

Circuit breaker selective coordination tables

Contents

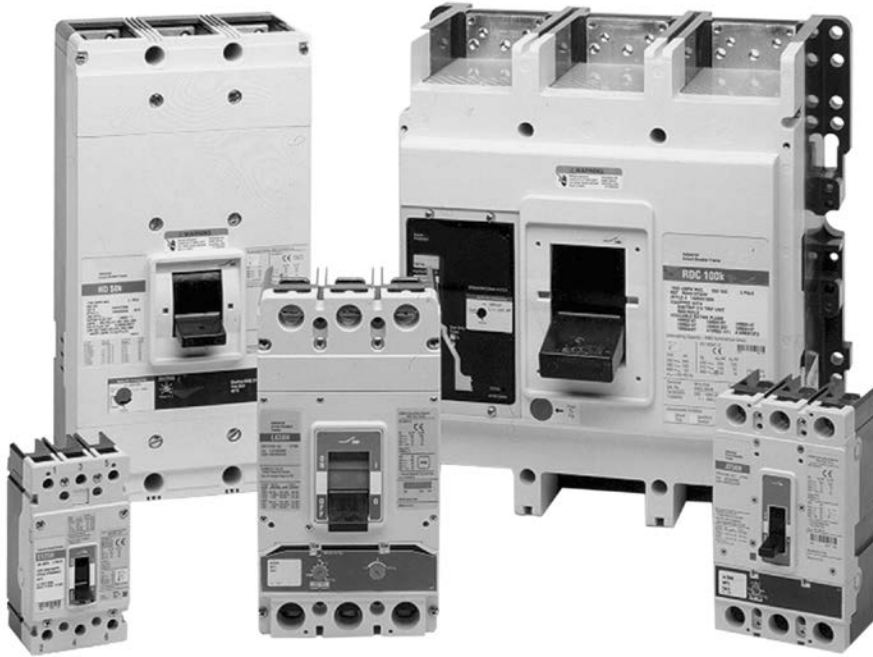
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Powering Business Worldwide

Revisions

[illegible]



Introduction

In order to apply circuit breakers to meet selective coordination requirements, Eaton provides the following guide to easily select breakers for various fault current values at the load side circuit breaker. Two sets of data for molded case line side to molded case load side breakers are included: manufacturer's tested values for total coordination and time current curve data for coordination at 0.1 to 1000 seconds. For low-voltage power circuit breakers to molded-case circuit breakers (MCCB), coordination values are derived from time current curves with instantaneous in OFF position for power circuit breaker. The required level of coordination will be determined by the prevailing electrical code and the local authority having jurisdiction.

Eaton's test method is both known and reasonable, and follows the test circuit guidelines described by UL® 489. More details can be found in selective coordination document IA01200001E. Also, a separate publication, IA01400001E, is available for the selection of circuit breakers for lighting and power panelboards in selective coordination applications.

This guide is applicable to Eaton, Cutler-Hammer, Westinghouse, and Challenger breakers of the same nomenclature.

The following additional resources are available on www.eaton.com/selectivecoordination

- Selective Coordination White Paper, Publication Number IA01200001E, May 2006
- Engineer's Guide to Selective Coordination, Publication Number IA08304002E, December 2008
- Optimum Safety, Reliability and Electrical System Performance Through Balanced Selective Coordination Page and Protection, Publication Number TP01200001E, June 2006
- Selective Coordination Calculator, Publication Number AP01200003E, updated September 2007

**Steps in determining selective coordination between
line and load side circuit breakers**

1. Determine the maximum available fault current from all sources, at both the line and load side breakers, by means of a short circuit study, appropriate charts and/or formulas. Where both line and load breakers are connected to the same bus, this will be the same value.
2. Select the load side Eaton model breaker that has adequate Interrupting Capacity (IC) at the applied voltage for the maximum available fault current and adequate continuous amperage frame size and trip size for the load application from **Table 11** through **Table 16**.
3. Determine if total selective coordination is desired or if selective coordination above 0.1 s is practicable. Refer to **Table 1** (Power Defense™) or **Table 2** (Series C/G only) for 480 Vac and below and **Table 3** (Power Defense) or **Table 4** (Series C/G only) for 600 Vac for manufacturer test data for total selective coordination. Refer to **Table 8 through Table 10** for power circuit breakers. Refer to **Table 5** for selective coordination greater than 0.1 s. Find the load side breaker defined in **Step 2** in the appropriate **Table 1 through Table 7**. If the required load trip rating is not shown in the table, use the row for the next larger rating shown.
4. Move horizontally from the selected load breaker trip rating to the first value of symmetrical rms fault current that meets or exceeds the value of rms fault current at the load side breaker as determined from **Step 1**.
5. Proceed upward to read the possible line side breaker frame and check the trip rating or trip range indicated to ensure it meets the required line side breaker trip rating. If the trip rating meets the requirements, this will be one of the possible line side breakers that will selectively coordinate with the load side breaker. If the indicated trip rating or trip range does not meet the requirements for the line side breaker, repeat **Step 4** and **Step 5**.

Check all load side breakers that may be in an assembly, such as a panelboard or switchboard, that is fed by the same line side breaker to ensure that they selectively coordinate.

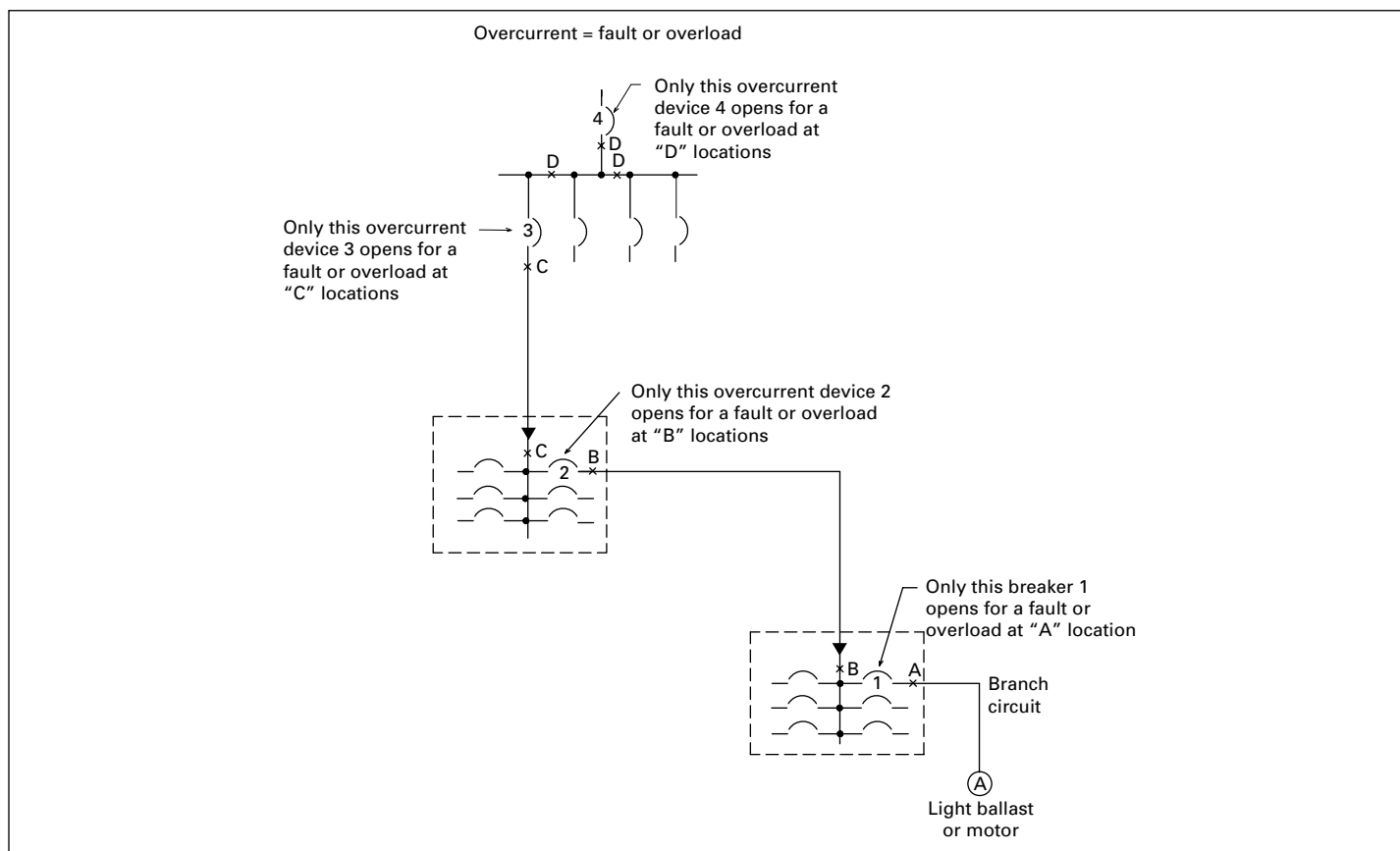


Figure 1. Selective coordination molded case circuit breakers

Examples

Data: A 208Y/120 V branch panelboard consisting of main lugs only and 40–20 A / trip, single-pole breakers and 1 A to 35 A trip two-pole breaker is located 113 feet away from the 225 A / trip feeder breaker supplying the panelboard through 1–4/0 copper conductor in metallic conduit per phase and neutral. There is 67,000 A rms available at the 225 A / trip breaker.

Solution:

Step 1: Utilize Eaton website calculator or other means to determine the short circuit current at the branch panelboard. When utilizing the Eaton calculator, select system voltage of 208Y/120 V; enter 67,000 starting amperes into the RED box of the calculator. Select copper conductors in metallic raceway, conductor size of 4/0 and length of 113 feet and one conductor per phase. The calculator yields 10,968 A rms symmetrical of available fault current at the load side breakers in the branch panelboard.

Step 2: First determine the model of the load side breaker from **Table 11** through **Table 16**, which has an interrupting capacity greater than or equal to the available fault current of 10,968 A and of a bolt-on type because they are used in a panelboard. The first breaker model meeting this criteria is a “QBHW.”

Step 3: Utilizing **Table 2**, find the row for the QBHW breaker having a trip rating of 35 A. Since this is NOT shown in the table, go to the next larger trip of 40 A. Move horizontally to find the minimum value that exceeds 10,968 A. Proceeding horizontally across the page, stop at the value of 14.4 kA (14,400 A). Proceeding up the column, find the heading of LG family of breakers having ETU with an available trip unit range of 160 A to 400 A. Because the required trip unit of 225 falls within this range, the LG family of breakers is suitable to provide selective coordination with the QBHW breaker.

Example from Table 11 ①

Circuit breaker type	Circuit breaker type code	Continuous ampere rating at 40 °C	Number of poles	AC volts	Federal specification W-C-375b	UL listed interrupting ratings (rms symmetrical amperes)		
						AC ratings volts		
						120	120/240	240
QBHW	Bolt-on	15–70	1	120/240	—	—	22,000	—
QBHW	Bolt-on	15–125	2	120/240	—	—	22,000	—
QBHW	Bolt-on	15–100	2, 3	240	—	—	—	22,000

① Use **Table 11** on **page 59** for QBHW ratings.

Example from Table 2 ①

Load side breaker— indicates the frame family and amperage range of the load side molded-case circuit breaker		Breaker family— indicates line side molded-case breaker frame family to selectively coordinate with the load side breaker		Type trip unit—indicates the type of the trip unit. T/M = Thermal Magnetic Trip ETU = Electronic Trip Unit										Minimum trip—indicates the minimum available amperage rating for a specific breaker family on the line side		Maximum trip—indicates the maximum available amperage rating for a specific breaker family on the line side	
Load side breaker	Breaker family type trip unit minimum trip maximum trip	Line Side Breaker															
		LG ETU 100 A 250 A	LG ETU 160 A 400 A	LG ETU 250 A 600 A	LG T/M 630 A	N ETU 150 A	N ETU 400 A 400 A	N ETU 400 A 600 A	N ETU 400 A 800 A	N ETU 600 A 1200 A	R ETU 800 A 800 A	R ETU 800 A 1000 A	R ETU 800 A 1200 A	R ETU 800 A 1600 A	R ETU 1000 A 2000 A		
BRH, QPHW, QBHW, and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)																	
15	10	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22		
20	9.0	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22		
30	9.0	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22		
40	7.5	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22		
50	7.5	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22		

① Use **Table 1–Table 4** for MCCB to MCCB selective coordination.

Step 4: Utilizing **Table 13**, go to the LG family and select a model number which has at least 67,000 A interrupting capacity at 208 V (240 V) or the LGS model.

Step 5: Check to ensure the other breakers, 20 A, single-pole breakers selectively coordinate with the selected LG family of breakers by repeating **Steps 3** and **4**.

Note: An alternate for **Step 3** is to utilize the Eaton calculator as follows:

- For load side breaker, select a type QBHW having the appropriate 40 A trip.
- Starting at a family of line side breakers equal to or greater than 225 A, verify if selective coordination is achieved. If not, continue to select larger family of breakers until the calculator indicates the resulting combination is selectively coordinated.

