, QRH2, HQR2	2,3	100-250	240
			NJGA, NJJA	2, 3	200-400	240
			JD6, JXD6	2, 3	200-400	240
			JD6-A, JXD6-A	2, 3	200-400	240
		SHJD6, SHJD6-A (3P)	ED4	1	15-100	120
			ED4, ED6	2, 3	15-125	240
			FD6-A, FXD6-A	2, 3	70-250	240
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2, 3	200-400	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2, HQR2	2,3	100-250	240
			NDGA, NDGB	2, 3	50-150	240
			NFGA, NFGB	2, 3	70-250	240
	NJGA, NJJA	2, 3	200-400	240		
	600	HLD6-A, HLXD6-A (2P, 3P)	ED4	1	15-100	240
			ED4, ED6	2,3	15-125	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			FD6-A, FXD6-A	2, 3	70-250	240
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400	240
			LD6-A	2,3	200-600	240
			LXD6-A	2,3	450-600	240
			SLD6-A	3	300-600	240
			QR2, QRH2, HQR2	2,3	100-250	240
			NDGA, NDGB	2, 3	50-150	240
			NFGA, NFGB	2, 3	70-250	240
NJGA, NJJA			2, 3	200-400	240	
NLGA, NLGB	2, 3	400-600	240			



## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	400	HJGA (2P, 3P) (continued)	QR2, QRH2, HQR2	2,3	100-250	240
			NJGA, NJJA	2, 3	200-400	240
			JD6, JXD6	2, 3	200-400	240
			JD6-A, JXD6-A	2, 3	200-400	240
		ED4	1	15-100	120	
		ED4, ED6	2, 3	15-125	240	
		FD6-A, FXD6-A	2, 3	70-250	240	
		JD6-A, JXD6-A, JXD2-A, SJD6-A	2, 3	200-400	240	
		QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120	
		QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120	
		QR2, QRH2, HQR2	2,3	100-250	240	
		NDGA, NDGB	2, 3	50-150	240	
		NFGA, NFGB	2, 3	70-250	240	
		NJGA, NJJA	2, 3	200-400	240	
	600	HLD6-A, HLXD6-A (2P, 3P)	ED4	1	15-100	120
			ED4, ED6	2,3	15-125	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF- GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
			FD6-A, FXD6-A	2,3	70-250	240
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400	240

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
100,000	600	HLD6-A, HLXD6-A (2P, 3P) (continued)	LD6-A	2,3	200-600	240
			LXD6-A	2,3	450-600	240
			SLD6-A	3	300-600	240
			QR2, QRH2, HQR2	2,3	100-250	240
			NDGA, NDGB	2, 3	50-150	240
			NFGA, NFGB	2, 3	70-250	240
			NJGA, NJJA	2, 3	200-400	240
			NLGA, NLGB	2, 3	400-600	240
		HLGA, HLGB (2P, 3P)	ED4, ED6	1	15-100	240
			ED4, ED6	2,3	15-125	240
			NFGA, NFGB	2, 3	70-250	240
			FD6, FXD6	2, 3	70-250	240
			FD6-A, FXD6-A	2, 3	70-250	240
			NJGA, NJJA	2, 3	200-400	240
			JD6, JXD6	2, 3	200-400	240
			JD6-A, JXD6-A	2, 3	200-400	240
			NLGA, NLGB	2, 3	400-600	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2, HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2, HQR2	2,3	100-250	240
			LD6, LD6-A	2, 3	200-600	240
			LXD6, LXD6-A	2, 3	450-600	240

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	600	SHLD6, SHLD6-A (3P)	ED4	1	15-100	120
			ED4, ED6	2,3	15-125	240
			FD6-A, FXD6-A	2,3	70-250	240
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400	240
			LD6-A	2,3	200-600	240
			LXD6-A	2,3	450-600	240
			SLD6-A	3	300-600	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF-GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2, HQR2	2,3	100-250	240
			NDGA, NDGB	2, 3	50-150	240
			NFGA, NFGB	2, 3	70-250	240
			NJGA, NJJA	2, 3	200-400	240
			NLGA, NLGB	2, 3	400-600	240
	800	HMG (2P, 3P)	ED4, ED6	1	15-100	240
			ED4, ED6	2,3	15-125	240
			NFGA, NFGB	2, 3	70-250	240
			FD6, FXD6	2, 3	70-250	240
			FD6-A, FXD6-A	2, 3	70-250	240
			NJGA, NJJA	2, 3	200-400	240
			JD6, JXD6	2, 3	200-400	240
			JD6-A, JXD6-A	2, 3	200-400	240
NLGA, NLGB			2, 3	400-600	240	
LD6, LD6-A			2, 3	200-600	240	
LXD6, LXD6-A			2, 3	450-600	240	
NMG			2, 3	600-800	240	

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
100,000	800	HMG (2P, 3P) (continued)	QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2, HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
			QR2, QRH2, HQR2	2,3	100-250	240
			LMD6, LMXD6	2, 3	600-800	240
			MD6, MXD6	2, 3	400-800	240
			NDGA, NDGB	2, 3	50-150	240
		NFGA, NFGB	2, 3	70-250	240	
		NJGA, NJJA	2, 3	200-400	240	
		NLGA, NLGB	2, 3	400-600	240	
		NMG	2, 3	600-800	240	
		ED4	1	15-100	120	
		ED4, ED6	2,3	15-125	240	
		FD6-A, FXD6-A	2,3	70-250	240	
		JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400	240	
		LD6-A	2,3	200-600	240	
		LXD6-A	2,3	450-600	240	
		HMD6, HMXD6 (2P, 3P)	QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
	QR2, QRH2, HQR2		2,3	100-250	240	
	SLD6-A		3	300-600	240	
	MD6, MXD6		2,3	500-800	240	
	SMD6		3	600-800	240	

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	800	SHMD6 (3P)	NDGA, NDGB	2, 3	50-150	240
			NFGA, NFGB	2, 3	70-250	240
			NJGA, NJJA	2, 3	200-400	240
			NLGA, NLGB	2, 3	400-600	240
			NMG	2, 3	600-800	240
			ED4	1	15-100	120
			ED4, ED6	2,3	15-125	240
			FD6-A, FXD6-A	2,3	70-250	240
			JD6-A, JXD6-A,	2, 3	400-600	240
			JXD2-A	2,3	200-400	240
			SJD6-A	2,3	200-400	240
			LD6-A	2,3	200-600	240
			LXD6-A	2,3	450-600	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF-GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30	120
	QR2, QRH2, HQR2	2,3	100-250	240		
	SLD6-A	3	300-600	240		
	MD6, MXD6, SMD6	2,3	500-800	240		
	1200	HNG (2P, 3P)	ED4, ED6	1 2,3	15-100 15-125	240 240
			NFGA, NFGB	2, 3	70-250	240
			FD6, FXD6	2, 3	70-250	240
			FD6-A, FXD6-A	2, 3	70-250	240
			NJGA, NJJA	2, 3	200-400	240
			JD6, JXD6	2, 3	200-400	240
			JD6-A, JXD6-A	2, 3	200-400	240
			NLGA, NLGB	2, 3	400-600	240
			LD6, LD6-A	2, 3	200-600	240
			LXD6, LXD6-A	2, 3	450-600	240
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQF-GA2, HBFGA2, QFGAH2, BFGAH2	1	15-20	120

