

PRINTING INSTRUCTIONS

The following pages are set up as printer spreads in the center of an 8.5X11 page. Each page will print with center and crop marks. In addition, page one will have a gray trim border and two gray lines (when folded) to show staple areas. Each document page prints front and back. Eg. Page 1 prints

with Page 2 and Page 3 prints with Page 4 and so on. You will have a total of four 8.5X11 sheets printed front to back. Place in order and fold sheets in half, staple on gray lines and trim on gray border. Final size will be 4½X6”.

480V FUSE SERIES RATINGS

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amperes	Type	P	Max. Amperes
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 1	15-50
	T, J	70-600 (2,3P)	FD6-A, FXD6	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
			LXD6-A, HLD6	2,3	450-600
	T	70-1200 (2,3P)	HFD6, HFXD6	2,3	70-250
	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	2,3	500-800
HMD6, HMX ND6, NXD6 HND6, HNXD			2,3	500-1200	
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*

\*BQD and CQD breakers are series rated from 15-100A for Series 7A, P1, P2, P3, S2 and S3 panelboard applications only.

SENTRON® 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 indicated on the equipment.

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

PBTA-00101B-0104  
(Supersedes PBTA-00101-0699)  
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**480V SERIES RATINGS**

Series Rating	Main Breaker		Branch Breaker		
	Type	Max. Amperes	Type	P	Max. Amperes
65,000	HLD6-A HLXD6	600 (2,3P)	JD6-A, JXD6-A	2,3	200-400
			ED4, HED4	1	15-100
			FD6-A, FXD6-A	2,3	70-250
			JD6-A, JXD6-A	2,3	200-400
			LD6-A	2,3	200-600
			LXD6-A	2,3	450-600
	HMD6, HMXD6	800 (2,3P)	FD6-A, FXD6-A	2,3	70-250
			JD6-A, JXD6-A	2,3	200-400
			LD6-A	2,3	200-600
			LXD6-A	2,3	450-600
	HND6, HNXD6	1200 (2,3P)	FD6-A, FXD6-A	2,3	70-250
			JD6-A, JXD6-A	2,3	200-400
			LD6-A	2,3	200-600
			LXD6-A	2,3	450-600
	HPD6, HPXD6	14-1600 (3P)	FD6-A, FXD6-A	2,3	70-250
			MD6, MXD6, SMD6	2,3	500-800
	HRD6, HRXD6	18-2000 (3P)	FD6-A, FXD6-A	2,3	70-250
			JD6-A, JXD6-A	2,3	200-400
LD6-A			2,3	200-600	
LXD6-A			2,3	450-600	
100,000	CFD6	250 (2,3P)	BED, CQD*	1 2,3	15-100 15-30
	HHJXD6, HHJD6, HHLD6, HHLXD6	600 (2,3P)	ED4, ED6, HED4, HED6	1	15-100
			HFD6, HFXD6	2,3	70-250
	CMD6	800 (3P)	FD6-A, FXD6-A	2,3	70-250
			HFD6-A, HFXD6-A	2,3	200-400
			JD6-A, HJD6-A, JXD6-A, HJXD6-A	2,3	200-400
			LD6-A, HLD6-A	2,3	200-600
			LXD6-A, HLXD6-A	2,3	450-600
	SCMD, SCND6	1200 (3P)	HFD6, HFXD6	2,3	70-250
			CND6	2,3	70-250