Table 1. Power Defense selective coordination combinations at 480 Vac or less

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																				
		PDG1xC (F)(G)(K) (M)(N)(P)	PDG2xF(G)(K)(M) (N)(P) T/M				PDG2xF(G)(K)(M)(N)(P) PXR				JD T/M		PDG3xF(G)(K)(M) T/M									
		Minimum trip	125	100	150	225	15	32	50	80	70	150	250	100	200	300	400	H250	H300	H350	H400	600
	Maximum trip	125	100	200	225	60	100	150	225	125	225	250	175	250	350	400	H250	H300	H350	H400	600	
MCBs—BR, BAB, HQP and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and three-pole breakers)																						
15		1.2	1.0	1.5	2.2	0.6	0.6	1.2	2.3	1.0	2.1	4.0	2.5	2.5	5.0	10.0	—	—	—	—	10.0	
20		1.2	1.0	1.5	2.2	0.6	0.6	1.2	2.3	1.0	2.1	3.4	2.0	2.0	4.0	8.0	—	—	—	—	10.0	
30		1.2	1.0	1.5	2.2	0.6	0.6	1.2	2.3	0.7	2.1	3.4	2.0	2.0	4.0	8.0	—	—	—	—	10.0	
40		0.8	1.0	1.5	2.2	0.6	0.6	1.2	2.3	—	1.5	3.4	1.2	1.2	3.0	6.0	—	—	—	—	10.0	
50		0.8	—	1.5	2.2	—	—	1.2	2.3	—	1.5	2.5	1.2	1.2	3.0	6.0	—	—	—	—	10.0	
60		0.8	—	1.5	2.2	—	—	1.2	2.3	—	1.5	2.5	—	—	3.0	6.0	—	—	—	—	10.0	
70		—	—	1.5	2.2	—	—	1.2	2.3	—	1.5	2.5	—	—	2.5	5.0	—	—	—	—	10.0	
80		—	—	—	2.2	—	—	—	2.3	—	—	2.5	—	—	2.5	5.0	—	—	—	—	10.0	
90		—	—	—	2.2	—	—	—	2.3	—	—	2.3	—	—	2.5	5.0	—	—	—	—	10.0	
100		—	—	—	1.8	—	—	—	2.3	—	—	2.3	—	—	2.5	5.0	—	—	—	—	10.0	
125		—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	4.2	—	—	—	—	10.0	
150		—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.2	—	—	—	—	10.0	
MCBs—BRH, QPHW, QBHW and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and three-pole breakers)																						
15		1.2	1.0	1.5	2.2	0.6	0.6	1.2	2.3	1.0	2.1	4.0	2.5	2.5	5.0	10.0	—	—	—	—	22.0	
20		1.2	1.0	1.5	2.2	0.6	0.6	1.2	2.3	1.0	2.1	3.4	2.0	2.0	4.0	8.0	—	—	—	—	22.0	
30		1.2	1.0	1.5	2.2	0.6	0.6	1.2	2.3	0.7	2.1	3.4	2.0	2.0	4.0	8.0	—	—	—	—	22.0	
40		0.8	1.0	1.5	2.2	0.6	0.6	1.2	2.3	—	1.5	3.4	1.2	1.2	3.0	6.0	—	—	—	—	22.0	
50		0.8	—	1.5	2.2	—	—	1.2	2.3	—	1.5	2.5	1.2	1.2	3.0	6.0	—	—	—	—	22.0	
60		0.8	—	1.5	2.2	—	—	1.2	2.3	—	1.5	2.5	—	—	3.0	6.0	—	—	—	—	22.0	
70		—	—	1.5	2.2	—	—	1.2	2.3	—	1.5	2.5	—	—	2.5	5.0	—	—	—	—	22.0	
80		—	—	—	2.2	—	—	—	2.3	—	—	2.5	—	—	2.5	5.0	—	—	—	—	22.0	
90		—	—	—	2.2	—	—	—	2.3	—	—	2.3	—	—	2.5	5.0	—	—	—	—	22.0	
100		—	—	—	1.8	—	—	—	2.3	—	—	2.3	—	—	2.5	5.0	—	—	—	—	22.0	
125		—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	4.2	—	—	—	—	18.0	
150		—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.2	—	—	—	—	18.0	
GHB—T/M																						
20		1.2	1.0	1.5	2.2	0.8	0.8	1.6	2.3	0.7	1.5	2.5	2.0	2.0	2.7	4.5	—	—	—	—	12.7	
30		1.2	1.0	1.5	2.2	0.8	0.8	1.6	2.3	0.7	1.5	2.5	2.0	2.0	2.7	4.5	—	—	—	—	12.7	
50		1.2	1.0	1.5	2.2	—	—	1.6	2.3	—	1.5	2.3	1.6	1.6	2.7	4.2	—	—	—	—	10.0	
70		—	—	—	2.2	—	—	—	2.3	—	—	2.3	—	—	2.5	4.2	—	—	—	—	10.0	
100		—	—	—	1.8	—	—	—	1.8	—	—	2.3	—	—	2.5	4.2	—	—	—	—	10.0	
PDG1xC(F)(G)(K)—T/M																						
15		1.3	1.0	1.5	2.2	0.8	0.8	1.6	2.3	1.0	1.5	2.5	2.0	2.0	2.5	5.6	—	—	—	—	65.0	
30		1.3	1.0	1.5	2.2	0.8	0.8	1.6	2.3	0.7	1.5	2.5	2.0	2.0	2.5	5.6	—	—	—	—	35.0	
50		1.3	1.0	1.5	1.8	0.8	0.8	1.6	2.3	—	1.5	2.3	1.6	1.6	2.5	5.2	—	—	—	—	18.0	
60		1.3	—	1.5	1.8	—	—	1.6	2.3	—	1.5	2.3	—	—	2.5	5.2	—	—	—	—	18.0	
100		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	2.5	5.2	—	—	—	—	18.0	
125		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	—	5.2	—	—	—	—	10.0	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																				
		PDG3xN(P) T/M										PDG3xF(G)(K)(M) PXR						PDG3xN(P) PXR				
	Minimum trip	100	200	300	400	H250	H300	H350	H400	600	45	90	160	90	160	250	45	90	160	90	160	250
Maximum trip	175	250	350	400	H250	H300	H350	H400	600	125	250	400	H250	H400	600	125	250	400	H250	H400	600	
MCBs—BR, BAB, HQP and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and three-pole breakers)																						
15		—	—	—	—	—	—	—	—	—	3.0	6.0	10.0	10.0	10.0	10.0	—	—	—	—	—	—
20		—	—	—	—	—	—	—	—	—	2.5	5.0	8.0	9.0	10.0	10.0	—	—	—	—	—	—
30		—	—	—	—	—	—	—	—	—	2.5	5.0	8.0	9.0	10.0	10.0	—	—	—	—	—	—
40		—	—	—	—	—	—	—	—	—	1.5	4.0	6.0	7.5	10.0	10.0	—	—	—	—	—	—
50		—	—	—	—	—	—	—	—	—	1.5	4.0	6.0	7.5	10.0	10.0	—	—	—	—	—	—
60		—	—	—	—	—	—	—	—	—	1.5	4.0	6.0	7.5	10.0	10.0	—	—	—	—	—	—
70		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	10.0	10.0	—	—	—	—	—	—
80		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	10.0	10.0	—	—	—	—	—	—
90		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	10.0	10.0	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	10.0	10.0	—	—	—	—	—	—
125		—	—	—	—	—	—	—	—	—	—	3.0	4.2	7.5	10.0	10.0	—	—	—	—	—	—
150		—	—	—	—	—	—	—	—	—	—	—	4.2	7.5	10.0	10.0	—	—	—	—	—	—
MCBs—BRH, QPHW, QBHW and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and three-pole breakers)																						
15		—	—	—	—	—	—	—	—	—	3.0	6.0	10.0	10.0	14.4	22.0	—	—	—	—	—	—
20		—	—	—	—	—	—	—	—	—	2.5	5.0	8.0	9.0	14.4	22.0	—	—	—	—	—	—
30		—	—	—	—	—	—	—	—	—	2.5	5.0	8.0	9.0	14.4	22.0	—	—	—	—	—	—
40		—	—	—	—	—	—	—	—	—	1.5	4.0	6.0	7.5	14.4	22.0	—	—	—	—	—	—
50		—	—	—	—	—	—	—	—	—	1.5	4.0	6.0	7.5	14.4	22.0	—	—	—	—	—	—
60		—	—	—	—	—	—	—	—	—	1.5	4.0	6.0	7.5	12.0	18.0	—	—	—	—	—	—
70		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	12.0	18.0	—	—	—	—	—	—
80		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	12.0	18.0	—	—	—	—	—	—
90		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	12.0	18.0	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	—	—	3.0	5.0	7.5	12.0	18.0	—	—	—	—	—	—
125		—	—	—	—	—	—	—	—	—	—	3.0	4.2	7.5	12.0	18.0	—	—	—	—	—	—
150		—	—	—	—	—	—	—	—	—	—	—	4.2	7.5	12.0	18.0	—	—	—	—	—	—
GHB—T/M																						
20		—	—	—	—	—	—	—	—	—	2.7	4.0	4.5	4.0	7.4	10.0	—	—	—	—	—	—
30		—	—	—	—	—	—	—	—	—	2.7	4.0	4.5	4.0	7.4	10.0	—	—	—	—	—	—
50		—	—	—	—	—	—	—	—	—	2.7	3.6	4.2	3.6	7.4	10.0	—	—	—	—	—	—
70		—	—	—	—	—	—	—	—	—	—	3.6	4.2	3.6	7.4	10.0	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	—	—	3.6	4.2	3.6	7.4	10.0	—	—	—	—	—	—
PDG1xC(F)(G)(K)—T/M																						
15		—	—	—	—	—	—	—	—	—	2.5	5.6	5.6	35.0	35.0	35.0	—	—	—	—	—	—
30		—	—	—	—	—	—	—	—	—	2.5	5.6	5.6	35.0	35.0	35.0	—	—	—	—	—	—
50		—	—	—	—	—	—	—	—	—	2.5	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
60		—	—	—	—	—	—	—	—	—	2.5	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	16.5	—	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
125		—	—	—	—	—	—	—	—	16.5	—	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
EG family—T/M																						
15		—	—	—	—	—	—	—	—	—	2.5	5.6	5.6	35.0	35.0	35.0	—	—	—	—	—	—
30		—	—	—	—	—	—	—	—	—	2.5	5.6	5.6	35.0	35.0	35.0	—	—	—	—	—	—
50		—	—	—	—	—	—	—	—	—	2.5	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
60		—	—	—	—	—	—	—	—	—	2.5	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	16.5	—	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—
125		—	—	—	—	—	—	—	—	16.5	—	5.2	5.2	18.0	18.0	18.0	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)											
		PDG4xG(K)(M) T/M				PDG4xG(K)(M) PXR	PDG5xK(M)(N)(P) PXR		PDJ5xM PXR	PDG6xM(N)(P) PXR			
		Minimum trip	300	400	600	700	320	320	500	H150	700	1000	1600
	Maximum trip	350	500	600	800	800	800	1200	H400	1600	2000	2500	
MCBs—BR, BAB, HQP and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and three-pole breakers)													
15		10.0	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
20		9.0	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
30		9.0	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
40		7.5	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
50		7.5	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
60		7.5	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
70		7.5	10.0	10.0	10.0	10.0		10.0	10.0	10.0	10.0	10.0	10.0
80		7.5	10.0	10.0	10.0	10.0		10.0	10.0	—	10.0	10.0	10.0
90		7.5	10.0	10.0	10.0	10.0		10.0	10.0	—	10.0	10.0	10.0
100		7.5	10.0	10.0	10.0	10.0		10.0	10.0	—	10.0	10.0	10.0
125		7.5	10.0	10.0	10.0	10.0		10.0	10.0	—	10.0	10.0	10.0
150		7.5	10.0	10.0	10.0	10.0		10.0	10.0	—	10.0	10.0	10.0
MCBs—BRH, QPHW, QBHW and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and three-pole breakers)													
15		10.0	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
20		9.0	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
30		9.0	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
40		7.5	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
50		7.5	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
60		7.5	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
70		7.5	10.0	22.0	22.0	22.0		22.0	22.0	22.0	22.0	22.0	22.0
80		7.5	10.0	22.0	22.0	22.0		22.0	22.0	—	22.0	22.0	22.0
90		7.5	10.0	22.0	22.0	22.0		22.0	22.0	—	22.0	22.0	22.0
100		7.5	10.0	22.0	22.0	22.0		22.0	22.0	—	22.0	22.0	22.0
125		7.5	10.0	18.0	18.0	18.0		22.0	22.0	—	22.0	22.0	22.0
150		7.5	10.0	18.0	18.0	18.0		22.0	22.0	—	22.0	22.0	22.0
GHB—T/M													
20		10.0	10.0	15.0	15.0	15.0		65/14	65/14	14.0	65/14	65/14	65/14
30		10.0	10.0	15.0	15.0	15.0		65/14	65/14	14.0	65/14	65/14	65/14
50		10.0	10.0	12.0	12.0	12.0		65/14	65/14	14.0	65/14	65/14	65/14
70		7.4	7.4	12.0	12.0	12.0		65/14	65/14	—	65/14	65/14	65/14
100		7.4	7.4	12.0	12.0	12.0		65/14	65/14	—	65/14	65/14	65/14
PDG1xC(F)(G)(K)—T/M													
15		20.0	20.0	35.0	35.0	35.0		65.0	65.0	35.0	65.0	65.0	65.0
30		15.0	15.0	35.0	35.0	35.0		65.0	65.0	35.0	65.0	65.0	65.0
50		10.0	10.0	18.0	18.0	18.0		42.0	42.0	35.0	65.0	65.0	65.0
60		10.0	10.0	18.0	18.0	18.0		42.0	42.0	35.0	65.0	65.0	65.0
100		10.0	10.0	18.0	18.0	18.0		35.0	35.0	35.0	65.0	65.0	65.0
125		10.0	10.0	18.0	18.0	18.0		35.0	35.0	35.0	65.0	65.0	65.0
EGxB(E)(S)—T/M													
15		20.0	20.0	35.0	35.0	35.0		65.0	65.0	35.0	65.0	65.0	65.0
30		15.0	15.0	35.0	35.0	35.0		65.0	65.0	35.0	65.0	65.0	65.0
50		10.0	10.0	18.0	18.0	18.0		42.0	42.0	35.0	65.0	65.0	65.0
60		10.0	10.0	18.0	18.0	18.0		42.0	42.0	35.0	65.0	65.0	65.0
100		10.0	10.0	18.0	18.0	18.0		35.0	35.0	35.0	65.0	65.0	65.0
125		10.0	10.0	18.0	18.0	18.0		35.0	35.0	35.0	65.0	65.0	65.0