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
kAIR	Max Amps	Type	Type	P	Amps	Volts	
100,000	1200	HNG (2P, 3P) (continued)	QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1 2,3	15-30 100-250	120 240	
			QR2, QRH2, HQR2	2,3	100-250	240	
			NMG	2, 3	600-800	240	
			LMD6, LMXD6	2, 3	800-800	240	
			NNG	2, 3	600-1200	240	
			ND6, NXD6	1	15-100	240	
		ED4	2, 3	15-125	240		
		ED4, ED6	2,3	70-250	240		
		FD6-A, FXD6-A	2,3	200-400	240		
		JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-600	240		
		LD6-A	2,3	450-600	240		
		LXD6-A	2,3	300-600	240		
		SLD6-A	3	500-800	240		
		MD6, MXD6, SMD6	2,3	500-1200	240		
		ND6, NXD6,SND6	2,3	15-20	120		
		HND6, HNXD6 (2P, 3P)	QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2 HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-30	120	
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	2, 3	100-250	240	
			QR2, QRH2, HQR2	2, 3	50-150	240	
			NDGA, NDGB	2, 3	70-250	240	
			NFGA, NFGB	2, 3	200-400	240	
			NJGA, NJJA	2, 3	400-600	240	
			NLGA, NLGB	2, 3	600-800	240	
			NMG	2, 3	800-1200	240	
			NNG	1	15-100	240	
			ED4	2,3	15-125	240	
			ED4, ED6	2,3	70-250	240	
			FD6-A, FXD6-A	2,3	200-400	240	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-600	240	
			SHND6 (3P)	ED4	2,3	15-125	240
				ED4, ED6	2,3	70-250	240
		FD6-A, FXD6-A		2,3	200-400	240	

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	1200	SHND6 (3P) (continued)	LD6-A	2,3	450-600	240
			LXD6-A	3	300-600	240
			SLD6-A	2,3	500-800	240
			MD6, MXD6, SMD6	2,3	500-1200	240
			ND6, NXD6, SND6	1	15-20	120
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2, HQFGA2, HBFGA2, QFGAH2, BFGAH2	1	15-30	120
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	2,3	100-250	240
			QR2, QRH2, HQR2	2, 3	50-150	240
			NDGA, NDGB	2, 3	70-250	240
			NFGA, NFGB	2, 3	200-400	240
			NJGA, NJJA	2, 3	400-600	240
			NLGA, NLGB	2, 3	600-800	240
			NMG	2, 3	800-1200	240
			1600	HPG (2P, 3P)	NNG	1
	ED4, ED6	2,3			15-125	240
	ED4, ED6	2, 3			70-250	240
	NFGA, NFGB	2, 3			70-250	240
	FD6, FXD6	2, 3			70-250	240
	FD6-A, FXD6-A	2, 3			200-400	240
	NJGA, NJJA	2, 3			200-400	240
	JD6, JXD6	2, 3			200-400	240
	JD6-A, JXD6-A	2, 3			400-600	240
	NLGA, NLGB	2, 3			200-600	240
	LD6, LD6-A	2, 3			450-600	240
	LXD6, LXD6-A	2,3			100-250	240
	QR2, QRH2, HQR2	2, 3			600-800	240
	NMG	2, 3	600-800	240		
LMD6, LMXD6	2, 3	400-800	240			
MD6, MXD6	2, 3	800-1200	240			
NNG	2, 3	600-1200	240			
ND6, NXD6	2, 3	1200-1600	240			
NPG	2, 3	1200-1600	240			

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
100,000	1600	HPD6, HPXD6, SHPD6 (3P)	PD6, PXD6	3	15-100	240
			ED4	2,3	15-125	240
			ED4, ED6	2,3	200-400	240
			JD6-A, JXD6-A, JXD2-A	3	200-400	240
			SJD6-A	2,3	200-600	240
			LD6-A	2,3	450-600	240
			LXD6-A	3	300-600	240
			SLD6-A	2,3	500-800	240
			MD6, MXD6,	3	600-800	240
			SMD6	2,3	500-1200	240
			ND6, NXD6, SND6	2,3	1200-1600	240
			PD6, PXD6	3	1400-1600	240
			SPD6	2,3	100-250	240
			QR2, QRH2, HQR2	2, 3	50-150	240
			NDGA, NDGB	2, 3	70-250	240
			NFGA, NFGB	2, 3	200-400	240
			NJGA, NJJA	2, 3	400-600	240
			NLGA, NLGB	2, 3	600-800	240
			NMG	2, 3	800-1200	240
			NNG	2, 3	1200-1600	240
		SHPD6 (3P)	NPG	1	15-100	240
			ED4	2,3	15-125	240
			ED4, ED6	2,3	70-250	240
			FD6-A, FXD6-A	2,3	200-400	240
			JD6-A, JXD6-A, JXD2-A	3	200-400	240
			SJD6-A	2,3	200-600	240
			LD6-A	2,3	450-600	240
			LXD6-A	3	300-600	240
			SLD6-A	2,3	500-800	240
			MD6, MXD6	3	500-800	240
			SMD6	2,3	500-1200	240
			ND6, NXD6	3	500-1200	240
			SND6	2,3	1200-1600	240
			NPG, PD6, PXD6	3	1400-1600	240
SPD6	2, 3	50-150	240			
NDGA, NDGB	2, 3	70-250	240			
NFGA, NFGB	2, 3	200-400	240			



## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker						
kAIR	Max Amps	Type	Type	P	Amps	Volts			
100,000	1600	SHPD6 (3P) (continued)	NJGA, NJJA	2, 3	400-600	240			
			NLGA	2, 3	600-800	240			
			NMG	2, 3	800-1200	240			
			NNG	2, 3	1200-1600	240			
	2000	HRD6, HRXD6 (3P)	NPG	1	15-100	240			
			ED4	2,3	15-125	240			
			ED4, ED6	2,3	200-400	240			
			JD6-A, JXD6-A, JXD2-A	3	200-400	240			
			SJD6-A	2,3	200-600	240			
			LD6-A	2,3	450-600	240			
			LXD6-A	3	300-600	240			
			SLD6-A	2,3	500-800	240			
			MD6, MXD6	3	500-800	240			
			SMD6	2,3	500-1200	240			
			ND6, NXD6,	3	500-1200	240			
			SND6	2,3	1200-1600	240			
			PD6, PXD6	3	1200-1600	240			
			SPD6	2,3	1600-2000	240			
			RD6, RXD6	2,3	100-250	240			
			QR2, QRH2, HQR2	2,3	50-150	240			
			NDGA, NDGB	2,3	70-250	240			
			NFGA, NFGB	2,3	200-400	240			
			NJGA, NJJA	2,3	400-600	240			
			NLGA, NLGB	2,3	600-800	240			
			NMG	2,3	800-1200	240			
			NNG	2,3	1200-1600	240			
			200,000	125	CED6 (2,3P)	NPG	1 2 3	15-70 15-125 15-100	120/240 120/240 240
						QP, BQ, BL QPH, BQH, BLH, HQP, HBQ, HBL	1	15-20	120
QAF2, BAF2, QAF, BQAF, BAF, QAFH2, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, HQF- GA2, HBFGA2, QFGA2, QFGAH2, BFGAH2	2	15-20				120/240			
BAF, QAF, BAFH, QAFH	1	15-30				120			