**240V SERIES RATINGS**

Series Rating	Main Breaker		Branch Breaker			
	Type	Max. Amperes	Type	P	Max. Amperes	
42,000	(continued)		QJH2	2,3	60-225	
65,000	HQP, HBQ, HBL	70 (1P) 125 (2P) 100 (3P)	QP, BQ, BL, QPH, BQH, BLH	1 2 3	15-70 15-125 15-100	
			QPF, BQF, BLF, BE, QPHF, BQHF, BLHF, QEH, BLEH, QE, BLE	1	15-30	
			QEH, BLEH, QE, QPHF, BLHF, BLE, QPF, BLF	2	15-60	
			QT	1,2	15-40	
			QG, BG, BLG	1,2	15-30	
			QAF, BAF, QAFH, BAFH	1	15-20	
	HQPP	225 (2P)	QP, BQ, BL, QPH, BQH, BLH	1 2	15-70 15-125	
			QPF, BQF, BLF, QPHF, BQHF, BLHF, QEH, BLEH, QE BLE, BE	1	15-30	
			QEH, BLEH, QE, QPHF, BLHF, BLE, QPF, BLF	2	15-60	
			QT	1,2	15-40	
			QPPH, QPP	2	125-200	
			QAF, BAF, QAFH, BAFH	1	15-20	
ED4, ED6	100 (1P) 125 (2,3P)	QP, BQ, BL QPH, BQH, BLH	1 2 3	15-70 15-125 15-100		
		QPHF, BQHF, BLHF QPF, BQF, BLF, QE, QEH, BLEH, BE, BLE	1	15-30		
		QEH, BLEH, QE, QPHF, BLHF, BLE, QPF, BLF	2	15-60		
		ED2	1,2,3	15-100		
		QT	1,2	15-40		
		QAF, BAF, QAFH, BAFH	1	15-20		
		FD6-A, FXD6-A	250 (2,3P)	QP, BQ, BL QPH, BQH, BLH	1 2	15-70 15-125



### 240V FUSE SERIES RATINGS

Series Rating	Main Fuse		Branch Breaker		
	Type	Max. Amperes	Type	P	Max. Amperes
100,000	L	601-6000 (2,3P)	ED4, HED4	1	15-100
			ED4, ED6, HED4, HED6	2,3	15-125
			FD6-A, FXD6-A	2,3	70-250
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	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
			200,000	R	125-200 (2,3P)
T, J	125-600 (2,3P)	QJH2, QJ2H		2,3	125-225
	125-400 (2,3P)	QJ2		2,3	125-225
J, R	70-600 (2,3P)	HFD6, HFXD6		2,3	70-250
T	70-1200	HFD6, HFXD6		2,3	70-250
L	601-6000 (2,3P)	HFD6, HFXD6		2,3	70-250
		MD6, MXD6, HMD6, HMXD6		2,3	500-800
		ND6, NXD6, HND6, HNXD6	2,3	500-1200	

### 240V SERIES RATINGS

Series Rating	Main Breaker		Branch Breaker				
	Type	Max. Amperes	Type	P	Max. Amperes		
100,000	HQPPH	225 (2P)	QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	1	15-70		
			HQPP, QPPH, QPPP	2	15-125		
			QEH, BLEH, QE, BE, QPHF, BQHF, BLHF, QPF, BQF, BLF, BLE	1	15-30		
			QE, QEH, BLEH, QPHF, BLHF, QPF, BLF, BLE	2	15-60		
			QT	1,2	15-40		
			QAF, BAF, QAFH, BAFH	1	15-20		
			HQJ2H	225 (2,3P)	QP, BP, QL	1	15-25
						2	35-70
						3	15-25
			HFD6, HFXD6	250 (2,3P)	QP, BQ, BL, QPH, BQH, BLH, HQP, HBQ, HBL	1	15-25
						2	35-70
						3	15-100
	HFD6, HFXD6	250 (2,3P)	QE, BE, BLE, QPHF, BQHF, BLHF, QPF, BQF, BLF, BLE	1	15-20		
				1	15-30		
				2	15-60		
HFD6, HFXD6	250 (2,3P)	QE, BE, BLE, QPHF, BQHF, BLHF, QPF, BQF, BLF, BLE	1	15-50			
			1	15-70			
			2	15-125			
HFD6, HFXD6	250 (2,3P)	QE, BE, BLE, QPHF, BQHF, BLHF, QPF, BQF, BLF, BLE	1	15-100			
			1	15-30			
			1	15-30			