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																			
		PDG1xC (F)(G)(K) (M)(N)(P)	PDG2xF(G)(K)(M) (N)(P) T/M				PDG2xF(G)(K)(M)(N)(P) PXR				JD T/M			PDG3xF(G)(K)(M) T/M							
		125	100	150	225	15	32	50	80	70	150	250	100	200	300	400	H250	H300	H350	H400	600
	Minimum trip	125	100	200	225	60	100	150	225	125	225	250	175	250	350	400	H250	H300	H350	H400	600
	Maximum trip	125	100	200	225	60	100	150	225	125	225	250	175	250	350	400	H250	H300	H350	H400	600
PDG1xM(N)(P)–T/M																					
15		1.3	1.0	1.5	2.2	0.8	0.8	1.6	2.3	1.0	1.5	2.5	2.0	2.0	2.5	5.6	—	—	—	—	65.0
30		1.3	1.0	1.5	2.2	0.8	0.8	1.6	2.3	0.7	1.5	2.5	2.0	2.0	2.5	5.6	—	—	—	—	40.0
50		1.3	1.0	1.5	1.8	0.8	0.8	1.6	2.3	—	1.5	2.3	1.6	1.6	2.5	5.2	—	—	—	—	22.0
60		1.3	—	1.5	1.8	—	—	1.6	2.3	—	1.5	2.3	—	—	2.5	5.2	—	—	—	—	22.0
100		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	2.5	5.2	—	—	—	—	16.5
125		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	—	5.2	—	—	—	—	16.5
PDG2xF(G)(K)(M)(N)(P)–T/M																					
15		—	1.0	1.5	1.8	0.8	0.8	1.2	2.2	1.0	1.5	2.5	2.0	2.0	2.5	5.0	2.0	2.0	2.5	5.0	10.0
40		—	1.0	1.5	1.8	0.8	0.8	1.2	1.9	0.7	1.5	2.5	1.6	1.6	2.5	5.0	1.6	1.6	2.5	5.0	7.9
100		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	2.3	3.2	—	—	2.3	3.2	7.3
225		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.2	—	—	—	3.2	7.2
PDG2xF(G)(K)(M)(N)(P)–PXR																					
60		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	2.3	3.2	—	—	2.3	3.2	7.3
100		—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	—	2.3	3.2	—	—	2.3	3.2	7.2
150		—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	3.2	—	—	—	3.2	7.2
225		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.2	—	—	—	3.2	7.1
JD–T/M																					
70		—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	3.2	—	—	—	—	10.0
125		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.2	—	—	—	—	—
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.2	—	—	—	—	—
PDG3xF(G)(K)(M)–T/M																					
100		—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	3.5	—	—	—	—	—
200		—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.2	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H300		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H350		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PDG3xN(P)–T/M																					
100		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H300		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H350		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																				
		PDG3xN(P) T/M									PDG3xF(G)(K)(M) PXR						PDG3xN(P) PXR					
		100	200	300	400	H250	H300	H350	H400	600	45	90	160	90	160	250	45	90	160	90	160	250
	Minimum trip	175	250	350	400	H250	H300	H350	H400	600	125	250	400	H250	H400	600	125	250	400	H250	H400	600
PDG1xM(N)(P)–T/M																						
	15	—	—	—	—	—	—	—	—	—	2.5	4.6	5.6	22.0	22.0	35.0	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	2.5	4.6	5.6	18.0	18.0	35.0	—	—	—	—	—	—
	50	—	—	—	—	—	—	—	—	—	2.5	4.0	5.2	10.0	10.0	22.0	—	—	—	—	—	—
	60	—	—	—	—	—	—	—	—	—	2.5	4.0	5.2	10.0	10.0	22.0	—	—	—	—	—	—
	100	—	—	—	—	—	—	—	—	—	—	4.0	5.2	10.0	10.0	22.0	—	—	—	—	—	—
	125	—	—	—	—	—	—	—	—	—	—	4.0	5.2	10.0	10.0	22.0	—	—	—	—	—	—
PDG2xF(G)(K)(M)(N)(P)–T/M																						
	15	1.6	2.0	2.5	4.2	2.0	2.0	2.5	5.0	10.0	2.5	4.0	5.0	4.0	10.0	12.0	2.5	4.0	5.0	4.0	10.0	12.0
	40	1.5	1.6	2.5	3.3	1.6	1.6	2.5	5.0	10.0	2.5	3.2	4.2	3.2	8.3	7.9	2.5	3.2	4.2	3.2	7.8	7.9
	100	—	—	2.3	3.2	—	—	2.3	3.2	10.0	—	3.2	4.0	3.2	7.0	7.3	—	3.2	4.0	3.2	7.0	7.3
	225	—	—	—	3.2	—	—	—	3.2	10.0	—	—	4.0	—	7.0	7.2	—	—	4.0	—	7.0	7.2
PDG2xF(G)(K)(M)(N)(P)–PXR																						
	60	—	—	2.3	3.2	—	—	2.3	3.2	10.0	—	3.2	4.0	3.2	7.0	7.3	—	3.2	4.0	3.2	7.0	7.3
	100	—	—	2.3	3.2	—	—	2.3	3.2	10.0	—	3.2	4.0	3.2	7.0	7.2	—	3.2	4.0	3.2	7.0	7.2
	150	—	—	—	3.2	—	—	—	3.2	10.0	—	—	4.0	—	7.0	7.2	—	—	4.0	—	7.0	7.2
	225	—	—	—	3.2	—	—	—	3.2	10.0	—	—	4.0	—	7.0	7.1	—	—	4.0	—	7.0	7.1
JD–T/M																						
	70	—	—	—	—	—	—	—	—	—	—	2.5	4.0	2.8	8.0	12.0	—	—	—	—	—	—
	125	—	—	—	—	—	—	—	—	—	—	2.5	3.7	2.8	7.0	12.0	—	—	—	—	—	—
	250	—	—	—	—	—	—	—	—	—	—	—	3.5	—	7.0	10.0	—	—	—	—	—	—
PDG3xF(G)(K)(M)–T/M																						
	100	—	—	2.0	3.2	—	—	—	—	—	—	2.5	4.2	3.5	4.2	10.0	—	2.5	4.2	3.5	4.2	5.9
	200	—	—	—	3.2	—	—	—	—	—	—	—	3.7	—	3.7	10.0	—	—	3.7	—	3.7	5.9
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.0	—	—	—	—	—	5.9
	H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.0	—	—	—	—	—	5.9
	H300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.0	—	—	—	—	—	5.9
	H350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.0	—	—	—	—	—	5.8
	H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.0	—	—	—	—	—	5.8
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PDG3xN(P)–T/M																						
	100	—	—	2.0	3.2	—	—	—	—	—	—	—	—	—	—	—	—	2.5	4.2	3.5	4.2	5.9
	200	—	—	—	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	—	3.7	5.9
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.9
	H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.9
	H300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.9
	H350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8
	H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)											
		PDG4xG(K)(M) T/M				PDG4xG(K)(M) PXR	PDG5xK(M)(N)(P) PXR		PDJ5xM PXR	PDG6xM(N)(P) PXR			
		Minimum trip	300	400	600	700	320	320	500	H150	700	1000	1600
Maximum trip	350	500	600	800	800	800	1200	H400		1600	2000	2500	
PDG1xM(N)(P)–T/M													
15		22.0	22.0	35.0	35.0	35.0		65.0	65.0	65.0	65.0	65.0	65.0
30		18.0	18.0	35.0	35.0	35.0		65.0	65.0	65.0	65.0	65.0	65.0
50		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
60		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
100		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
125		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
EGxH(C)–T/M													
15		22.0	22.0	35.0	35.0	35.0		65.0	65.0	65.0	65.0	65.0	65.0
30		18.0	18.0	35.0	35.0	35.0		65.0	65.0	65.0	65.0	65.0	65.0
50		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
60		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
100		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
125		10.0	10.0	22.0	22.0	22.0		65.0	65.0	65.0	65.0	65.0	65.0
PDG2xF(G)(K)(M)(N)(P)–T/M													
15		10.0	10.0	12.0	12.0	12.0		50.0	50.0	65.0	65.0	65.0	65.0
40		8.3	8.3	12.0	12.0	12.0		42.0	42.0	65.0	65.0	65.0	65.0
100		7.0	7.0	12.0	12.0	12.0		35.0	35.0	35.0 ①	65.0	65.0	65.0
225		—	7.0	12.0	12.0	12.0		30.0	30.0	—	65.0	65.0	65.0
PDG2xF(G)(K)(M)(N)(P)–PXR													
60		3.3	4.8	6.4	6.5	6.8		50.0	50.0	35.0	65.0	65.0	65.0
100		3.2	4.8	6.2	6.4	6.6		42.0	42.0	35.0	65.0	65.0	65.0
150		3.2	4.8	6.2	6.4	6.6		35.0	35.0	35.0	65.0	65.0	65.0
225		3.2	4.7	6.2	6.4	6.6		30.0	30.0	30.0	65.0	65.0	65.0
JD–T/M													
70		6.0	8.0	12.0	12.0	12.0		35.0	35.0	—	65.0	65.0	65.0
125		6.0	7.0	12.0	12.0	12.0		30.0	30.0	—	65.0	65.0	65.0
250		—	7.0	10.0	10.0	10.0		30.0	30.0	—	65.0	65.0	65.0
PDG3xF(G)(K)(M)–T/M													
100		3.2	4.5	6.0	6.0	6.0		22.0	22.0	—	42.0	65.0	65.0
200		—	4.4	6.0	6.0	6.0		18.0	18.0	—	40.0	65.0	65.0
400		—	—	6.0	6.0	6.0		18.0	18.0	—	35.0	50.0	50.0
H250		—	—	6.0	6.0	6.0		18.0	18.0	—	25.0	50.0	50.0
H300		—	—	6.0	6.0	6.0		18.0	18.0	—	22.0	35.0	35.0
H350		—	—	6.0	6.0	6.0		18.0	18.0	—	22.0	35.0	35.0
H400		—	—	6.0	6.0	6.0		18.0	18.0	—	22.0	35.0	35.0
600		—	—	—	—	—		—	18.0	—	20.0	30.0	30.0
PDG3xN(P)–T/M													
100		—	—	—	—	—		22.0	22.0	—	42.0	65.0	65.0
200		—	—	—	—	—		18.0	18.0	—	40.0	65.0	65.0
400		—	—	—	—	—		18.0	18.0	—	35.0	50.0	50.0
H250		—	—	—	—	—		25.0	25.0	—	50.0	50.0	50.0
H300		—	—	—	—	—		25.0	25.0	—	50.0	50.0	50.0
H350		—	—	—	—	—		25.0	25.0	—	50.0	50.0	50.0
H400		—	—	—	—	—		25.0	25.0	—	50.0	50.0	50.0
600		—	—	—	—	—		—	25.0	—	42.0	42.0	42.0

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Includes up to the 125 A rating.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																				
		PDG1xC (F)(G)(K) (M)(N)(P)	PDG2xF(G)(K)(M) (N)(P) T/M				PDG2xF(G)(K)(M)(N)(P) PXR				JD T/M			PDG3xF(G)(K)(M) T/M								
		Minimum trip	125	100	150	225	15	32	50	80	70	150	250	100	200	300	400	H250	H300	H350	H400	600
	Maximum trip	125	100	200	225	60	100	150	225	125	225	250	175	250	350	400	H250	H300	H350	H400	600	
PDG3xF(G)(K)(M) – PXR																						
125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	3.2	—	—	—	—	—	
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.2	—	—	—	—	—	
400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xN(P) – PXR																						
125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M) – T/M																						
300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M) – PXR																						
800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG5xK(M)(N)(P) – PXR																						
800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																					
		PDG3xN(P) T/M										PDG3xF(G)(K)(M) PXR						PDG3xN(P) PXR					
		100	200	300	400	H250	H300	H350	H400	600	45	90	160	90	160	250	45	90	160	90	160	250	
	Minimum trip	175	250	350	400	H250	H300	H350	H400	600	125	250	400	H250	H400	600	125	250	400	H250	H400	600	
	Maximum trip	175	250	350	400	H250	H300	H350	H400	600	125	250	400	H250	H400	600	125	250	400	H250	H400	600	
PDG3xF(G)(K)(M) – PXR																							
125		—	—	2.0	3.2	—	—	—	—	—	—	2.5	4.2	3.5	4.2	10.0	—	2.5	4.2	3.5	4.2	5.9	
250		—	—	—	3.2	—	—	—	—	—	—	—	3.7	—	3.7	10.0	—	—	3.7	—	3.7	5.9	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.0	—	—	—	—	—	5.9	
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8	—	—	—	—	—	5.8	
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8	—	—	—	—	—	5.8	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xN(P) – PXR																							
125		—	—	2.0	3.2	—	—	—	—	—	—	—	—	—	—	—	—	2.5	4.2	3.5	4.2	5.9	
250		—	—	—	3.2	—	—	—	—	—	—	—	—	—	—	—	—	—	3.7	—	3.7	5.9	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.9	
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8	
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.8	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M) – T/M																							
300		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M) – PXR																							
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG5xK(M)(N)(P) – PXR																							
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1200		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 1. Power Defense selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)										
		PDG4xG(K)(M) T/M					PDG4xG(K) (M) PXR	PDG5xK(M)(N)(P) PXR		PDG6xM(N)(P) PXR		
		Minimum trip	300	400	600	700	320	320	500	700	1000	1600
	Maximum trip	350	500	600	800	800	800	1200	1600	2000	2500	
PDG3xF(G)(K)(M) – PXR												
125		3.2	4.4	6.0	6.0	6.0	22.0	22.0	42.0	65.0	65.0	
250		—	4.4	6.0	6.0	6.0	18.0	18.0	40.0	65.0	65.0	
400		—	—	6.0	6.0	6.0	18.0	18.0	35.0	50.0	50.0	
H250		—	—	6.0	6.0	6.0	18.0	18.0	25.0	50.0	50.0	
H400		—	—	6.0	6.0	6.0	18.0	18.0	22.0	35.0	35.0	
600		—	—	—	—	—	—	18.0	20.0	30.0	30.0	
PDG3xN(P) – PXR												
125		—	—	—	—	—	22.0	22.0	42.0	65.0	65.0	
250		—	—	—	—	—	18.0	18.0	40.0	65.0	65.0	
400		—	—	—	—	—	18.0	18.0	35.0	50.0	50.0	
H250		—	—	—	—	—	25.0	25.0	50.0	50.0	50.0	
H400		—	—	—	—	—	25.0	25.0	50.0	50.0	50.0	
600		—	—	—	—	—	—	25.0	42.0	42.0	42.0	
PDG4xG(K)(M) – T/M												
300		—	—	6.0	6.0	6.0	18.0	18.0	25.0	42.0	42.0	
400		—	—	6.0	6.0	6.0	18.0	18.0	22.0	35.0	35.0	
600		—	—	—	—	—	—	18.0	20.0	30.0	30.0	
800		—	—	—	—	—	—	18.0	—	30.0	30.0	
PDG4xG(K)(M) – PXR												
800		—	—	—	—	—	—	18.0	—	30.0	30.0	
PDG5xK(M)(N)(P) – PXR												
800		—	—	—	—	—	—	—	16.0	22.0	25.0	
1200		—	—	—	—	—	—	—	—	18.0	18.0	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 2. Series C/G selective coordination combinations at 480 Vac or less