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
200,000	125	CED6 (2,3P) (cOntinued)	QPHF, BQHF, BLHF, QPF, BQF, BLF, QEH, QE, BE, BLEH, BLE	2	15-60	120/240
			QEH, BLEH, QAHF, QE, QPHF, BLHF, QPF, BLE, BLF	1	15-100	120
			ED4, HED4	2,3	15-125	240
			ED4, ED6, HED4, HED6	1,2	15-40	120/240
			QT	1,2,3	15-125	240
	150	LDGA, LDGB (2P, 3P)	NGB,HGB,LBG	1,2,3	15-125	240
			NGB,HGB,LBG	2, 3	50-150	240
	250	CFD6 (2,3P)	NDGA, NDGB, HDGA, HDGB	1 2 3	15-70 15-125 15-100	120/240 120/240 240
			QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	1	15-20	120
			QAF2, BAF2, QAF, BQAF, BAF, QAFH2, BAFH2, HQAF2, HBAF2, QAFH, BQAFH, BAFH, HQFGA2, HBFGA2, QFGA2, QFGAH2, BFGAH2	2	15-20	120/240
			BAF, QAF, BAFH, QAFH	1	15-30	120
			QPHF, BQHF, BLHF, QE, BE, BLE, QPF, BQF, BLF, QEH, BLEH, QAF, BAF	2	15-60	120/240
			QPHF, BLHF, QE, BLE, QPF, BLF, QEH, BLEH, QAF, BAF	1,2,3	15-100	120/240
			ED2	1	15-100	120
			HED4, ED4	2,3	15-125	240
			ED4, ED6, HED4, HED6	2,3	70-250	240
			FD6-A, FXD6-A HFD6, HFXD6	2,3	60-225	240
			QJ2H, QJH2, QJ2	2	125-225	120/240
			QPPH, QPP	1,2	15-40	120/240
			QT	1,2,3	15-125	240
NGB, HGB, LBG	2, 3	50-150	240			
NDGA, NDGB, HDGA, HDGB	2, 3	70-250	240			

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
	Max Amps	Type	Type	P	Amps	Volts	
200,000	250	LFGA, LFGB (2P, 3P)	NFGA, NFGB, HFGA, HFGB	1,2,3	15-125	240	
			NGB,HGB,LBG	2, 3	50-150	240	
			NDGA, NDGB, HDGA, HDGB	2, 3	70-250	240	
			NFGA, NFGB, HFGA, HFGB	2, 3	70-250	240	
	400	CJD6-A (2,3P)	HFD6, HFXD6	2 3	100-125 100	120/240 240	
			QPH, BQH, BLH, HQP, HBQ, HBL	2,3	15-125	240	
			ED4, ED6	2,3	70-250	240	
			FD6-A, FXD6-A HFD6, HFXD6	2,3	200-400	240	
			JXD2-A, JD6-A, JXD6-A, HJD6-A, HJXD6-A	1,2	15-30	120/240	
			QT	1,2,3	15-125	240	
			NGB, HGB, LBG	2, 3	50-150	240	
			NDGA, NDGB, HDGA, HDGB	2, 3	70-250	240	
			NFGA, NFGB, HFGA, HFGB	2, 3	200-400	240	
			LJGA (2P, 3P)	NJGA, HJGA, NJJA	1,2,3	15-125	240
				NGB, HGB, LBG	2, 3	50-150	240
				NDGA, NDGB, HDGA, HDGB	2, 3	70-250	240
				NFGA, NFGB, HFGA, HFGB	2, 3	70-250	240
			HHJD6, HHJXD6, (2,3P)	HFD6, HFXD6	2, 3	200-400	240
				NJGA, HJGA, NJJA	2 3	70-250	240
				FD6-A, FXD6-A HFD6, HFXD6	2, 3	50-150	240
	NDGA, NDGB, HDGA, HDGB	2, 3		70-250	240		
	600	HHLXD6 (2,3P)	NFGA, NFGB, HFGA, HFGB	2, 3	200-400	240	
			NJGA, HJGA, NJJA	2, 3	70-250	240	
			FD6-A, FXD6-A HFD6, HFXD6	2, 3	50-150	240	

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker				
kAIR	Max Amps	Type	Type	P	Amps	Volts	
200,000	600	HHL D6, HHLXD6 (2,3P)	NDGA, NDGB, HDGA, HDGB	2, 3	70-250	240	
			NFGA, NFGB, HFGA, HFGB	2, 3	200-400	240	
			NJGA, HJGA, NJJA	2, 3	400-600	240	
		CLD6-A (2,3P)	NLGA, HLGA, NLGB, HLGB	2 3	100-125 100	120/240 240	
			QPH, BQH, BLH HQP, HBQ, HBL	2,3	15-125	240	
			ED4, ED6	2,3	70-250	240	
			FD6-A, FXD6-A HFD6, HFXD6	2,3	200-400	240	
			JXD2-A, JD6-A, JXD6-A, HJD6-A, HJXD6-A	2,3	200-600	240	
			LD6-A, HLD6-A	2,3	450-600	240	
			LXD6-A, HJXD6-A	1,2	15-30	120/240	
			QT	1,2,3	15-125	240	
			NGB, HGB, LBG	2 - 3	50-150	240	
			NDGA, NDGB, HDGA, HDGB	2 - 3	70-250	240	
			NFGA, NFGB, HFGA, HFGB	2 - 3	200-400	240	
			NJGA, HJGA, NJJA	2 - 3	400-600	240	
			LLGA, LLGB (2P, 3P)	NLGA, HLGA, NLGB, HLGB	1,2,3	15-125	240
				NGB, HGB, LBG	2, 3	50-150	240
				NDGA, NDGB, HDGA, HDGB	2, 3	70-250	240
	NFGA, NFGB, HFGA, HFGB	2, 3		70-250	240		
	HFD6, HFXD6	2, 3		200-400	240		
	NJGA, HJGA, NJJA	2, 3		400-600	240		
	800	CMD6 (2,3P)	NLGA, HLGA, NLGB,HLGB	1	15	240	
			ED4	2,3	15-125	240	
			ED4, ED6, HED4, HED6	2,3	70-250	240	
			FD6-A, FXD6-A, HFD6, HFXD6	2,3	200-400	240	
			JXD2-A, JD6-A, JXD6-A, HJD6-A HJXD6-A	2,3	200-600	240	