Series Rating	Main Fuse		Branch Breaker	
	Type	Max. Amperes	Type	Max. Amperes
65,000	J, R	15-600 (1, 2, 3P)	QPH, BQH, BLH	1, 2, 3
	T	15-1200 (1, 2, 3P)	QPH, BQH, BLH	1, 2, 3
	L	601-6000 (1, 2, 3P)	QPH, BQH, BLH	1, 2, 3
	T	15-200 (1, 2, 3P)	QP, BQ, BL	1, 2, 3
			HQP, HBQ, HBL	
			QPH, BQH, BLH	
			QPH, BQH, BLH, QE, BE, BLE, QEH,	
			QPH, BQH, QEH, QPH, BQH, BLE, QEH, BQHF	
			QPH, BLEH, QE, QPH, BLEH, BLE, QPH, BLE, QAFH, QAF, BAF, QAFH,	
			BAFH	
			QPH, BQH, BLH, HBL	
			QPH, BQH, HBL	
100,000 (300V)	J, R	15-600 (2, 3P)	ED4, HED4	1
			ED4, ED6, HED4, HED6	
			FD6-A, FXD6-A	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
			300-600 (3P)	
			SLD6-A	
			300-600 (2, 3P)	
			LXD6-A	
			15-1200 (2, 3P)	
			ED4, HED4	
			ED4, ED6	
100,000	J, R	15-600 (1, 2, 3P)	QPH, BQH, BLH	1, 2, 3
			QPH, BQH, BLH, QE, BE, BLE, QEH,	
			QPH, BQH, BLE, QPH, BLEH, QE, QPH, BLE, QAFH, QAF, BAF, QAFH,	
			BAFH	
			QPH, BQH, BLH, HBL	
			QPH, BQH, BLH	
			QPH, BQH, BLH, QE, BE, BLE, QEH,	
			QPH, BQH, BLE, QPH, BLEH, QE, QPH, BLE, QAFH, QAF, BAF, QAFH,	
			BAFH	
			QPH, BQH, BLH, HBL	
			QPH, BQH, BLH	
			QPH, BQH, BLH, QE, BE, BLE, QEH,	
100,000 T	J, R	15-600 (2, 3P)	ED4, HED4	1
			ED4, ED6, HED4, HED6	
			FD6-A, FXD6-A	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
			300-600 (3P)	
			SLD6-A	
			300-600 (2, 3P)	
			LXD6-A	
			15-1200 (2, 3P)	
			ED4, HED4	
			ED4, ED6	
100,000	J, R	15-600 (1, 2, 3P)	QPH, BQH, BLH	1, 2, 3
			QPH, BQH, BLH, QE, BE, BLE, QEH,	
			QPH, BQH, BLE, QPH, BLEH, QE, QPH, BLE, QAFH, QAF, BAF, QAFH,	
			BAFH	
			QPH, BQH, BLH, HBL	
			QPH, BQH, BLH	
			QPH, BQH, BLH, QE, BE, BLE, QEH,	
			QPH, BQH, BLE, QPH, BLEH, QE, QPH, BLE, QAFH, QAF, BAF, QAFH,	
			BAFH	
			QPH, BQH, BLH, HBL	
			QPH, BQH, BLH	
			QPH, BQH, BLH, QE, BE, BLE, QEH,	