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)								
		EG ① T/M	F T/M				F 210+			F 310+
		125 A	100 A	150 A	225 A	40 A	70 A	100 A	15 A	60 A
Minimum trip		125 A	100 A	200 A	225 A	100 A	150 A	225 A	80 A	160 A
Maximum trip		125 A	100 A	200 A	225 A	100 A	150 A	225 A	80 A	160 A
BR, BAB, HQP, and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)										
15		1.2	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
20		1.2	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
30		1.2	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
40		0.8	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
50		0.8	—	1.5	2.2	—	1.2	2.3	—	1.2
60		0.8	—	1.5	2.2	—	1.2	2.3	—	1.2
70		—	—	1.5	2.2	—	1.2	2.3	—	1.2
80		—	—	—	2.2	—	—	2.3	—	—
90		—	—	—	2.2	—	—	2.3	—	—
100		—	—	—	1.8	—	—	2.3	—	—
125		—	—	—	—	—	—	—	—	—
150		—	—	—	—	—	—	—	—	—
BRH, QPHW, QBHW, and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)										
15		1.2	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
20		1.2	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
30		1.2	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
40		0.8	1.0	1.5	2.2	0.6	1.2	2.3	0.6	1.2
50		0.8	—	1.5	2.2	—	1.2	2.3	—	1.2
60		0.8	—	1.5	2.2	—	1.2	2.3	—	1.2
70		—	—	1.5	2.2	—	1.2	2.3	—	1.2
80		—	—	—	2.2	—	—	2.3	—	—
90		—	—	—	2.2	—	—	2.3	—	—
100		—	—	—	1.8	—	—	2.3	—	—
125		—	—	—	—	—	—	—	—	—
150		—	—	—	—	—	—	—	—	—
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)										
20		1.2	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6
30		1.2	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6
50		1.2	1.0	1.5	2.2	—	1.6	2.3	—	1.6
70		—	—	—	2.2	—	—	2.3	—	—
100		—	—	—	1.8	—	—	1.8	—	—
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)										
20		1.2	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6
30		1.2	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6
50		1.2	1.0	1.5	2.2	—	1.6	2.3	—	1.6
70		—	—	—	2.2	—	—	2.3	—	—
100		—	—	—	1.8	—	—	1.8	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)						
		JD T/M	JG ① ETU					
		70 A	150 A	250 A	20 A	40 A	63 A	100 A
Minimum trip	Maximum trip	125 A	225 A	250 A	50 A	100 A	160 A	250 A
BR, BAB, HQP, and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)								
15		1.0	2.1	4.0	1.0	2.5	4.0	6.0
20		1.0	2.1	3.4	1.0	2.0	3.0	5.0
30		0.7	2.1	3.4	0.7	2.0	3.0	5.0
40		—	1.5	3.4	—	1.2	2.5	4.0
50		—	1.5	2.5	—	1.2	2.5	4.0
60		—	1.5	2.5	—	—	2.5	4.0
70		—	1.5	2.5	—	—	2.5	3.0
80		—	—	2.5	—	—	2.5	3.0
90		—	—	2.3	—	—	—	3.0
100		—	—	2.3	—	—	—	3.0
125		—	—	2.3	—	—	—	3.0
150		—	—	—	—	—	—	—
BRH, QPHW, QBHW, and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)								
15		1.0	2.1	4.0	1.0	2.5	4.0	6.0
20		1.0	2.1	3.4	1.0	2.0	3.0	5.0
30		0.7	2.1	3.4	0.7	2.0	3.0	5.0
40		—	1.5	3.4	—	1.2	2.5	4.0
50		—	1.5	2.5	—	1.2	2.5	4.0
60		—	1.5	2.5	—	—	2.5	4.0
70		—	1.5	2.5	—	—	2.5	3.0
80		—	—	2.5	—	—	2.5	3.0
90		—	—	2.3	—	—	—	3.0
100		—	—	2.3	—	—	—	3.0
125		—	—	2.3	—	—	—	3.0
150		—	—	—	—	—	—	—
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)								
20		0.7	1.5	2.5	0.7	2.0	3.0	4.0
30		0.7	1.5	2.5	0.7	2.0	3.0	4.0
50		—	1.5	2.3	—	1.6	2.2	3.6
70		—	—	2.3	—	—	2.5	3.6
100		—	—	2.3	—	—	—	3.6
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)								
20		0.7	1.5	2.5	0.7	2.0	3.0	4.0
30		0.7	1.5	2.5	0.7	2.0	3.0	4.0
50		—	1.5	2.3	—	1.6	2.2	3.6
70		—	—	2.3	—	—	2.5	3.6
100		—	—	2.3	—	—	—	3.6

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)									
		EG ① T/M	F T/M				F 210+			F 310+	
		125 A	100 A	150 A	225 A	40 A	70 A	100 A	15 A	60 A	100 A
	Minimum trip	125 A	100 A	200 A	225 A	100 A	150 A	225 A	80 A	160 A	225 A
FCL current limiting family (200 kA at 240 Vac, 150 kA at 480 Vac)											
15		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.8
30		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.8
50		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.3
100		—	—	—	1.8	—	1.6	1.8	—	1.6	1.8
EG family ①											
15		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.8
30		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.8
50		1.3	1.0	1.5	1.8	0.8	1.6	2.3	0.8	1.6	2.3
60		1.3	—	1.5	1.8	—	1.6	2.3	—	1.6	2.3
100		—	—	—	1.8	—	1.2	1.8	—	1.2	1.8
125		—	—	—	1.8	—	1.2	1.8	—	1.2	1.8
EG current limiting family ①											
15		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.8
30		1.3	1.0	1.5	2.2	0.8	1.6	2.3	0.8	1.6	2.8
50		1.3	1.0	1.5	1.8	0.8	1.6	2.3	0.8	1.6	2.3
60		1.3	—	1.5	1.8	—	1.6	2.3	—	1.6	2.3
100		—	—	—	1.8	—	1.2	1.8	—	1.2	1.8
125		—	—	—	1.8	—	1.2	1.8	—	1.2	1.8
F family											
15		—	1.0	1.5	1.8	0.8	1.2	2.3	0.8	1.2	2.8
40		—	1.0	1.5	1.8	0.8	1.2	2.3	0.8	1.2	2.3
100		—	—	—	1.8	—	1.2	1.8	—	1.2	1.8
225		—	—	—	—	—	—	—	—	—	—
JG family ①											
50		—	—	—	—	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	—	—
160		—	—	—	—	—	—	—	—	—	—
250		—	—	—	—	—	—	—	—	—	—
JG current limiting family ①											
50		—	—	—	—	—	—	—	—	—	—
100		—	—	—	—	—	—	—	—	—	—
160		—	—	—	—	—	—	—	—	—	—
250		—	—	—	—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)						
		JD T/M				JG ① ETU		
	Minimum trip	70 A	150 A	250 A	20 A	40 A	63 A	100 A
Maximum trip	125 A	225 A	250 A	50 A	100 A	160 A	250 A	
FCL current limiting family (200 kA at 240 Vac, 150 kA at 480 Vac)								
15		1.0	1.5	2.5	1.0	2.0	3.0	6.0
30		0.7	1.5	2.5	0.7	2.0	3.0	6.0
50		—	1.5	2.3	—	1.6	2.5	4.0
100		—	—	2.3	—	—	—	4.0
EG family ①								
15		1.0	1.5	2.5	1.0	2.0	3.0	4.6
30		0.7	1.5	2.5	0.7	2.0	3.0	4.6
50		—	1.5	2.3	—	1.6	2.5	4.6
60		—	1.5	2.3	—	—	2.2	4.0
100		—	—	2.3	—	—	—	4.0
125		—	—	2.3	—	—	—	4.0
EG current limiting family ①								
15		1.0	1.5	2.5	1.0	2.0	3.0	4.6
30		0.7	1.5	2.5	0.7	2.0	3.0	4.6
50		—	1.5	2.3	—	1.6	2.5	4.6
60		—	1.5	2.3	—	—	2.2	4.0
100		—	—	2.3	—	—	—	4.0
125		—	—	2.3	—	—	—	4.0
F family								
15		1.0	1.5	2.5	1.0	2.0	2.0	2.5
40		0.7	1.5	2.5	—	1.6	1.8	2.5
100		—	—	2.3	—	—	—	2.3
225		—	—	—	—	—	—	—
JG family ①								
50		—	1.2	2.3	—	1.2	1.2	2.3
100		—	—	2.3	—	—	—	2.3
160		—	—	—	—	—	—	—
250		—	—	—	—	—	—	—
JG current limiting family ①								
50		—	—	2.3	—	1.2	1.2	2.3
100		—	—	2.3	—	—	—	2.3
160		—	—	—	—	—	—	—
250		—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)												
		K T/M			K ETU			LD T/M			LD ETU	LHH T/M		
		100 A	200 A	400 A	55 A	100 A	160 A	300 A	400 A	600 A	250 A	125 A	175 A	225 A
Minimum trip	100 A	200 A	400 A	55 A	100 A	160 A	300 A	400 A	600 A	250 A	125 A	175 A	225 A	
Maximum trip	175 A	350 A	400 A	125 A	250 A	400 A	350 A	500 A	600 A	600 A	150 A	200 A	400 A	
BR, BAB, HQP, and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)														
15		2.5	5.0	10	3.0	6.0	10	10	10	10	10	10	10	10
20		2.0	4.0	8.0	2.5	5.0	8.0	9.0	10	10	10	7.5	10	10
30		2.0	4.0	8.0	2.5	5.0	8.0	9.0	10	10	10	7.5	10	10
40		1.2	3.0	6.0	1.5	4.0	6.0	7.5	10	10	10	5.3	10	10
50		1.2	3.0	6.0	1.5	4.0	6.0	7.5	10	10	10	5.3	10	10
60		—	3.0	6.0	1.5	4.0	6.0	7.5	10	10	10	5.3	10	10
70		—	2.5	5.0	—	3.0	5.0	7.5	10	10	10	4.3	10	10
80		—	2.5	5.0	—	3.0	5.0	7.5	10	10	10	—	10	10
90		—	2.5	5.0	—	3.0	5.0	7.5	10	10	10	—	10	10
100		—	2.5	5.0	—	3.0	5.0	7.5	10	10	10	—	10	10
125		—	—	4.2	—	3.0	4.2	7.5	10	10	10	—	—	10
150		—	—	4.2	—	—	4.2	7.5	10	10	10	—	—	10
BRH, QPHW, QBHW, and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)														
15		2.5	5.0	10	3.0	6.0	10	10	10	22	22	10	22	22
20		2.0	4.0	8.0	2.5	5.0	8.0	9.0	10	22	22	7.5	22	22
30		2.0	4.0	8.0	2.5	5.0	8.0	9.0	10	22	22	7.5	22	22
40		1.2	3.0	6.0	1.5	4.0	6.0	7.5	10	22	22	5.3	22	22
50		1.2	3.0	6.0	1.5	4.0	6.0	7.5	10	22	22	5.3	22	22
60		—	3.0	6.0	1.5	4.0	6.0	7.5	10	22	22	5.3	22	22
70		—	2.5	5.0	—	3.0	5.0	7.5	10	22	22	4.3	22	22
80		—	2.5	5.0	—	3.0	5.0	7.5	10	22	22	—	22	22
90		—	2.5	5.0	—	3.0	5.0	7.5	10	22	22	—	22	22
100		—	2.5	5.0	—	3.0	5.0	7.5	10	22	22	—	22	22
125		—	—	4.2	—	3.0	4.2	7.5	10	18	18	—	—	18
150		—	—	4.2	—	—	4.2	7.5	10	18	18	—	—	18
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)														
20		2.0	2.7	4.5	2.7	4.0	4.5	10	10	15	10	3.2	7.6	14
30		2.0	2.7	4.5	2.7	4.0	4.5	10	10	15	10	3.2	7.6	14
50		1.6	2.7	4.2	2.7	3.6	4.2	10	10	12	10	3.2	7.6	14
70		—	2.5	4.2	—	3.6	4.2	7.4	7.4	12	7.4	3.2	7.6	12.7
100		—	2.5	4.2	—	3.6	4.2	10	7.4	12	7.4	—	7.6	12.7
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)														
20		2.0	2.7	4.5	2.7	4.0	4.5	7.4	7.4	15	7.4	3.2	7.6	18
30		2.0	2.7	4.5	2.7	4.0	4.5	7.4	7.4	15	7.4	3.2	7.6	16
50		1.6	2.7	4.2	2.7	3.6	4.2	7.4	7.4	12	7.4	3.2	7.6	14
70		—	2.5	4.2	—	3.6	4.2	7.4	7.4	12	7.4	3.2	7.6	12.7
100		—	2.5	4.2	—	3.6	4.2	7.4	7.4	12	7.4	—	7.6	12.7

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)												
		K T/M			K ETU			LD T/M			LD ETU	LHH T/M		
		100 A	200 A	400 A	55 A	100 A	160 A	300 A	400 A	600 A	250 A	125 A	175 A	225 A
Load side breaker	Minimum trip	100 A	200 A	400 A	55 A	100 A	160 A	300 A	400 A	600 A	250 A	125 A	175 A	225 A
	Maximum trip	175 A	350 A	400 A	125 A	250 A	400 A	350 A	500 A	600 A	600 A	150 A	200 A	400 A
FCL current limiting family (200 kA at 240 Vac, 150 kA at 480 Vac)														
15		2.0	3.2	6.0	3.2	6.5	7.0	30	30	30	30	10	30	65
30		2.0	2.8	6.0	2.8	6.5	7.0	20	20	20	20	7.5	20	40
50		1.6	2.8	5.0	2.8	6.0	6.5	10	10	10	10	3.2	14	36
100		—	2.8	5.0	—	6.0	6.5	10	10	10	10	—	10	30
EG family ①														
15		2.0	2.5	5.6	2.5	4.6	5.6	20	20	35	35	10	27	65
30		2.0	2.5	5.6	2.5	4.6	5.6	15	15	35	35	7.5	14	35
50		1.6	2.5	5.2	2.5	4.0	5.2	10	10	18	18	3.2	10	18
60		—	2.5	5.2	2.5	4.0	5.2	10	10	18	18	3.2	10	18
100		—	2.5	5.2	—	4.0	5.2	10	10	18	18	—	10	18
125		—	—	5.2	—	4.0	5.2	10	10	18	18	—	10	18
EG current limiting family ①														
15		2.0	2.5	5.6	2.5	4.6	5.6	22	22	35	35	10	40	65
30		2.0	2.5	5.6	2.5	4.6	5.6	18	18	35	35	7.5	30	40
50		1.6	2.5	5.2	2.5	4.0	5.2	10	10	22	22	3.2	10	22
60		—	2.5	5.2	2.5	4.0	5.2	10	10	22	22	3.2	10	22
100		—	2.5	5.2	—	4.0	5.2	10	10	22	22	—	10	22
125		—	—	5.2	—	4.0	5.2	10	10	22	22	—	10	22
F family														
15		2.0	2.5	5.0	2.5	4.0	5.0	10	10	12	12	7.5	14	22
40		1.6	2.5	5.0	2.5	3.2	4.2	8.3	8.3	12	12	3.2	10	16
100		—	2.3	3.2	—	3.2	4.0	7.0	7.0	12	12	—	10	14
225		—	—	3.2	—	—	4.0	—	7.0	12	12	—	—	12
JG family ①														
50		1.2	2.0	3.2	2.0	2.5	4.2	5.6	8.0	12	12	3.2	7.6	12.7
100		—	2.0	3.2	2.0	2.5	4.0	5.6	8.0	12	12	—	7.6	10
160		—	—	3.2	—	—	3.5	—	7.0	12	12	—	—	10
250		—	—	3.2	—	—	3.5	—	7.0	10	10	—	—	10
JG current limiting family ①														
50		0.4	2.0	3.2	2.0	2.5	3.2	5.6	8.0	12	12	3.2	7.6	12.7
100		—	2.0	3.2	2.0	2.5	3.2	5.6	8.0	12	12	—	7.6	10
160		—	—	3.2	—	—	3.2	—	7.0	12	12	—	—	10
250		—	—	3.2	—	—	3.2	—	7.0	10	10	—	—	10