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
200,000	800	CMD6 (2,3P) (continued)	LD6-A, HLD6-A	2,3	450-600	240
			LXD6-A, HLXD6-A	2,3	500-800	240
			MD6, MXD6 HMD6, HMXD6	2,3	50-150	240
			NDGA, NDGB, HDGA, HDGB	2,3	70-250	240
			NFGA, NFGB, HFGA, HFGB	2,3	200-400	240
			NJGA, HJGA, NJJA	2,3	400-600	240
			NLGA, HLGA, NLGB, HLGB	2,3	600-800	240
			NMG, HMG	2,3	70-250	240
			HFD6, HFXD6	2,3	400-800	240
		MD6, MXD6	2,3	400-800	240	
		HMD6, HMXD6	2,3	50-150	240	
		NDGA, NDGB, HDGA, HDGB	2,3	70-250	240	
		NFGA, NFGB, HFGA, HFGB	2,3	200-400	240	
		NJGA, HJGA, NJJA	2,3	400-600	240	
		NLGA, HLGA, NLGB, HLGB	2,3	600-800	240	
		NMG, HMG	2,3	500-800	240	
		MD6, MXD6, HMD6, HMXD6	2,3	50-150	240	
		SCMD6, SCMD6-A (3P)	2,3	70-250	240	
	NFGA, NFGB, HFGA, HFGB	2,3	200-400	240		
	NJGA, HJGA, NJJA	2,3	400-600	240		
	NLGA, HLGA, NLGB, HLGB	2,3	600-800	240		
	1200	CND6-A (2P, 3P)	NMG, HMG	1	15	240
			ED4, ED6	2,3	15-125	240
			ED4, ED6, HED4, HED6	2,3	70-250	240
			FD6-A, FXD6-A, HFD6, HFXD6	2,3	200-400	240
			JXD2-A, JD6-A, JXD6-A, HJD6-A, HJXD6-A	2,3	200-600	240

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
200,000	1200	CND6-A (2P, 3P) (continued)	LD6-A, HLD6-A	2,3	450-600	240
			LXD6-A, HLXD6-A	2,3	500-800	240
			MD6, MXD6, HMD6, HMXD6	2,3	500-1200	240
			ND6, NXD6, SHND6, HND6, HNXD6	2,3	50-150	240
			NDGA, NDGB, HDGA, HDGB	2,3	70-250	240
			NFGA, NFGB, HFGA, HFGB	2,3	200-400	240
			NJGA, HJGA, NJJA	2,3	400-600	240
			NLGA, HLGA, NLGB, HLGB	2,3	600-800	240
		LNG (2P ,3P)	NMG, HMG	2,3	70-250	240
			HFD6, HFXD6	2,3	400-800	240
			MD6, MXD6 HMD6, HMXD6	2,3	600-1200	240
			ND6,NXD6, HND6, HNXD6	2,3	50-150	240
			NDGA, NDGB, HDGA, HDGB	2,3	70-250	240
			NFGA, NFGB, HFGA, HFGB	2,3	200-400	240
			NJGA, HJGA, NJJA	2,3	400-600	240
			NLGA, HLGA, NLGB, HLGB	2,3	600-800	240
		SCND6-A (3P)	NMG, HMG	2,3	400-800	240
			MD6, HMD6, HMXD6, MXD6, MXD6	2,3	400-800	240
			SHMD6, SMD6	2,3	600-800	240
			NMG, HMG	2,3	500-1200	240
			ND6, HND6, NXD6, HNXD6	3	500-1200	240

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
200,000	1200	SCND6-A (2P, 3P)	SND6, SHND6	2,3	50-150	240
			NDGA, NDGB, HNDGA, NDGB	2,3	70-250	240
			NFGA, NFGB, HFGA, HFGB	2,3	200-400	240
			NJGA, HJGA, NJJA	2,3	400-600	240
			NLGA, HLGA, NLGB, HLGB	2,3	600-800	240
	1600	CPD6 (3P)	NMG, HMG	2,3	70-250	240
			FD6-A, FXD6-A, HFD6, HFXD6	2,3	200-400	240
			JXD2-A, JD6-A, JXD6-A, HJD6-A, HJXD6-A	2,3	200-600	240
			LD6-A, HLD6-A	2,3	450-600	240
			LXD6-A, HLXD6-A	2,3	500-800	240
			MD6, MXD6, HMD6, HMXD6	2,3	500-1200	240
			ND6, NXD6, HND6, HNXD6, SND6	2,3	50-150	240
			NDGA, NDGB, HDGA, HDGB	2,3	70-250	240
			NFGA, NFGB, HFGA, HFGB	2,3	200-400	240
			NJGA, HJGA, NJJA	2,3	400-600	240
		NLGA, HLGA, NLGB, HLGB	2,3	600-800	240	
		LPG (2,3P)	NMG, HMG	2,3	400-800	240
			MD6, MXD6, HMD6, HMXD6	2,3	600-1200	240
			ND6, NXD6, HND6, HNXD6	2,3	1000-1600	240
			PD6, PXD6, HPD6, HPXD6	2,3	50-150	240
NDGA, NDGB, HDGA, HDGB	2,3		70-250	240		

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 240V Breaker (Continued)

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
200,000	1600	LPG (2,3P) (continued)	NFGA, NFGB, HFGA, HFGB	2,3	70-250	240
			HFD6, HFXD6	2,3	200-400	240
			NJGA, HJGA, NJJA	2,3	400-600	240
			NLGA, HLGA, NLGB, HLGB	2,3	600-800	240
			NMG, HMG			



## Fuses

### Series Connected Short Circuit Rating

#### 240V Fuse Series Ratings

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amps	Type	P	Max. Amps
65,000	J, R	15-600 (1,2,3P)	QPH, BQH, BLH	1,2,3	15-125
	T	15-1200 (1,2,3P)	QPH, BQH, BLH	1,2,3	15-125
	L	601-6000 (1,2,3P)	QPH, BQH, BLH	1,2,3	15-125
100,000	T (300V)	15-200 (1,2,3P)	QP, BQ, BL	1,2,3	15-125
			HQP, HBQ, HBL, QPH, BQH, BLH	3	15-100
			QPF, BQF, BLF, QPHF, QE, BE, BLE, QEH, BLEH, BLHF, BQHF, QAF, BAF, QAFH, BAFH	1	15-30
			QEH, BLEH, QE, QPF, QPHF, BLHF, BLE, BLF, QAF, BAF, QAFH, BAFH	2	15-60
			QT	1,2	15-50
		15-600 (1,2,3P)	QPH, BQH, BLH, HQP, HBQ, HBL	1,2	15-125
	J, R	15-600 (2,3P)	ED4, HED4	1	15-100
			ED4, ED6, HED4, HED6	2,3	15-125
			QAF2, BAF2, QAFH2, BAFH2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30
		70-600 (2,3P)	FD6-A, FXD6-A	2,3	70-250
		100-600 (2,3P)	QR2, QRH2, HQR2	2,3	100-250
		200-600 (2,3P)	JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400
			LD6-A	2,3	200-600
		300-600 (3P)	SLD6-A	3	300-600
		450-600 (2,3P)	LXD6-A	2,3	450-600