240V FUSE SERIES RATINGS

Series Rating	Main Breaker		Branch Breaker	
	Type	Max. Amperes	Type	Max. Amperes
100,000 (continued)	J, R	15-600 (1, 2, 3P)	QPF, BLF, QE, BLE, QPH, BLHF, QEH, BLEH	2
			QAF, BAF, QAFH, BAFH	
			ED4	
			ED4, ED6	
			FD6-A, FXD6-A	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
			200-400	
			200-400	
			200-400	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
600 (2, 3P)	J, R	15-100 (1, 2, 3P)	ED4, ED6	2, 3
			ED4, ED6	
			FD6-A, FXD6-A	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
			200-600	
			450-600	
			300-600	
			SLD6-A	
			ND6, NXD6, SLD6-A	
			500-1200	
			ED4	
800 (2, 3P)	J, R	15-100 (1, 2, 3P)	ED4, ED6	2, 3
			ED4, ED6	
			FD6-A, FXD6-A	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
			200-400	
			450-600	
			300-600	
			SLD6-A	
			ND6, NXD6, SLD6-A	
			500-1200	
			ED4	
1200 (2, 3P)	J, R	15-100 (1, 2, 3P)	ED4, ED6	2, 3
			ED4, ED6	
			FD6-A, FXD6-A	
			JD6-A, JXD6-A, JXD2-A, SJD6-A	
			LD6-A	
			200-400	
			450-600	
			300-600	
			SLD6-A	
			MD6, MXD6, SLD6-A	
			500-800	
			ED4	
SHND6, HNXD6, HMD6, SHMD6	J, R	15-100 (1, 2, 3P)	ED4, EF6	2, 3
			ED4, EF6	
			FD6-A, FXD6-A	
			SHND6, HNXD6, HMD6, SHMD6	
			1200	
			15-100	
			15-125	
			70-250	

240V SERIES RATINGS

**240V SERIES RATINGS**

Series Rating	Main Breaker		Branch Breaker		
	Type	Max. Amperes	Type	P	Max. Amperes
200,000	(continued) SCND6	1200 (3P)	HND6, HNXD6	2,3	500-1200
			MD6, HMD6, HMXD6, MXD6, MXD6, SHMD6, SMD6	2,3	500-800
			ND6, HND6, SHND6, NXD6, HNXD6, SND6	2,3	500-1200
	CPD6	1600 (3P)	FD6-A, FXD6-A, HFD6, HFXD6	2,3	70-250
			JXD2-A, JD6-A, JXD6-A, HJD6-A, HJXD6-A	2,3	200-400
			LD6-A, HLD6-A	2,3	200-600
			LXD6-A, HLXD6-A	2,3	450-600
			MD6, MXD6, HMD6, HMXD6	2,3	500-800
			ND6, NXD6, SND6, HND6, HNXD6	2,3	500-1200

**240V SERIES RATINGS**

Series Rating	Main Breaker		Branch Breaker				
	Type	Max. Amperes	Type	P	Max. Amperes		
100,000	(continued)	1600 (3P)	JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400		
			LD6-A	2,3	200-600		
			LXD6-A	2,3	450-600		
			SLD6-A	3	300-600		
			MD6, MXD6, SMD6	2,3	500-800		
			ND6, NXD6, SND6	2,3	500-1200		
			HPD6, HPXD6, SHPD	1	15-100		
			ED4, ED6	2,3	15-125		
			FD6-A, FXD6-A	2,3	70-250		
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400		
			LD6-A	2,3	200-600		
			LXD6-A	2,3	450-600		
			SLD6-A	3	300-600		
			MD6, MXD6, SMD6	2,3	500-800		
			ND6, NXD6, SND6	2,3	500-1200		
	HRD6, HRXD6	2000 (3P)	PD6, PXD6, SPD6	2,3	1200-1600		
			ED4	1	15-100		
			ED4, ED6	2,3	15-125		
			FD6-A, FXD6-A	2,3	70-250		
			JD6-A, JXD6-A, JXD2-A, SJD6-A	2,3	200-400		
			LD6-A	2,3	200-600		
			LXD6-A	2,3	450-600		
			SLD6-A	3	300-600		
			MD6, MXD6, SMD6	2,3	500-800		
			ND6, NXD6, SND6	2,3	500-1200		
			PD6, PXD6, SPD6	2,3	1200-1600		
			RD6, RXD6	2,3	1600-2000		
			CED6	125 (2,3P)	QP, BQ, BL	1	15-70
					QPH, BQH, BLH, HQP, HBQ, HBL	2	15-125
						3	15-100
					QPHF, BQHf, BLHF, QPF, BQF, BLF, QEH	1	15-30