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)												
		K T/M			K ETU			LD T/M			LD ETU	LHH T/M		
		100 A	200 A	400 A	55 A	100 A	160 A	300 A	400 A	600 A	250 A	125 A	175 A	225 A
	Minimum trip	175 A	350 A	400 A	125 A	250 A	400 A	350 A	500 A	600 A	600 A	150 A	200 A	400 A
JD family														
70		—	2.0	3.2	—	2.5	4.0	6.0	8.0	12	12	3.2	7.6	12.7
125		—	—	3.2	—	2.5	3.7	6.0	7.0	12	12	—	7.6	10
250		—	—	3.2	—	—	3.5	—	7.0	10	10	—	—	10
LCL 250 current limiting family														
125		—	—	3.7	—	2.5	4.2	4.2	4.2	17	17	—	—	12.7
200		—	—	3.2	—	—	3.7	—	3.2	17	17	—	—	10
250		—	—	—	—	—	—	—	—	17	17	—	—	—
LCL 400 current limiting family														
200		—	—	3.2	—	—	3.2	—	3.2	17	17	—	—	10
300		—	—	—	—	—	—	—	—	17	17	—	—	—
400		—	—	—	—	—	—	—	—	17	17	—	—	—
K family														
100		—	2.0	3.5	—	2.5	4.2	4.2	4.2	10	10	—	5	10
200		—	—	3.2	—	—	3.7	—	3.7	10	10	—	—	10
400		—	—	—	—	—	—	—	—	10	10	—	—	—
LD family														
300		—	—	—	—	—	—	—	—	6.0	6.0	—	—	—
400		—	—	—	—	—	—	—	—	6.0	6.0	—	—	—
600		—	—	—	—	—	—	—	—	—	—	—	—	—
LG family														
250		—	—	—	—	—	—	—	—	6.0	6.0	—	—	—
400		—	—	—	—	—	—	—	—	6.0	6.0	—	—	—
600		—	—	—	—	—	—	—	—	—	—	—	—	—
LG current limiting family														
250		—	—	—	—	—	—	—	—	6	6	—	—	—
400		—	—	—	—	—	—	—	—	6	6	—	—	—
600		—	—	—	—	—	—	—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)														
		LG ETU					NHH ETU					R ETU				
		100 A	160 A	250 A	600 A	150 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1200 A	800 A	1000 A	1600 A
Load side breaker	Minimum trip	100 A	160 A	250 A	600 A	150 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1200 A	800 A	1000 A	1600 A
	Maximum trip	250 A	400 A	600 A	600 A	350 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1600 A	1600 A	2000 A	2500 A
BR, BAB, HQP, and QC (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)																
15		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20		9.0	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30		9.0	10	10	10	10	10	10	10	10	10	10	10	10	10	10
40		7.5	10	10	10	10	10	10	10	10	10	10	10	10	10	10
50		7.5	10	10	10	10	10	10	10	10	10	10	10	10	10	10
60		7.5	10	10	10	10	10	10	10	10	10	10	10	10	10	10
70		7.5	10	10	10	10	10	10	10	10	10	10	10	10	10	10
80		7.5	10	10	10	—	10	10	10	10	10	10	10	10	10	10
90		7.5	10	10	10	—	10	10	10	10	10	10	10	10	10	10
100		7.5	10	10	10	—	10	10	10	10	10	10	10	10	10	10
125		7.5	10	10	10	—	10	10	10	10	10	10	10	10	10	10
150		7.5	10	10	10	—	10	10	10	10	10	10	10	10	10	10
BRH, QPHW, QBHW, and QCHW (120 Vac for single-pole, 120/240 Vac for two-pole, and 240 Vac for delta rated two-pole and all three-pole breakers)																
15		10	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22
20		9.0	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22
30		9.0	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22
40		7.5	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22
50		7.5	14.4	22	22	22	22	22	22	22	22	22	22	22	22	22
60		7.5	12	18	22	22	22	22	22	22	22	22	22	22	22	22
70		7.5	12	18	22	22	22	22	22	22	22	22	22	22	22	22
80		7.5	12	18	22	—	22	22	22	22	22	22	22	22	22	22
90		7.5	12	18	22	—	22	22	22	22	22	22	22	22	22	22
100		7.5	12	18	22	—	22	22	22	22	22	22	22	22	22	22
125		7.5	12	18	18	—	22	22	22	22	22	22	22	22	22	22
150		7.5	12	18	18	—	22	22	22	22	22	22	22	22	22	22
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)																
20		4.0	7.4	10	12.7	14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14
30		4.0	7.4	10	12.7	14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14
50		3.6	7.4	10	10	14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14
70		3.6	7.4	10	10	—	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14
100		3.6	7.4	10	10	—	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14	65/14
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)																
20		4.0	7.4	10	12.7	22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22
30		4.0	7.4	10	12.7	22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22
50		3.6	7.4	10	12.7	22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22
70		3.6	7.4	10	10	—	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22
100		3.6	7.4	10	10	—	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22	65/22

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)														
		LG ETU			LG T/M	NHH ETU	N ETU				R ETU					
		100 A	160 A	250 A	600 A	150 A	400 A	600 A	320 A	500 A	1200 A	800 A	1000 A	1200 A	800 A	1000 A
Minimum trip	250 A	400 A	600 A	600 A	350 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1600 A	1600 A	2000 A	2500 A	
Maximum trip	250 A	400 A	600 A	600 A	350 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1600 A	1600 A	2000 A	2500 A	
FCL current limiting family (200 kA at 240 Vac, 150 kA at 480 Vac)																
15		6.5	30	30	—	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65
30		6.5	20	20	—	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65
50		6.0	10	10	—	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65
100		6.0	10	10	—	—	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65	200/65
EG family—T/M																
15		22	22	35	—	65	65	65	65	65	65	65	65	65	65	65
30		18	18	35	—	65	65	65	65	65	65	65	65	65	65	65
50		10	10	22	—	65	65	65	65	65	65	65	65	65	65	65
60		10	10	22	—	65	65	65	65	65	65	65	65	65	65	65
100		10	10	22	16.5	—	65	65	65	65	65	65	65	65	65	65
125		10	10	22	16.5	—	65	65	65	65	65	65	65	65	65	65
F family																
15		4.0	10	12	—	65	50	50	50	50	65	65	65	65	65	65
40		3.2	8.3	12	—	65	42	42	42	42	65	65	65	65	65	65
100		3.2	7.0	12	—	—	35	35	35	35	65	65	65	65	65	65
225		—	7.0	12	10	—	30	30	30	30	65	65	65	65	65	65
JG family ①																
50		2.8	8.0	12	10	—	35	35	35	35	35	35	65	65	65	65
100		2.8	8.0	12	—	—	35	35	35	35	35	35	65	65	65	65
160		2.8	7.0	12	—	—	30	30	30	30	30	30	50	65	65	65
250		—	7.0	10	—	—	30	30	30	30	30	30	50	65	65	65
JG current limiting family ①																
50		2.8	12	14	10	—	42	42	42	42	65	65	65	65	65	65
100		2.8	12	14	—	—	42	42	42	42	65	65	65	65	65	65
160		2.8	10	14	—	—	35	35	35	42	65	65	65	65	65	65
250		—	10	12	—	—	35	35	35	42	65	65	65	65	65	65

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 2. Series C/G selective coordination combinations at 480 Vac or less (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)														
		LG ETU			LG T/M	NHH ETU	N ETU				R ETU					
		100 A	160 A	250 A	600 A	150 A	400 A	600 A	320 A	500 A	800 A	1000 A	1200 A	800 A	1000 A	1600 A
Minimum trip	250 A	400 A	600 A	600 A	350 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1600 A	1600 A	2000 A	2500 A	
Maximum trip	250 A	400 A	600 A	600 A	350 A	400 A	600 A	800 A	1200 A	800 A	1000 A	1600 A	1600 A	2000 A	2500 A	
JD family																
70		2.8	8.0	12	10	—	35	35	35	35	35	35	65	65	65	65
125		2.8	7.0	12	—	—	30	30	30	30	30	30	65	65	65	65
250		—	7.0	10	—	—	30	30	30	30	30	30	50	65	65	65
LCL 250 current limiting family																
125		2.8	4.2	17	—	—	65	65	65	65	65	65	65	65	65	65
200		—	3.2	17	—	—	65	65	65	65	65	65	65	65	65	65
250		—	—	17	—	—	65	65	65	65	65	65	65	65	65	65
LCL 400 current limiting family																
200		—	3.2	15	—	—	30	30	30	30	65	65	65	65	65	65
300		—	—	15	—	—	30	30	30	30	65	65	65	65	65	65
400		—	—	15	—	—	—	30	30	30	65	65	65	65	65	65
K family																
100		3.5	4.2	10	—	—	22	22	22	22	42	42	42	42	65	65
200		—	3.7	10	—	—	18	18	18	18	40	40	40	40	65	65
400		—	—	10	—	—	—	—	18	18	35	35	35	35	50	50
LD family																
300		—	—	6.0	—	—	—	18	18	18	25	25	25	25	42	42
400		—	—	6.0	—	—	—	—	18	18	22	22	22	22	35	35
600		—	—	—	—	—	—	—	—	18	20	20	20	20	30	30
LG family																
250		—	—	6.0	—	—	10	18	18	18	25	25	25	25	50	50
400		—	—	6.0	—	—	—	—	18	18	22	22	22	22	35	35
600		—	—	—	—	—	—	—	—	18	20	20	20	20	30	30
LG current limiting family																
250		—	—	6	—	—	15	22	25	25	42	42	42	50	50	50
400		—	—	6	—	—	—	—	25	25	35	35	35	50	50	50
600		—	—	—	—	—	—	—	—	25	30	30	30	42	42	42
N family																
400		—	—	—	—	—	—	—	—	12	16	16	16	16	22	25
600		—	—	—	—	—	—	—	—	12	—	—	16	16	22	25
800		—	—	—	—	—	—	—	—	—	—	—	—	16	22	25
1200		—	—	—	—	—	—	—	—	—	—	—	—	—	18	18

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

① Not presently available for panelboard or switchboard mounting in Eaton assemblies. For all combinations available, refer to IA01400001E.