## Fuses

### Series Connected Short Circuit Rating

#### 240V Fuse Series Ratings (Continued)

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amps	Type	P	Max. Amps
100,000	T	15-1200 (2,3P)	ED4, HED4	1	15-100
			ED4, ED6, HED4, HED6	2,3	15-125
			QAF2, BAF2, QAFH2, BAFH2, HQAF2, HBAF2, QFGA2, BFGA2, QFGAH2, BFGAH2	1	15-20
			QPF2, BLF2, HQPF2, HBLF2, QPHF2, BLHF2	1	15-30
		70-1200 (2,3P)	FXD6-A, FD6-A	2,3	70-250
		100-600 (2,3P)	QR2, QRH2, HQR2	2,3	100-250
		450-1200 (2,3P)	LXD6-A	2,3	450-600
		200-1200 (2,3P)	JD6-A, JXD6-A, JXD2-A	2,3	200-400
	SJD6-A		3	200-400	
	LD6-A		2,3	200-600	
	300-1200 (3P)	SLD6-A	3	300-600	
	L	601-6000 (2,3P)	ED4, HED4	1	15-100
			ED4, ED6, HED4, HED6	2,3	
			FD6-A, FXD6-A	2,3	70-250
			JD6-A, JXD6-A, JXD2-A	2,3	200-400
			SJD6-A	3	200-400
			LD6-A	2,3	200-600
			LXD6-A	2,3	450-600
			SLD6-A	3	300-600
SMD6			3	500-800	
SND6			3	500-1200	
PD6, PXD6, SPD6			3	1200-1600	
RD6, RXD6	3	1600-2000			

## Fuses

### Series Connected Short Circuit Rating

#### 240V Fuse Series Ratings (Continued)

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amps	Type	P	Max. Amps
200,000	R	125-200 (2,3P)	QJH2, QJ2H, QJ2	2,3	125-200
	TJ	125-600 (2,3P)	QJH2, QJ2H	2,3	125-225
		125-400 (2,3P)	QJ2	2,3	125-225
	JR	70-600 (2,3P)	HFD6, HFXD6	2,3	70-250
	T	70-1200	HFD6, HFXD6	2,3	70-250
		600-1200 (2,3P)	NMG, HMG	2,3	600-800
	L	601-6000 (2,3P)	HFD6, HFXD6	2,3	70-250
			MD6, MXD6, HMD6, HMXD6	2,3	500-800
			NMG, HMG	2,3	600-800
			ND6, NXD6, HND6, HNXD6	2,3	500-1200
	J,R	15-600 (1,2,3)	NGB,HGB,LBG	1,2,3	15-125
		50-600 (2,3)	NDGA, HDGA	2,3	50-150
		70-600 (2,3)	NFGA, HFGA	2,3	70-250
		200-600 (2,3)	NJGA, HJGA	2,3	200-400
		400,600 (1,2,3)	NLGA, HLGA	2,3	400-600
	T	15-1200 (1,2,3)	NGB,HGB,LBG	1,2,3	15-125
		50-1200 (2,3)	NDGA, HDGA	2,3	50-150
		70-1200 (2,3)	NFGA, HFGA	2,3	70-250
		200-1200 (2,3)	NJGA, HJGA	2,3	200-400
		400-1200 (2,3)	NLGA, HLGA	2,3	400-600

## Fuses

### Series Connected Short Circuit Rating

#### 240V Fuse Series Ratings (Continued)

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amps	Type	P	Max. Amps
200,000	L	601-6000 (2,3)	QPH, BQH, BLH	1,2,3	15-125
			NDGA, HDGA	2,3	50-150
			NFGA, HFGA	2,3	70-250
			NJGA, HJGA	2,3	200-400
			NJGA, HLGA	2,3	400-600
	T	70-1200 600-1200 (2,3P)	NMG, HMG	2,3	600-800
			HFD6, HFXD6	2,3	70-250
	L	601-6000 (2,3P)	MD6, MXD6, HMD6, HMXD6	2,3	500-800
			NMG, HMG	2,3	600-800
			ND6, NXD6, HND6, HNXD6	2,3	500-1200
	J,R	15-600 (1,2,3)	NGB,HGB,LBG	1,2,3	15-125
		50-600 (2,3)	NDGA, HDGA	2,3	50-150
		70-600 (2,3)	NFGA, HFGA	2,3	70-250
		200-600 (2,3)	NJGA, HJGA	2,3	200-400
		400,600 (1,2,3)	NLGA, HLGA	2,3	400-600
	T	15-1200 (1,2,3)	NGB,HGB,LBG	1,2,3	15-125
		50-1200 (2,3)	NDGA, HDGA	2,3	50-150
		70-1200 (2,3)	NFGA, HFGA	2,3	70-250
200-1200 (2,3)		NJGA, HJGA	2,3	200-400	
400-1200 (2,3)		NLGA, HLGA	2,3	400-600	

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 480V Breaker

Series Rating	Main Breaker		Branch Breaker				
	Max Amps	Type	Type	P	Amps	Volts	
18,000	125	ED4 (2 & 3P)	BQD, CQD	1,2,3	15-100	277/480	
25,000	125	ED6 (2 & 3P)	BQD, CQD	1,2,3	15-100	277/480	
		NGB, HGB, LBG (2 & 3P)	BQD, CQD	1	15-100	277	
				2	15-100	277/480	
				3	15-100	277/480	
HED6 (2 & 3P)	ED4	1	15-100	277			
			ED4, ED6	2,3	15-125	480	
35,000	250	FD6-A, FXD6-A (2 & 3P)	NGB, HGB, LBG	1	15-125	277	
				2	15-125	277/480	
				3	15-125	277/480	
	400	JD6-A, JXD6-A (2 & 3P)	NGB,HGB,LBG	1	15-125	277	
				2	15-125	277/480	
				3	15-125	277/480	
42,000	125	HED4 (2,3P)	BQD, CQD	1,2,3	15-100	277/480	
				1	15-100	277	
				2,3	15-125	480	
	400	HJD6-A, HJXD6-A (2 & 3P)	NGB, HGB, LBG	1	15-125	277	
				2	15-125	277/480	
				3	15-125	277/480	
50,000	250	HFD6, HFXD6 (2 & 3P)	NGB, HGB, LBG	1	15-125	277	
				2	15-125	277/480	
				3	15-125	277/480	
	400	HJD6-A, HJXD6-A	HED4	2,3	15-50	480	
	600	HLD6-A, HLXD6-A (2,3P)	HED4	2,3	15-50	480	
	800	MD6, MXD6 (2 & 3P)		FD6-A, FXD6-A	2,3	70-250	480
				JD6-A, JXD6-A	2,3	200-400	480
				SJD6-A	3	200-400	480
LD6-A				2,3	200-600	480	
LXD6-A				2,3	450-600	480	
			SLD6-A	3	400-600	480	

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
50,000	800	MD6, MXD6 (2 & 3P) (continued)	NDGA, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
			NMG	2,3	600-800	480
		SMD6 (3P)	JD6-A, JXD6-A	2,3	200-400	480
			SJD6-A	3	200-400	480
			LD6-A	2,3	200-600	480
			LXD6-A	2,3	450-600	480
			SLD6-A	3	400-600	480
			LMD6, LMXD6	2,3	600-800	480
			NDGA, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
	NMG	2,3	600-800	480		
	1200	ND6, NXD6 (2,3P)	FD6-A, FXD6-A	2,3	70-250	380
			JD6-A, JXD6-A	2,3	200-400	480
			SJD6-A	3	200-400	480
			LD6-A	2,3	200-600	480
			LXD6-A	2,3	450-600	480
			SLD6-A	3	400-600	480
			NDGA, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
			NMG, LMD6, LMXD6	2,3	600-800	480

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
50,000	1200	SND6 (3P)	JD6-A, JXD6-A	2,3	200-400	480
			SJD6-A	3	200-400	480
			LD6-A	2,3	200-600	480
			LXD6-A	2,3	450-600	480
			SLD6-A	3	400-600	480
			LMD6, LMXD6	2,3	600-800	480
			NDGA, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
			NMG	2,3	600-800	480
			1600	SPD6 (3P)	JD6-A, JXD6-A	2,3
	SJD6-A	3			200-400	480
	LD6-A	2,3			200-600	480
	LXD6-A	2,3			450-600	480
	SLD6-A	3			400-600	480
	FD6-A, FXD6-A	2,3			70-250	480
	PD6, PXD6 (3P)	JD6-A, JXD6-A		2,3	200-400	480
		SJD6-A		3	200-400	480
		LD6-A		2,3	200-600	480
		LXD6-A		2,3	450-600	480
		SLD6-A		3	400-600	480
		NDGA, NDGB		2,3	50-150	480
	NFGA, NFGB	2,3	70-250	480		
NJGA	2,3	250-400	480			
NLGA, NLGB	2,3	400-600	480			
NMG	2,3	600-800	480			
NNG	2,3	800-1200	480			
NPG	2,3	1200-1600	480			

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker				
kAIR	Max Amps	Type	Type	P	Amps	Volts	
50,000	2000	RD6, RXD6 (3P)	FD6-A, FXD6-A	2,3	70-250	480	
			JD6-A, JXD6-A	2,3	200-400	480	
			SJD6-A	3	200-400	480	
			LD6-A	2,3	200-600	480	
			LXD6-A	2,3	450-600	480	
			SLD6-A	3	400-600	480	
			NDGA, NDGB	2,3	50-150	480	
			NFGA, NFGB	2,3	70-250	480	
			NJGA	2,3	250-400	480	
			NLGA, NLGB	2,3	400-600	480	
			NMG	2,3	600-800	480	
			NNG	2,3	800-1200	480	
			NPG	2,3	1200-1600	480	
65,000	150	HDGA, HDGB (2 & 3P)	NDGA, NDGB	2,3	50-150	480	
	250	HFD6, HFXD6 (2,3P)	BQD, CQD	1,2,3	15-100	277/480	
			ED4, HED4	1	15-100	277	
			ED4, ED6, HED4, HED6	2,3	15-125	480	
			NDGA, NDGB	2,3	50-150	480	
			NFGA, NFGB	2,3	70-250	480	
			HFGA, HFGB (2 & 3P)	NDGA, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480	
	400	400	HJD6-A, HJXD6-A (2,3P)	HED4, ED4	1	15-100	277
				FD6-A, FXD6-A	2,3	70-250	480
				JD6-A, JXD6-A	2,3	200-400	480
				NDGA, NDGB	2,3	50-150	480
NFGA, NFGB				2,3	70-250	480	
NJGA				2,3	250-400	480	
HJGA (2 & 3P)			NDGA, NDGB	2,3	50-150	480	
			NFGA, NFGB	2,3	70-250	480	
			NJGA	2,3	250-400	480	
				1	15-125	277	
				2	15-125	277/480	
				3	15-125	277/480	



## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
65,000	400	HHJD6, HHJXD6 (2 & 3P)	NGB, HGB, LBG	1	15-125*	277
				2	15-125*	277/480
				3	15-125*	277/480
	600	HLD6-A, HLXD6-A (2,3P)	ED4, HED4	1	15-100	277
				2,3	70-250	480
				2,3	200-400	480
				2,3	200-600	480
				2,3	450-600	480
				2,3	50-150	480
				2,3	70-250	480
				2,3	250-400	480
		2,3	400-600	480		
		HHLD6, HHLXD6 (2,3p)	NGB, HGB, LBG	1	15-125	277
				2	15-125	277/480
				3	15-125	277/480
		HLGA, HLGB (2 & 3P)	NGB, HGB, LBG	1	15-125*	277
				2	15-125*	277/480
				3	15-125*	277/480
	2,3			50-150	480	
	2,3			70-250	480	
	2,3			250-400	480	
	800	HMD6, HMXD6 (2,3P)	FD6-A, FXD6-A	2,3	70-250	480
				2,3	200-400	480
				2,3	200-600	480
				2,3	450-600	480
				2,3	600-800	480
				2,3	400-800	480
				2,3	50-150	480
				2,3	70-250	480
				2,3	250-400	480
2,3				400-600	480	
2,3				600-800	480	
2,3				NMG	480	

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
65,000	800	HMG (2,3P)	LMD6,LMXD6	2,3	600-800	480
			MD6,MXD6	2,3	400-800	480
			SMD6	3	500-800	480
			NDGA, NDGB, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
			NMG	2,3	600-800	480
	1200	HND6, HNXD6 (2,3P)	FD6-A, FXD6-A	2,3	70-250	480
			JD6-A, JXD6-A	2,3	200-400	480
			LD6-A	2,3	200-600	480
			LXD6-A	2,3	450-600	480
			MD6, MXD6	2,3	500-800	480
			SMD6	3	500-800	480
			LMD6, LMXD6	2,3	600-800	480
			NDGA, NDGB, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
			NMG	2,3	600-800	480
		NNG	2,3	800-1200	480	
		HNG (2,3P)	LMD6,LMXD6	2,3	600-800	480
			MD6, MXD6	2,3	400-800	480
			ND6, NXD6	2,3	800-1200	480
			NDGA, NDGB, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
	NMG		2,3	600-800	480	
	NNG	2,3	800-1200	480		