Table 3. Power Defense selective coordination combinations at 600 Vac

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																			
		PDG1xC (F)(G)(K) (M)(N)(P)	PDG2xF(G)(K)(M) (N)(P) T/M				PDG2xF(G)(K)(M)(N)(P) PXR				JD T/M		PDG3xF(G)(K)(M) T/M								
		Minimum trip	125	100	150	225	15	32	50	80	70	150	250	100	200	300	400	H250	H300	H350	H400
Maximum trip	125	100	200	225	60	100	150	225	125	225	250	175	250	350	400	H250	H300	H350	H400	600	
GHB/GHC I _{cu} = 14 kA at 480Y/277 V																					
20	—	—	—	2.2	0.8	0.8	1.6	2.3	—	1.5	2.5	—	—	2.7	3.2	—	—	—	—	—	
30	—	—	—	2.2	—	—	1.6	2.3	—	1.5	2.5	—	—	2.7	3.2	—	—	—	—	—	
50	—	—	—	2.2	—	—	1.6	2.3	—	1.5	2.3	—	—	2.7	3.2	—	—	—	—	—	
70	—	—	—	2.2	—	—	—	2.3	—	—	2.3	—	—	2.5	3.2	—	—	—	—	—	
100	—	—	—	1.8	—	—	—	1.8	—	—	2.3	—	—	2.5	3.2	—	—	—	—	—	
PDG1xC(F)(G)(K)—T/M																					
15	—	—	1.5	2.2	0.8	0.8	1.6	2.3	—	1.5	2.5	2.0	2.0	2.5	3.2	—	—	—	—	25.0	
30	—	—	1.5	2.2	0.8	0.8	1.6	2.3	—	1.5	2.5	2.0	2.0	2.5	3.2	—	—	—	—	25.0	
50	—	—	1.5	1.8	0.8	0.8	1.6	2.3	—	1.5	2.3	1.6	1.6	2.5	3.2	—	—	—	—	12.0	
60	—	—	—	1.8	—	—	1.6	2.3	—	1.5	2.3	—	—	2.5	2.5	—	—	—	—	10.0	
100	—	—	—	—	—	—	1.2	1.8	—	—	2.3	—	—	2.5	2.5	—	—	—	—	10.0	
125	—	—	—	—	—	—	—	1.8	—	—	2.3	—	—	—	2.3	—	—	—	—	10.0	
PDG1xM(N)(P)—T/M																					
15	—	—	1.5	2.2	0.8	0.8	1.6	2.3	—	1.5	2.5	2.0	2.0	2.5	3.2	—	—	—	—	35.0	
30	—	—	1.5	2.2	0.8	0.8	1.6	2.3	—	1.5	2.5	2.0	2.0	2.5	3.2	—	—	—	—	30.0	
50	—	—	1.5	1.8	0.8	0.8	1.6	2.3	—	1.5	2.3	1.6	1.6	2.5	3.2	—	—	—	—	14.0	
60	—	—	—	1.8	—	—	1.6	2.3	—	1.5	2.3	—	—	2.5	2.5	—	—	—	—	14.0	
100	—	—	—	—	—	—	1.2	1.8	—	—	2.3	—	—	2.5	2.5	—	—	—	—	14.0	
125	—	—	—	—	—	—	—	1.8	—	—	2.3	—	—	—	2.3	—	—	—	—	14.0	
PDG2xF(G)(K)(M)(N)(P)—T/M																					
15	—	—	—	1.8	—	—	1.2	2.3	—	1.5	2.5	2.0	2.5	2.5	3.2	—	—	—	—	10.0	
40	—	—	—	1.8	—	—	1.2	2.3	—	1.5	2.5	—	2.5	2.5	3.2	—	—	—	—	7.4	
100	—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	2.3	2.3	2.3	—	—	—	—	7.0	
225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	—	7.0	
PDG2xF(G)(K)(M)(N)(P)—PXR																					
60	—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	2.3	2.3	2.3	—	—	—	—	6.9	
100	—	—	—	1.8	—	—	1.2	1.8	—	—	2.3	—	2.3	2.3	2.3	—	—	—	—	6.9	
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	—	6.9	
225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.3	—	—	—	—	6.9	
JD—T/M																					
70	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	2.0	—	—	—	—	—	
125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	—	—	—	—	—	
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	—	—	—	—	—	
PDG3xF(G)(K)(M)—T/M																					
100	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	2.0	—	—	—	—	—	
200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	—	—	—	—	—	
400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 3. Power Defense selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																					
		PDG3xN(P) T/M										PDG3xF(G)(K)(M) PXR						PDG3xN(P) PXR					
	Minimum trip	100	200	300	400	H250	H300	H350	H400	600	45	90	160	90	160	250	45	90	160	90	160	250	
	Maximum trip	175	250	350	400	H250	H300	H350	H400	600	125	250	400	H250	H400	600	125	250	400	H250	H400	600	
GHB/GHC I _{cu} = 14 kA at 480Y/277 V																							
	20	—	—	—	—	—	—	—	—	—	2.7	3.2	4.5	—	—	—	—	—	—	—	—	—	
	30	—	—	—	—	—	—	—	—	—	—	3.2	4.5	—	—	—	—	—	—	—	—	—	
	50	—	—	—	—	—	—	—	—	—	—	3.2	4.2	—	—	—	—	—	—	—	—	—	
	70	—	—	—	—	—	—	—	—	—	—	3.2	4.2	—	—	—	—	—	—	—	—	—	
	100	—	—	—	—	—	—	—	—	—	—	3.2	4.2	—	—	—	—	—	—	—	—	—	
PDG1xC(F)(G)(K)—T/M																							
	15	—	—	—	—	—	—	—	—	—	2.5	3.2	5.6	14.0	14.0	16.0	—	—	—	—	—	—	
	30	—	—	—	—	—	—	—	—	—	2.5	3.2	5.6	10.0	10.0	10.0	—	—	—	—	—	—	
	50	—	—	—	—	—	—	—	—	—	2.5	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	60	—	—	—	—	—	—	—	—	—	2.5	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	100	—	—	—	—	—	—	—	—	—	—	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	125	—	—	—	—	—	—	—	—	—	—	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
EG family—T/M																							
	15	—	—	—	—	—	—	—	—	—	2.5	3.2	5.6	14.0	14.0	16.0	—	—	—	—	—	—	
	30	—	—	—	—	—	—	—	—	—	2.5	3.2	5.6	10.0	10.0	10.0	—	—	—	—	—	—	
	50	—	—	—	—	—	—	—	—	—	2.5	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	60	—	—	—	—	—	—	—	—	—	2.5	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	100	—	—	—	—	—	—	—	—	—	—	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	125	—	—	—	—	—	—	—	—	—	—	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
PDG1xM(N)(P)—T/M																							
	15	—	—	—	—	—	—	—	—	—	2.5	3.2	5.6	16.0	16.0	16.0	—	—	—	—	—	—	
	30	—	—	—	—	—	—	—	—	—	2.5	3.2	5.6	10.0	10.0	10.0	—	—	—	—	—	—	
	50	—	—	—	—	—	—	—	—	—	2.5	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	60	—	—	—	—	—	—	—	—	—	2.5	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	100	—	—	—	—	—	—	—	—	—	—	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
	125	—	—	—	—	—	—	—	—	—	—	3.2	5.2	10.0	10.0	10.0	—	—	—	—	—	—	
PDG2xF(G)(K)(M)(N)(P)—T/M																							
	15	2.0	2.5	2.5	3.2	—	—	—	—	—	2.5	3.2	5.0	10.0	10.0	10.0	2.5	3.2	5.0	—	—	—	
	40	—	2.5	2.5	3.2	—	—	—	—	—	2.5	3.2	4.2	7.4	7.4	7.4	2.5	3.2	4.2	—	—	—	
	100	—	2.3	2.3	2.3	—	—	—	—	—	—	3.2	4.0	7.0	7.0	7.0	—	3.2	4.0	—	—	—	
	225	—	—	—	2.3	—	—	—	—	—	—	—	4.0	—	—	—	—	—	4.0	—	—	—	
PDG2xF(G)(K)(M)(N)(P)—PXR																							
	60	—	2.3	2.3	2.3	—	—	—	—	—	—	3.2	4.0	6.9	6.9	6.9	—	3.2	4.0	—	—	—	
	100	—	2.3	2.3	2.3	—	—	—	—	—	—	3.2	4.0	6.9	6.9	6.9	—	3.2	4.0	—	—	—	
	150	—	—	—	2.3	—	—	—	—	—	—	—	4.0	6.9	6.9	6.9	—	—	4.0	—	—	—	
	225	—	—	—	2.3	—	—	—	—	—	—	—	4.0	—	—	—	—	—	4.0	—	—	—	
JD—T/M																							
	70	—	—	—	—	—	—	—	—	—	—	2.5	—	—	—	—	—	—	—	—	—	—	
	125	—	—	—	—	—	—	—	—	—	—	2.5	—	—	—	—	—	—	—	—	—	—	
	250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xF(G)(K)(M)—T/M																							
	100	—	—	2.0	2.0	—	—	—	—	—	—	2.5	—	—	—	—	—	2.5	—	—	—	—	
	200	—	—	—	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 3. Power Defense selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)								
		PDG4xG(K)(M) T/M		PDG4xG(K)(M) PXR	PDG5xK(M)(N)(P) PXR		PDJ5xM PXR	PDG6xM(N)(P) PXR		
		Minimum trip	600	700	320	320	500	H150	700	1000
Maximum trip	600	800	800	800	1200	H400	1600	2000	2500	
GHB/GHC I _{cu} = 14 kA at 480Y/277 V										
20		—	—	—	10.0	10.0	—	10.0	10.0	10.0
30		—	—	—	10.0	10.0	—	10.0	10.0	10.0
50		—	—	—	10.0	10.0	—	10.0	10.0	10.0
70		—	—	—	10.0	10.0	—	10.0	10.0	10.0
100		—	—	—	10.0	10.0	—	10.0	10.0	10.0
PDG1xC(F)(G)(K)—T/M										
15		25.0	25.0	25.0	25.0	25.0	—	25.0	25.0	25.0
30		21.0	21.0	21.0	25.0	25.0	—	25.0	25.0	25.0
50		18.0	18.0	18.0	25.0	25.0	—	25.0	25.0	25.0
60		18.0	18.0	18.0	25.0	25.0	—	25.0	25.0	25.0
100		18.0	18.0	18.0	25.0	25.0	—	25.0	25.0	25.0
125		18.0	18.0	18.0	25.0	25.0	—	25.0	25.0	25.0
EGxB(E)(S)—T/M										
15		25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
30		21.0	21.0	21.0	25.0	25.0	25.0	25.0	25.0	25.0
50		18.0	18.0	18.0	25.0	25.0	25.0	25.0	25.0	25.0
60		18.0	18.0	18.0	25.0	25.0	25.0	25.0	25.0	25.0
100		18.0	18.0	18.0	25.0	25.0	25.0	25.0	25.0	25.0
125		18.0	18.0	18.0	25.0	25.0	25.0	25.0	25.0	25.0
PDG1xM(N)(P)—T/M										
15		35.0	35.0	35.0	35.0	35.0	—	35.0	35.0	35.0
30		22.0	22.0	22.0	35.0	35.0	—	35.0	35.0	35.0
50		22.0	22.0	22.0	35.0	35.0	—	35.0	35.0	35.0
60		22.0	22.0	22.0	35.0	35.0	—	35.0	35.0	35.0
100		20.0	20.0	20.0	35.0	35.0	—	35.0	35.0	35.0
125		20.0	20.0	20.0	35.0	35.0	—	35.0	35.0	35.0
EGxH(C)—T/M										
15		35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
30		22.0	22.0	22.0	35.0	35.0	35.0	35.0	35.0	35.0
50		22.0	22.0	22.0	35.0	35.0	35.0	35.0	35.0	35.0
60		22.0	22.0	22.0	35.0	35.0	35.0	35.0	35.0	35.0
100		20.0	20.0	20.0	35.0	35.0	35.0	35.0	35.0	35.0
125		20.0	20.0	20.0	35.0	35.0	35.0	35.0	35.0	35.0
PDG2xF(G)(K)(M)(N)(P)—T/M										
15		12.0	12.0	12.0	25.0	25.0	—	25.0	25.0	25.0
40		12.0	12.0	12.0	25.0	25.0	—	25.0	25.0	25.0
100		12.0	12.0	12.0	25.0	25.0	—	25.0	25.0	25.0
225		12.0	12.0	12.0	25.0	25.0	—	25.0	25.0	25.0
PDG2xF(G)(K)(M)(N)(P)—PXR										
60		6.1	6.3	6.5	25.0	25.0	—	25.0	25.0	25.0
100		6.1	6.3	6.5	25.0	25.0	—	25.0	25.0	25.0
150		6.0	6.2	6.4	25.0	25.0	—	25.0	25.0	25.0
225		5.9	6.2	6.4	25.0	25.0	—	25.0	25.0	25.0
JD—T/M										
70		—	—	—	25.0	25.0	—	25.0	25.0	25.0
125		—	—	—	25.0	25.0	—	25.0	25.0	25.0
250		—	—	—	25.0	25.0	—	25.0	25.0	25.0
PDG3xF(G)(K)(M)—T/M										
100		—	—	—	22.0	22.0	—	35.0	35.0	35.0
200		—	—	—	18.0	18.0	—	35.0	35.0	35.0
400		—	—	—	18.0	18.0	—	35.0	35.0	35.0
H250		—	—	—	18.0	18.0	—	25.0	35.0	35.0
H300		—	—	—	18.0	18.0	—	22.0	35.0	35.0
H350		—	—	—	18.0	18.0	—	22.0	35.0	35.0
H400		—	—	—	18.0	18.0	—	22.0	35.0	35.0
600		—	—	—	—	18.0	—	20.0	30.0	35.0

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 3. Power Defense selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																				
		PDG1xC (F)(G)(K) (M)(N)(P)	PDG2xF(G)(K)(M) (N)(P) T/M				PDG2xF(G)(K)(M)(N)(P) PXR				JD T/M			PDG3xF(G)(K)(M) T/M								
		Minimum trip	125	100	150	225	15	32	50	80	70	150	250	100	200	300	400	H250	H300	H350	H400	600
	Maximum trip	125	100	200	225	60	100	150	225	125	225	250	175	250	350	400	H250	H300	H350	H400	600	
PDG3xN(P)–T/M																						
100		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
200		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H300		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H350		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xF(G)(K)(M)–PXR																						
125		—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	2.0	—	—	—	—	—	
250		—	—	—	—	—	—	—	—	—	—	—	—	—	2.0	—	—	—	—	—	—	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xN(P)–PXR																						
125		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
H400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M)–T/M																						
300		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M)–PXR																						
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG5xK(M)(N)(P)–PXR																						
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1200		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 3. Power Defense selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)																					
		PDG3xN(P) T/M										PDG3xF(G)(K)(M) PXR						PDG3xN(P) PXR					
		Minimum trip	100	200	300	400	H250	H300	H350	H400	600	45	90	160	90	160	250	45	90	160	90	160	250
	Maximum trip	175	250	350	400	H250	H300	H350	H400	600	125	250	400	H250	H400	600	125	250	400	H250	H400	600	
PDG3xN(P)—T/M																							
	100	—	—	2.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	2.5	—	—	—	—	
	200	—	—	—	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H350	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xF(G)(K)(M)—PXR																							
	125	—	—	2.0	2.0	—	—	—	—	—	—	2.5	—	—	—	—	—	2.5	—	—	—	—	
	250	—	—	—	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG3xN(P)—PXR																							
	125	—	—	2.0	2.0	—	—	—	—	—	—	—	—	—	—	—	—	2.5	—	—	—	—	
	250	—	—	—	2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	H400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M)—T/M																							
	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG4xG(K)(M)—PXR																							
	800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PDG5xK(M)(N)(P)—PXR																							
	800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	1200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 3. Power Defense selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)							
		PDG4xG(K)(M) T/M		PDG4xG(K)(M) PXR		PDG5xK(M)(N)(P) PXR		PDG6xM(N)(P) PXR	
		Minimum trip	700	320	320	500	700	1000	1600
	Maximum trip	600	800	800	800	1200	1600	2000	2500
PDG3xN(P)–T/M									
100		—	—	—	22.0	22.0	35.0	35.0	35.0
200		—	—	—	18.0	18.0	35.0	35.0	35.0
400		—	—	—	18.0	18.0	35.0	35.0	35.0
H250		—	—	—	18.0	18.0	50.0	50.0	50.0
H300		—	—	—	18.0	18.0	50.0	50.0	50.0
H350		—	—	—	18.0	18.0	50.0	50.0	50.0
H400		—	—	—	18.0	18.0	50.0	50.0	50.0
600		—	—	—	—	18.0	42.0	42.0	42.0
PDG3xF(G)(K)(M)–PXR									
125		—	—	—	22.0	22.0	35.0	35.0	35.0
250		—	—	—	18.0	18.0	35.0	35.0	35.0
400		—	—	—	18.0	18.0	35.0	35.0	35.0
H250		—	—	—	18.0	18.0	25.0	35.0	35.0
H400		—	—	—	18.0	18.0	22.0	35.0	35.0
600		—	—	—	—	18.0	20.0	30.0	35.0
PDG3xN(P)–PXR									
125		—	—	—	22.0	22.0	35.0	35.0	35.0
250		—	—	—	18.0	18.0	35.0	35.0	35.0
400		—	—	—	18.0	18.0	35.0	35.0	35.0
H250		—	—	—	18.0	18.0	50.0	50.0	50.0
H400		—	—	—	18.0	18.0	50.0	50.0	50.0
600		—	—	—	—	18.0	42.0	42.0	42.0
PDG4xG(K)(M)–T/M									
300		—	—	—	18.0	18.0	25.0	35.0	35.0
400		—	—	—	—	18.0	22.0	35.0	35.0
600		—	—	—	—	18.0	20.0	30.0	30.0
800		—	—	—	—	—	—	—	—
PDG4xG(K)(M)–PXR									
800		—	—	—	—	—	—	—	—
PDG5xK(M)(N)(P)–PXR									
800		—	—	—	—	—	16.0	22.0	25.0
1200		—	—	—	—	—	—	18.0	18.0

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)															
		EG T/M		F T/M				F 310+			JD T/M			JG ETU			
		125 A	100 A	150 A	225 A	15 A	60 A	100 A	70 A	150 A	250 A	20 A	40 A	63 A	100 A		
	Minimum trip	125 A	100 A	200 A	225 A	80 A	160 A	225 A	125 A	225 A	250 A	50 A	100 A	160 A	250 A		
GHB/GHC family (10 kA at 600Y/347 Vac)																	
20		—	—	—	2.2	0.8	1.6	2.8	—	1.5	2.5	—	2.0	3.0	3.2		
30		—	—	—	2.2	—	1.6	2.8	—	1.5	2.5	—	2.0	3.0	3.2		
50		—	—	—	2.2	—	1.6	2.3	—	1.5	2.3	—	—	2.5	3.2		
70		—	—	—	2.2	—	—	2.3	—	—	2.3	—	—	2.2	3.2		
100		—	—	—	1.8	—	—	1.8	—	—	2.3	—	—	—	3.2		
EG family (25 kA at 600Y/347 Vac)																	
15		—	—	1.5	2.2	0.8	1.6	2.8	—	1.5	2.5	—	2.0	3.0	3.2		
30		—	—	1.5	2.2	0.8	1.6	2.8	—	1.5	2.5	—	2.0	3.0	3.2		
50		—	—	1.5	1.8	0.8	1.6	2.3	—	1.5	2.3	—	1.6	2.5	3.2		
60		—	—	—	2.2	—	1.6	2.3	—	1.5	2.3	—	—	2.2	3.2		
100		—	—	—	—	—	1.2	1.8	—	—	2.3	—	—	—	3.2		
125		—	—	—	—	—	—	1.8	—	—	2.3	—	—	—	—		
EG current limiting family (35 kA at 600Y/347 Vac)																	
15		—	—	1.5	2.2	0.8	1.6	2.8	—	1.5	2.5	—	2.0	3.0	3.2		
30		—	—	1.5	2.2	0.8	1.6	2.8	—	1.5	2.5	—	2.0	3.0	3.2		
50		—	—	1.5	1.8	0.8	1.6	2.3	—	1.5	2.3	—	1.6	2.5	3.2		
60		—	—	—	1.8	—	1.6	2.3	—	1.5	2.3	—	—	2.2	3.2		
100		—	—	—	—	—	1.2	1.8	—	—	2.3	—	—	—	3.2		
125		—	—	—	—	—	—	1.8	—	—	2.3	—	—	—	—		
F family																	
15		—	—	—	1.8	—	1.2	2.8	—	1.5	2.5	—	2.0	2.0	2.5		
40		—	—	—	1.8	—	1.2	2.3	—	1.5	2.5	—	—	1.8	2.5		
100		—	—	—	1.8	—	1.2	1.8	—	—	2.3	—	—	—	2.3		
225		—	—	—	—	—	—	—	—	—	—	—	—	—	—		
JG family																	
50		—	—	—	—	—	—	—	—	1.2	2.3	—	1.2	1.2	2.3		
100		—	—	—	—	—	—	—	—	—	2.3	—	—	—	2.3		
160		—	—	—	—	—	—	—	—	—	—	—	—	—	—		
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—		
JG current limiting family																	
50		—	—	—	—	—	—	—	—	—	2.3	—	1.2	1.2	2.3		
100		—	—	—	—	—	—	—	—	—	2.3	—	—	—	2.3		
160		—	—	—	—	—	—	—	—	—	—	—	—	—	—		
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—		