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
65,000	1600	HPD6, HPXD6 (3P)	FD6-A, FXD6-A	2,3	70-250	480
			NDGA, NDGB, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
			NJGA	2,3	250-400	480
			NLGA, NLGB	2,3	400-600	480
			NMG	2,3	600-800	480
			NNG	2,3	800-1200	480
			NPG	2,3	1200-1600	480
			HPG (2,3P)	LMD6, LMXD6	2,3	600-800
		MD6, MXD6		2,3	400-800	480
		ND6, NXD6		2,3	800-1200	480
		NDGA, NDGB		2,3	50-150	480
		NFGA, NFGB		2,3	70-250	480
		NJGA		2,3	250-400	480
		NLGA, NLGB		2,3	400-600	480
		NMG		2,3	600-800	480
		NNG		2,3	800-1200	480
		NPG	2,3	1200-1600	480	
	2000	HRD6, HRXD6 (3P)	FD6-A, FXD6-A	2,3	70-250	480
			JD6-A, JXD6-A	2,3	200-400	480
			LD6-A	2,3	200-600	480
			LXD6-A	2,3	450-600	480
			NDGA, NDGB	2,3	50-150	480
			NFGA, NFGB	2,3	70-250	480
NJGA			2,3	250-400	480	
NLGA, NLGB			2,3	400-600	480	
NMG			2,3	600-800	480	
NNG			2,3	800-1200	480	
NPG	2,3	1200-1600	480			

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker						
kAIR	Max Amps	Type	Type	P	Amps	Volts			
100,000	150	LDGA, LDGB (2 & 3P)	NGB, HGB, LBG	1	15-125*	277			
				2	15-125*	277/480			
				3	15-125*	277/480			
	250	CFD6 (2,3P)	BQD, CQD	NGB,HGB,LBG	1	15-100	277/480		
					2,3	15-30	277/480		
					1	15-125*	277		
				LFGA, LFGB (2 & 3P)	NDGA, NDGB, HDGA, HDGB	2,3	50-150	480	
						NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
							2, 3	70-250	480
						HHFD6, HHFXD6 (2 & 3P)	NGB, HGB, LBG	1	15-125*
	2	15-125*	277/480						
	3	15-125*	277/480						
	400	HHJXD6, HHJD6,	ED4, ED6, HED4, HED6	NFGA, NFGB, HFGA, HFGB	1	15-100	277		
					HFD6, HFXD6, FXD6-A, FD6-A	2,3	70-250	480	
						2,3	50-150	480	
					NJGA, HJGA	2,3	200-400	480	
						CJD6-A (2 & 3P)	NGB,HGB,LBG	1	15-125*
		2	15-125*	277/480					
		3	15-125*	277/480					
		LJGA (2 & 3P)	NDGA, NDGB, HDGA, HDGB	NFGA, NFGB, HFGA, HFGB	2,3	50-150	480		
2,3					70-250	480			
2,3					70-250	480			
600	HHL6, HHLXD6 (2,3P)	ED4, ED6, HED4, HED6	NFGA, NFGB, HFGA, HFGB	1	15-100	277			
				HFD6, HFXD6, FXD6-A, FD6-A	2,3	70-250	480		
					2,3	50-150	480		

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating		Main Breaker		Branch Breaker		
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	600	HHL D6, HHLXD6 (2,3P) (Continued)	NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
			NJGA, HJGA	2,3	200-400	480
		LLGA, LLGB (2 & 3P)	NDGA, NDGB, HDGA, HDGB	2,3	50-150	480
			NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
			HFD6, HFXD6	2,3	70-250	480
			NJGA, HJGA	2,3	200-400	480
	800	CMD6 (3P)	FD6-A, FXD6-A HFD6-A, HFXD6-A	2,3	70-250	480
			JD6-A, HJD6-A, JXD6-A, HJXD6-A	2,3	200-400	480
			LD6-A, HLD6-A	2,3	200-600	480
			LXD6-A, HLXD6-A	2,3	450-600	480
			MD6, MXD6, HMD6, HMxD6	2,3	500-800	480
			NDGA, NDGB, HDGA, HDGB	2,3	50-150	480
			NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
			NJGA, HJGA	2,3	200-400	480
			NLGA, HLGA, NLGB, HLGB	2,3	400-600	480
			LMG (2,3P)	NDGA, NDGB, HDGA, HDGB	2,3	50-150
		NFGA, NFGB, HFGA, HFGB		2,3	70-250	480
		HFD6, HFXD6		2,3	70-250	480
		NJGA, HJGA		2,3	200-400	480
		SCMD-A,(3P)	NLGA, NLGB, HLGA, HLGB	2,3	400-600	480
MD6, MXD6, HMD6, HMxD6	2,3		500-800	480		
		HFD6, HFXD6	2,3	70-250	480	

# Molded Case Circuit Breakers

## Series Connected Short Circuit Ratings

### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	1200	SCND6-A (3P)	HFD6, HFXD6	2,3	70-250	480
		LNG (2,3P)	NDGA, NDGB, HDGA, HDGB	2,3	50-150	480
			NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
			HFD6, HFXD6	2,3	70-250	480
			NJGA, HJGA	2,3	200-400	480
			NLGA, HLGA, NLGB, HLGB	2,3	400-600	480
			MD6, MXD6, HMD6, HMXD6	2,3	400-800	480
			ND6, NXD6, HND6, HNXD6	2,3	600-1200	480
		CND6 (3P)	FD6-A, FXD6-A	2,3	70-250	480
			HFD6-A, HFXD6-A	2,3	70-250	480
			JD6-A, HJD6-A, JXD6-A, HJXD6-A	2,3	200-400	480
			LD6-A, HLD6-A	2,3	200-600	480
			LXD6-A, HLXD6-A	2,3	450-600	480
			MD6, MXD6, HMD6, HMXD6	2,3	500-800	480
			ND6, NXD6, HND6, HNXD6	2,3	500-1200	480
			NDGA, NDGB, HDGA, HDGB	2 - 3	50-150	480
		NFGA, NFGB, HFGA, HFGB	2 - 3	70-250	480	
		NJGA, HJGA	2 - 3	200-400	480	
	NLGA, HLGA, NLGB, HLGB	2 - 3	400-600	480		
	1600	CPD6 (3P)	FD6-A, FXD6-A HFD6-A, HFXD6-A	2,3	70-250	480
			NDGA, NDGB, HDGA, HDGB	2,3	50-150	480
			NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
			NJGA, HJGA	2,3	200-400	480
			NLGA, HLGA, NLGB, HLGB	2,3	400-600	480
				2,3	400-600	480