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)									
		K T/M			K ETU			LD T/M	LHH T/M		
		100 A	200 A	200 A	55 A	100 A	160 A	600 A	125 A	175 A	225 A
	Minimum trip	100 A	200 A	200 A	55 A	100 A	160 A	600 A	125 A	175 A	225 A
	Maximum trip	175 A	350 A	400 A	125 A	250 A	400 A	600 A	150 A	200 A	400 A
GHB/GHC family (10 kA at 600Y/347 Vac)											
20		—	2.7	3.2	2.7	3.2	4.5	—	—	—	—
30		—	2.7	3.2	—	3.2	4.5	—	—	—	—
50		—	2.7	3.2	—	3.2	4.2	—	—	—	—
70		—	2.5	3.2	—	3.2	4.2	—	—	—	—
100		—	2.5	3.2	—	3.2	4.2	—	—	—	—
EG family (25 kA at 600Y/347 Vac)											
15		2.0	2.5	3.2	2.5	3.2	5.6	25	10.0	25	25
30		2.0	2.5	3.2	2.5	3.2	5.6	21	7.5	14	25
50		1.6	2.5	3.2	2.5	3.2	5.2	18	3.2	10	18
60		—	2.5	2.5	2.5	3.2	5.2	18	3.2	10	18
100		—	2.5	2.5	—	3.2	5.2	18	—	10	18
125		—	—	2.3	—	3.2	5.2	18	—	10	18
EG current limiting family (35 kA at 600Y/347 Vac)											
15		2.0	2.5	3.2	2.5	3.2	5.6	35	10.0	35	35
30		2.0	2.5	3.2	2.5	3.2	5.6	22	7.5	30	35
50		1.6	2.5	3.2	2.5	3.2	5.2	22	3.2	10	22
60		—	2.5	2.5	2.5	3.2	5.2	22	3.2	10	22
100		—	2.5	2.5	—	3.2	5.2	20	—	10	22
125		—	—	2.3	—	3.2	5.2	20	—	10	22
F family											
15		2.0	2.5	3.2	2.5	3.2	5.0	12	7.5	7.5	22
40		—	2.5	3.2	2.5	3.2	4.2	12	3.2	3.2	16
100		—	2.3	2.3	—	3.2	4.0	12	—	—	12
225		—	—	2.3	—	—	4.0	12	—	—	12
JG family											
50		1.2	2.0	2.0	2.0	2.5	—	—	—	—	—
100		—	2.0	2.0	2.0	2.5	—	—	—	—	—
160		—	—	2.0	—	—	—	—	—	—	—
250		—	—	2.0	—	—	—	—	—	—	—
JG current limiting family											
50		0.4	2.0	2.0	2.0	2.5	—	—	—	—	—
100		—	2.0	2.0	2.0	2.5	—	—	—	—	—
160		—	—	2.0	—	—	—	—	—	—	—
250		—	—	2.0	—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)									
		K T/M			K ETU			LD T/M	LHH T/M		
		100 A	200 A	200 A	55 A	100 A	160 A	600 A	125 A	175 A	225 A
	Minimum trip	175 A	350 A	400 A	125 A	250 A	400 A	600 A	150 A	200 A	400 A
JD family											
70		—	2.0	2.0	—	2.5	—	—	—	—	—
125		—	—	2.0	—	2.5	—	—	—	—	—
250		—	—	2.0	—	—	—	—	—	—	—
LCL 250 current limiting family											
125		—	—	2.0	—	2.5	—	—	—	—	—
200		—	—	2.0	—	—	—	—	—	—	—
250		—	—	—	—	—	—	—	—	—	—
LCL 400 current limiting family											
200		—	—	2.0	—	—	—	—	—	—	—
300		—	—	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—
K family											
100		—	2.0	2.0	—	2.5	—	—	—	—	—
200		—	—	2.0	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—
LD family											
300		—	—	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—
600		—	—	—	—	—	—	—	—	—	—
LG family											
250		—	—	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—
600		—	—	—	—	—	—	—	—	—	—
LG current limiting family											
250		—	—	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—
600		—	—	—	—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)					
		LG ETU			LG T/M		NHH ETU
		100 A	160 A	250 A	600 A	150 A	200 A
	Minimum trip					350 A	
	Maximum trip	250 A	400 A	600 A	600 A	150 A	300 A
GHB/GHC family (10 kA at 600Y/347 Vac)							
20		—	—	—	—	—	—
30		—	—	—	—	—	—
50		—	—	—	—	—	—
70		—	—	—	—	—	—
100		—	—	—	—	—	—
EG family—T/M (35 kA at 600Y/347 Vac)							
15		16	16	16	16	—	—
30		10	10	10	10	—	—
50		10	10	10	10	—	—
60		10	10	10	10	—	—
100		10	10	10	10	—	—
125		10	10	10	10	—	—
F family							
15		10	10	10	25	25	25
40		10	10	10	10	25	25
100		10	10	10	10	—	25
225		—	—	—	10	—	25
JG family							
50		—	—	—	—	—	—
100		—	—	—	—	—	—
160		—	—	—	—	—	—
250		—	—	—	—	—	—
JG current limiting family							
50		—	—	—	—	—	—
100		—	—	—	—	—	—
160		—	—	—	—	—	—
250		—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)						
		LG ETU			LG T/M	NHH ETU		
		100 A	160 A	250 A		150 A	200 A	350 A
	Minimum trip	250 A	400 A	600 A	600 A	150 A	300 A	350 A
JD family								
70		—	—	—	—	—	—	—
125		—	—	—	—	—	—	—
250		—	—	—	—	—	—	—
LCL 250 current limiting family								
125		—	—	—	—	—	—	—
200		—	—	—	—	—	—	—
250		—	—	—	—	—	—	—
LCL 400 current limiting family								
200		—	—	—	—	—	—	—
300		—	—	—	—	—	—	—
400		—	—	—	—	—	—	—
K family								
100		—	—	—	—	—	—	—
200		—	—	—	—	—	—	—
400		—	—	—	—	—	—	—
LD family								
300		—	—	—	—	—	—	—
400		—	—	—	—	—	—	—
600		—	—	—	—	—	—	—
LG family								
250		—	—	—	—	—	—	—
400		—	—	—	—	—	—	—
600		—	—	—	—	—	—	—
LG current limiting family								
250		—	—	—	—	—	—	—
400		—	—	—	—	—	—	—
600		—	—	—	—	—	—	—
N family								
400		—	—	—	—	—	—	—
600		—	—	—	—	—	—	—
800		—	—	—	—	—	—	—
1200		—	—	—	—	—	—	—

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)									
		N ETU				R ETU					
		400 A	600 A	320 A	500 A	800 A	1000 A	1200 A	800 A	1000 A	1600 A
	Minimum trip	400 A	600 A	800 A	1200 A	800 A	1000 A	1200 A	1600 A	2000 A	2500 A
GHB/GHC family (10 kA at 600Y/347 Vac)											
20		10	10	10	10	10	10	10	10	10	10
30		10	10	10	10	10	10	10	10	10	10
50		10	10	10	10	10	10	10	10	10	10
70		10	10	10	10	10	10	10	10	10	10
100		10	10	10	10	10	10	10	10	10	10
EG family (25 kA at 600Y/347 Vac)											
15		25	25	25	25	25	25	25	25	25	25
30		25	25	25	25	25	25	25	25	25	25
50		25	25	25	25	25	25	25	25	25	25
60		25	25	25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25	25	25
125		25	25	25	25	25	25	25	25	25	25
EG current limiting family (35 kA at 600Y/347 Vac)											
15		35	35	35	35	35	35	35	35	35	35
30		35	35	35	35	35	35	35	35	35	35
50		35	35	35	35	35	35	35	35	35	35
60		35	35	35	35	35	35	35	35	35	35
100		35	35	35	35	35	35	35	35	35	35
125		35	35	35	35	35	35	35	35	35	35
F family											
15		25	25	25	25	25	25	25	25	25	25
40		25	25	25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25	25	25
225		25	25	25	25	25	25	25	25	25	25
JG family											
50		25	25	25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25	25	25
160		25	25	25	25	25	25	25	25	25	25
250		25	25	25	25	25	25	25	25	25	25
JG current limiting family											
50		35	35	35	35	35	35	35	35	35	35
100		35	35	35	35	35	35	35	35	35	35
160		35	35	35	35	35	35	35	35	35	35
250		30	30	30	30	35	35	35	35	35	35

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 4. Series C/G selective coordination combinations at 600 Vac (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)									
		N ETU					R ETU				
		400 A	600 A	320 A	500 A	800 A	1000 A	1200 A	800 A	1000 A	1600 A
	Minimum trip	400 A	600 A	800 A	1200 A	800 A	1000 A	1200 A	1600 A	2000 A	2500 A
JD family											
70		25	25	25	25	25	25	25	25	25	25
125		25	25	25	25	25	25	25	25	25	25
250		25	25	25	25	25	25	25	25	25	25
LCL 250 current limiting family											
125		35	35	35	35	50	50	50	50	50	50
200		35	35	35	35	50	50	50	50	50	50
250		26	26	26	26	50	50	50	50	50	50
LCL 400 current limiting family											
200		30	30	30	30	50	50	50	50	50	50
300		30	30	30	30	50	50	50	50	50	50
400		—	30	30	30	50	50	50	50	50	50
K family											
100		22	22	22	22	35	35	35	35	35	35
200		18	18	18	18	35	35	35	35	35	35
400		—	—	18	18	35	35	35	35	35	35
LD family											
300		—	—	18	18	25	25	25	25	35	35
400		—	—	—	18	—	22	22	22	35	35
600		—	—	—	18	—	20	20	20	30	30
LG family											
250		—	18	18	18	25	25	25	25	35	35
400		—	—	18	18	22	22	22	22	35	35
600		—	—	—	18	—	—	20	20	30	35
LG current limiting family											
250		—	18	18	18	25	42	42	50	50	50
400		—	—	18	18	22	35	35	50	50	50
600		—	—	—	18	—	—	30	42	42	42
N family											
400		—	—	—	12	16	16	16	16	22	25
600		—	—	—	12	—	—	16	16	22	25
800		—	—	—	—	—	—	—	16	22	25
1200		—	—	—	—	—	—	—	—	18	18

Note: — = Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 5. 0.1 s coordination tables—Power Defense—panelboard and switchboard breakers

Largest downstream (load) device		Upstream (line) device											
		100 A			125 A			150 A			175 A		
Thermal magnetic or static trip unit (PXR 10, 20, 25)		T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25
35 kAIC at 480 V / 65 kAIC at 240 V		PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G
50 kAIC at 480 V / 85 kAIC at 240 V													
65 kAIC at 480 V / 100 kAIC at 240 V		PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M
100 kAIC at 480 V / 200 kAIC at 240 V		PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P
Trip unit	Breaker type	Largest downstream amperage											
T/M	1-pole GHQ (14 kAIC)	20	20	20	20	20	20	20	20	20	20	20	20
T/M	1-pole GHQ (14 kAIC)/HGHB (25 kAIC)	20	60	60	20	60	60	20	60	60	100	100	100
T/M	3-pole GHB (14 kAIC)	20	60	60	20	60	60	20	60	60	100	100	100
T/M	PDG2_* (225 A frame)	X	X	70	15	45	80	15	90	100	100	100	100
PXR 10	PDG2_* (225 A frame)	60	X	80	80	100	100	100	100	125	125	150	150
PXR 20, 25	PDG2_* (225 A frame)	80	X	80	80	110	110	125	125	125	150	150	150
T/M	PDG3_* (400 A / 600 A frames)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 10	PDG3_* (400 A / 600 A frames)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 20, 25	PDG3_* (400 A / 600 A frames)	X	X	X	X	X	X	X	X	X	X	X	X
T/M	PDG4_* (800 A frame)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 10	PDG4_* (800 A frame)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 20, 25	PDG4_* (800 A frame)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 20, 25	PDG5_* (1200 A frame)	X	X	X	X	X	X	X	X	X	X	X	X

Table 5. 0.1 s coordination tables—Power Defense—panelboard and switchboard breakers (continued)

Largest downstream (load) device		Upstream (line) device											
		200 A			225 A			250 A			400 A		
Thermal magnetic or static trip unit (PXR 10, 20, 25)		T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25
35 kAIC at 480 V / 65 kAIC at 240 V		PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG2_G	PDG3_G	PDG3_G	PDG3_G	PDG3_G	PDG3_G	PDG3_G
50 kAIC at 480 V / 85 kAIC at 240 V													
65 kAIC at 480 V / 100 kAIC at 240 V		PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG2_M	PDG3_M	PDG3_M	PDG3_M	PDG3_M	PDG3_M	PDG3_M
100 kAIC at 480 V / 200 kAIC at 240 V		PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG2_P	PDG3_P	PDG3_P	PDG3_P	PDG3_P	PDG3_P	PDG3_P
Trip unit	Breaker type	Largest downstream amperage											
T/M	1-pole GHQ (14 kAIC)	20	20	20	20	20	20	20	20	20	20	20	20
T/M	1-pole GHQ (14 kAIC)/HGHB (25 kAIC)	100	100	100	100	100	100	100	100	100	100	100	100
T/M	3-pole GHB (14 kAIC)	100	100	100	100	100	100	100	100	100	100	100	100
T/M	PDG2_* (225 A frame)	125	110	125	125	125	150	150	125	150	225	200	225
PXR 10	PDG2_* (225 A frame)	150	150	175	150	150	200	200	200	225	225	225	225
PXR 20, 25	PDG2_* (225 A frame)	150	175	175	200	200	225	225	225	225	225	225	225
T/M	PDG3_* (400 A / 600 A frames)	X	X	X	X	X	X	X	X	100	225	125	200
PXR 10	PDG3_* (400 A / 600 A frames)	X	X	X	X	X	X	225	200	225	200	300	350
PXR 20, 25	PDG3_* (400 A / 600 A frames)	X	X	X	X	X	X	225	225	225	250	350	350
T/M	PDG4_* (800 A frame)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 10	PDG4_* (800 A frame)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 20, 25	PDG4_* (800 A frame)	X	X	X	X	X	X	X	X	X	X	X	X
PXR 20, 25	PDG5_* (1200 A frame)	X	X	X	X	X	X	X	X	X	X	X	X