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 480V Breaker

Series Rating		Main Breaker		Branch Breaker		
kAIR	Max Amps	Type	Type	P	Amps	Volts
100,000	1600	LPG (2,3P)	NDGA, NDGB, HDGA, HDGB	2,3	50-150	480
			NFGA, NFGB, HFGA, HFGB	2,3	70-250	480
			HFD6, HFXD6	2,3	70-250	480
			NJGA, HJGA	2,3	200-400	480
			NLGA, NLGB, HLGA, HLGB	2,3	400-600	480
			MD6, MXD6, HMD6, HMXD6	2,3	500-800	480
			ND6, NXD6, HND6, HNXD6	2,3	500-1200	480
PD6, PXD6, HPD6, HPXD6	2,3	1200-1600	480			
150,000	400	CJD6-A (2,3P)	ED4	1	15-100	277
			HFD6, HFXD6	2,3	70-250	480
			JD6-A, HJD6-A, JXD6-A, HJXD6-A	2,3	200-400	480
	600	CLD6-A (2,3P)	ED4	1	15-100	277
			HFD6, HFXD6	2,3	70-250	480
			JD6-A, HJD6-A, JXD6-A, HJXD6-A	2,3	200-400	480
			LD6-A, HLD6-A	2,3	200-600	480
			LXD6-A, HLXD6-A	2,3	450-600	480

## Molded Case Circuit Breakers

### Series Connected Short Circuit Ratings

#### 480V Breaker

Series Rating	Main Breaker		Branch Breaker			
	Max Amps	Type	Type	P	Amps	Volts
200,000	125	CED6 (2,3P)	BQD, CQD	1 2,3	15-100 20-30	277 277/480
			ED4, HED4	1	15-100	277
			ED4, ED6, HED4, HED6	2,3	15-125	480
			NGB,HGB,LBG	1	15-125	277
				2	15-125	277/480
				3	15-125	277/480
	250	CFD6 (2,3P)	BQD, CQD	1 2,3	15-100 20-30	277 277/480
			ED4, ED6	2,3	15-50	277
			ED4, HED4	1	15-100	480
			HED4, HED6	2,3	15-125	480
			FD6-A, FXD6-A, HFD6, HFXD6	2,3	70-250	480
			NGB,HGB,LBG	1	15-125	277
				2	15-125	277/480
				3	15-125	277/480



## Fuses

### Series Connected Short Circuit Rating

#### 480V Fuse Series Ratings

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amps	Type	P	Max. Amps
50,000	J	60-400 (1,2,3P)	ED4	1	60-100
		15-400 (2,3P)	ED4	2,3	15-100
100,000	J	15-400 (1,2,3P)	ED4	1	15-50
	T, J	70-600 (2,3P)	FD6-A, FXD6-A	2,3	70-250
	J, R	70-600 (2,3P)	HFD6, HFXD6	2,3	70-250
	T, J, R	200-600 (2,3P)	JD6-A, JXD6-A, HJD6-A, HJX	2,3	200-400
			LD6-A, HLD6	2,3	200-600
	T	450-600 (2,3P)	LXD6-A, HLD6	2,3	450-600
			70-1200 (2,3P)	HFD6, HFXD6	2,3
	T, L	601-1200 (2,3P)	JD6-A, JXD6-A, HJD6-A, HJX	2,3	200-400
			LD6-A, HLD6	2,3	200-600
			LXD6-A, HLX	2,3	450-600
	L	601-6000 (2,3P)	HFD6, HFXD6	2,3	70-250
			MD6, MXD6, HMD6	2,3	500-800
			ND6, NXD6, HND6, HNXD6	2,3	500-1200
			NDGA, HDGA	2,3	50-150
			NFGA, HFGA	2,3	70-250
NJGA, HJGA			2,3	200-400	
NLGA, HLGA			2,3	400-600	
J,R	50-600 (2,3P)	NDGA, HDGA	2,3	50-150	
		70-600 (2,3P)	NFGA, HFGA	2,3	70-250
		200-600 (2,3P)	NJGA, HJGA	2,3	200-400
		400-600 (2,3P) J,R	NLGA, HLGA	2,3	400-600

## Fuses

### Series Connected Short Circuit Rating

#### 480V Fuse Series Ratings (continued)

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amps	Type	P	Max. Amps
100,000	T	601-1200 (2,3P)	NDGA, HDGA	2,3	50-150
		601-1200 (2,3P)	NFGA, HFGA	2,3	70-250
		601-1200 (2,3P)	NJGA, HJGA	2,3	200-400
		601-1200 (2,3P)	NLGA, HLGA	2,3	400-600
	L	601-6000 (2,3P)	NDGA, HDGA	2,3	50-150
			NFGA, HFGA	2,3	70-250
			NJGA, HJGA	2,3	200-400
			NLGA, HLGA	2,3	200-400
200,000	R	15-100 (1,2,3P)	BQD, CQD	1	15-100
			BQD, CQD	2,3	20-30
	T, J	15-200 (1,2,3P)	BQD, CQD	1	15-100
			BQD, CQD	2,3	20-30

## 480V Special Panelboard Series Rating<sup>1</sup>

### Series Connected Short Circuit Rating

Series Rating	Main Breaker/Fuse		Branch Breaker			
	Max. Amps	Type	Type	P	Max. Amps	Volts
42,000	125	HED4 (2,3P)	BQCH	1 2 3	15-100	277/480 277/480
			BQCH	1		277
65,000	250	HFD6 (2,3P)	BQCH	2 3	15-60	277/480
			BQCH	2 3		277/480
100,000	250	CFD6 (2,3P)	BQCH	2 3	15-100	277/480 277/480
		CFD6 (2, 3P)	BQD, CQD	2 3		277/480
		CLF (2,3P)	BQCH	1 2 3		277 277/480 277/480
200,000	100	CLE (2,3 P)	BQCH	1 2 3	15-100	277 277/480 277/480
			CLE-A (2,3P)	BQCH		1 2 3
	125	CED6 (2,3P)	BQCH	1 2 3	15-100	277 277/480 277/480
			BQD, CQD	2, 3		277/480
	250	CFD6 (2,3P)	BQCH	1	15-100	277
			BQCH	2,3		60-100
	100	R	BQD, CQD	2,3	15-30	277/480
	200	T, J	BQD, CQD	2, 3	15-30	277/480

<sup>1</sup> The branch breakers for these series combinations are only applicable when installed in Siemens Series 7A, P1, P2, P3, S2 and S3 panelboards.

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Siemens Industry, Inc.  
5400 Triangle Parkway  
Norcross, GA 30092

For more information, please contact  
our Customer Support Center.

Phone: 1-866-663-7324

E-mail: [info.us@siemens.com](mailto:info.us@siemens.com)

**[usa.siemens.com/circuitbreakers](http://usa.siemens.com/circuitbreakers)**

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