Table 5. 0.1 s coordination tables—Power Defense—panelboard and switchboard breakers (continued)

Largest downstream (load) device		Upstream (line) device							
		600 A			800 A			1000 A	1200 A
Thermal magnetic or static trip unit (PXR 10, 20, 25)		T/M	PXR 10	PXR 20, 25	T/M	PXR 10	PXR 20, 25	PXR 20, 25	PXR 20, 25
35 kAIC at 480 V / 65 kAIC at 240 V		PDG3_G	PDG3_G	PDG3_G	PDG4_G	PDG4_G	PDG4_G		
50 kAIC at 480 V / 85 kAIC at 240 V								PDG5_K	PDG5_K
65 kAIC at 480 V / 100 kAIC at 240 V		PDG3_M	PDG3_M	PDG3_M	PDG4_M	PDG4_M	PDG4_M	PDG5_M	PDG5_M
100 kAIC at 480 V / 200 kAIC at 240 V		PDG3_P	PDG3_P	PDG3_P	PDG4_P	PDG4_P	PDG4_P	PDG5_P	PDG5_P
Trip unit	Breaker type	Largest downstream amperage							
T/M	1-pole GHQ (14 kAIC)	20	20	20	20	20	20	20	20
T/M	1-pole GHQ (14 kAIC)/HGHB (25 kAIC)	100	100	100	100	100	100	100	100
T/M	3-pole GHB (14 kAIC)	100	100	100	100	100	100	100	100
T/M	PDG2_* (225 A frame)	225	225	225	225	225	225	225	225
PXR 10	PDG2_* (225 A frame)	225	225	225	225	225	225	225	225
PXR 20, 25	PDG2_* (225 A frame)	225	225	225	225	225	225	225	225
T/M	PDG3_* (400 A / 600 A frames)	400	300	400	500	300	400	500	600
PXR 10	PDG3_* (400 A / 600 A frames)	500	450	500	600	600	700	600	600
PXR 20, 25	PDG3_* (400 A / 600 A frames)	500	500	500	600	700	700	600	600
T/M	PDG4_* (800 A frame)	X	X	X	400	300	400	500	600
PXR 10	PDG4_* (800 A frame)	X	X	X	600	600	700	800	800
PXR 20, 25	PDG4_* (800 A frame)	X	X	X	700	700	700	800	800
PXR 20, 25	PDG5_* (1200 A frame)	X	X	X	X	X	X	800	1000

Table 6. 0.1 s coordination tables—Series C/G—panelboard and switchboard breakers

Largest downstream (load) device			Upstream (line) device															
Thermal magnetic or electronic trip unit (310+ LSI)	100 A			125 A			150 A			175 A			200 A			225 A		
	T/M	T/M	310+	T/M	T/M	310+	T/M	T/M	310+	T/M	T/M	310+	T/M	T/M	310+	T/M	T/M	310+
35 kAIC at 480 V / 65 kAIC at 240 V	FD	JD	FDE	FD	JD	FDE	FD	JD	FDE	FD	JD	FDE	FD	JD	FDE	FD	JD	FDE
50 kAIC at 480 V / 85 kAIC at 240 V																		
65 kAIC at 480 V / 100 kAIC at 240 V	HFD	HJD	HFDE	HFD	HJD	HFDE	HFD	HJD	HFDE	HFD	HJD	HFDE	HFD	HJD	HFDE	HFD	HJD	HFDE
100 kAIC at 480 V / 200 kAIC at 240 V	FDC	JDC	FDCE	FDC	JDC	FDCE	FDC	JDC	FDCE	FDC	JDC	FDCE	FDC	JDC	FDCE	FDC	JDC	FDCE
Trip unit	Breaker type	Largest downstream amperage																
T/M	GHQ	X	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
T/M	GHC / GHB	X	15	60	X	60	90	X	100	100	100	100	100	100	100	100	100	100
T/M	FD / HFD / FDC	X	X	45	X	45	80	X	70	110	110	125	125	125	150	125	125	150
310+	FDE / HFDE / FDCE	80	80	80	80	100	100	100	125	100	150	150	150	160	175	150	175	200
T/M	JD / HJD / JDC	X	70	X	X	90	70	X	100	90	70	100	100	70	125	100	70	150
T/M	KD / HKD / KDC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
310+	KDE / HKDE / KDCE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T/M	LD / HLD / LDC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
310+	LD / HLD / LDC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T/M	LGE / LGH / LGC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
310+	LGE / LGH / LGC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T/M	MDL / HMDL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
310+	MDL / HMDL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
310+	NGS / NGH / NGC	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 6. 0.1 s coordination tables—Series C/G—panelboard and switchboard breakers (continued)

Largest downstream (load) device			Upstream (line) device									
Thermal magnetic or electronic trip unit (310+ LSI)			250 A		400 A		600 A		800 A		1000 A	1200 A
			T/M	T/M	310+	T/M	310+	T/M	310+	310+	310+	310+
35 kAIC at 480 V / 65 kAIC at 240 V			JD	KD	KDE	LD	LD	LGE	LGC			
50 kAIC at 480 V / 85 kAIC at 240 V										MDL	MDL	NGS
65 kAIC at 480 V / 100 kAIC at 240 V			HJD	HKD	HKDE	HLD	HLD	LGH	LGH	HMDL	HMDL	NGH
100 kAIC at 480 V / 200 kAIC at 240 V			JDC	KDC	KDCE	LDC	LDC	LGC	LGC		NGC	NGC
Trip unit	Breaker type	Largest downstream amperage										
T/M	GHQ	20	20	20	20	20	20	20	20	20	20	20
T/M	GHC / GHB	100	100	100	100	100	100	100	100	100	100	100
T/M	FD / HFD / FDC	150	225	225	225	225	225	225	225	225	225	225
310+	FDE / HFDE / FDCE	150	225	225	225	225	225	225	225	225	225	225
T/M	JD / HJD / JDC	175	200	200	250	250	250	250	250	250	250	250
T/M	KD / HKD / KDC	X	250	200	300	300	300	300	300	300	300	400
310+	KDE / HKDE / KDCE	X	350	350	400	400	400	400	400	400	400	400
T/M	LD / HLD / LDC	X	X	X	350	300	300	300	350	400	350	450
310+	LD / HLD / LDC	X	X	X	500	500	500	500	600	600	600	600
T/M	LGE / LGH / LGC	X	X	X	400	300	400	300	500	400	400	600
310+	LGE / LGH / LGC	X	X	X	400	500	500	500	600	600	600	600
T/M	MDL / HMDL	X	X	X	X	X	X	X	400	400	350	400
310+	MDL / HMDL	X	X	X	X	X	X	X	700	700	600	800
310+	NGS / NGH / NGC	X	X	X	X	X	X	X	X	X	700	1000

Note: Not applicable.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Downstream (branch) breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults.

Table 7. 0.1 s coordination tables—Series C/G complete list of breaker combinations

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)														
		EG T/M	F T/M	F T/M	F T/M	F 310+	F 310+	F 310+	F 310+	F 310+	F 310+	JD T/M	JD T/M	JD T/M	JG ETU	JG ETU
		125 A	100 A	150 A	225 A	50 A	80 A	100 A	150 A	200 A	225 A	70 A	150 A	250 A	50 A	70 A
Minimum trip	125 A	100 A	150 A	225 A	50 A	80 A	100 A	150 A	200 A	225 A	70 A	150 A	250 A	50 A	70 A	
Maximum trip	125 A	225 A	225 A	225 A	225 A	225 A	225 A	225 A	225 A	225 A	250 A	250 A	250 A	250 A	250 A	
BR, BAB, HQP, and QC (240 Vac, 10 kA) single-, two-, and three-pole																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
20	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
30	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
40	C	C	C	C	—	C	C	C	C	C	C	C	C	—	C	
50	C	—	C	C	—	—	C	C	C	C	—	C	C	—	C	
60	C	—	C	C	—	—	C	C	C	C	—	C	C	—	C	
70	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
80	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
90	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
100	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
125	—	—	—	—	—	—	—	—	—	C	—	—	C	—	—	
150	—	—	—	—	—	—	—	—	—	C	—	—	C	—	—	
BRH, QPHW, QBHW, and QCHW (240 Vac, 22 kA) single-, two-, and three-pole																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
20	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
30	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
40	C	C	C	C	—	C	C	C	C	C	C	C	C	C	—	
50	C	—	C	C	—	—	C	C	C	C	—	C	C	—	C	
60	C	—	C	C	—	—	C	C	C	C	—	C	C	—	C	
70	—	—	—	C	—	—	C	—	C	C	—	—	C	—	—	
80	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
90	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
100	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
125	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
150	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)																
20	C	C	C	C	—	C	C	C	C	C	C	C	C	C	—	
30	C	—	—	C	—	C	C	C	C	C	C	—	C	—	C	
50	—	—	—	C	—	—	C	C	C	C	C	—	C	—	C	
70	—	—	—	C	—	—	C	—	C	C	—	—	C	—	C	
100	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	—	
40	C	C	C	C	C	C	C	C	C	C	C	—	C	—	C	
50	—	—	C	C	—	—	C	C	C	C	C	—	C	—	C	
60	—	—	—	C	—	—	C	—	C	C	—	—	C	—	C	
70	—	—	—	C	—	—	C	—	C	C	—	—	C	—	C	
100	—	—	—	C	—	—	—	—	C	C	—	—	C	—	—	
FCL family current limiting (200 kA at 240 Vac, 150 kA at 480 Vac)																
15	—	—	—	C	—	—	—	C	C	C	—	C	C	—	C	
40	—	—	—	C	—	—	—	C	C	C	—	C	C	—	C	
50	—	—	—	C	—	—	—	C	C	C	—	C	C	—	—	
100	—	—	—	C	—	—	—	C	C	C	—	C	C	—	—	

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7. 0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type and trip unit	Line side breaker (standard and current limiting frames)														
		EG T/M	F T/M	F T/M	F T/M	F 310+	F 310+	F 310+	F 310+	F 310+	F 310+	JD T/M	JD T/M	JD T/M	JG ETU	JG ETU
		Minimum trip	125 A	100 A	150 A	225 A	50 A	80 A	100 A	150 A	200 A	225 A	70 A	150 A	250 A	50 A
	Maximum trip	125 A	225 A	225 A	225 A	225 A	225 A	225 A	225 A	225 A	225 A	250 A	250 A	250 A	250 A	250 A
EG family																
15	C	—	C	C	—	C	—	C	C	C	—	C	C	—	C	
20	C	—	C	C	—	C	—	C	C	C	—	C	C	—	C	
50	—	—	C	C	—	C	—	C	C	C	—	C	C	—	C	
60	—	—	—	C	—	—	—	C	C	C	—	C	C	—	—	
90	—	—	—	C	—	—	—	C	C	C	—	C	C	—	—	
100	—	—	—	—	—	—	—	C	C	C	—	—	C	—	—	
125	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
EG current limiting family																
15	C	—	C	C	—	C	—	C	C	C	—	C	C	—	C	
20	C	—	C	C	—	C	—	C	C	C	—	C	C	—	C	
50	—	—	C	C	—	C	—	C	C	C	—	C	C	—	C	
60	—	—	—	C	—	—	—	C	C	C	—	C	C	—	—	
90	—	—	—	C	—	—	—	C	C	C	—	C	C	—	—	
100	—	—	—	—	—	—	—	C	C	C	—	—	C	—	—	
125	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
F family (FD, HFD, FDC)																
15	—	—	—	C	—	—	C	C	C	C	—	C	C	—	C	
40	—	—	—	C	—	—	C	C	C	C	—	C	C	—	—	
70	—	—	—	C	—	—	C	C	C	C	—	C	C	—	—	
100	—	—	—	C	—	—	—	C	C	C	—	—	C	—	—	
125	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
150	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
JG family																
50	—	—	—	—	—	—	—	—	—	—	—	—	C	—	C	
100	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
JG current limiting family																
50	—	—	—	—	—	—	—	—	—	—	—	—	C	—	C	
100	—	—	—	—	—	—	—	—	—	—	—	—	C	—	—	
150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
225	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
250	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7.0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side trip breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)														
		JG ETU	JG ETU	JG ETU	JG ETU	K T/M	K T/M	K T/M	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU
		100 A	150 A	200 A	250 A	100 A	200 A	400 A	70 A	100 A	125 A	150 A	200 A	225 A	250 A	300 A
	Minimum trip	250 A	250 A	250 A	250 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A
	Maximum trip	250 A	250 A	250 A	250 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A
BR, BAB, HQP, and QC (240 Vac, 10 kA) single-, two-, and three-pole																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
20	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50	C	C	C	C	C	C	C	C	—	—	C	C	C	C	C	C
60	C	C	C	C	C	C	C	C	—	—	C	C	C	C	C	C
70	C	C	C	C	C	C	C	C	—	—	—	—	—	C	C	C
80	—	C	C	C	—	C	C	C	—	—	—	—	—	C	C	C
90	—	C	C	C	—	C	C	C	—	—	—	—	—	C	C	C
100	—	C	C	C	—	C	C	C	—	—	—	—	—	C	C	C
125	—	—	—	—	C	—	—	C	—	—	—	—	—	—	—	—
150	—	—	—	—	C	—	—	C	—	—	—	—	—	—	—	—
BRH, QPHW, QBHW, and QCHW (240 Vac, 22 kA) single-, two-, and three-pole																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
20	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50	C	C	C	C	C	C	C	C	—	—	C	C	C	C	C	C
60	C	C	C	C	C	C	C	C	—	—	C	C	C	C	C	C
70	C	C	C	C	C	C	C	C	—	—	—	—	—	C	C	C
80	—	C	C	C	—	C	C	C	—	—	—	—	—	C	C	C
90	—	C	C	C	—	C	C	C	—	—	—	—	—	C	C	C
100	—	C	C	C	—	C	C	C	—	—	—	—	—	C	C	C
125	—	—	—	—	C	—	—	C	—	—	—	—	—	—	—	—
150	—	—	—	—	C	—	—	C	—	—	—	—	—	—	—	—
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)																
20	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
30	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
50	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
70	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
100	—	C	C	C	—	C	C	C	—	—	—	C	C	C	C	C
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)																
15	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
40	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
50	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
60	C	C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
70	C	C	C	C	—	C	C	C	—	—	—	C	C	C	C	C
100	—	C	C	C	—	C	C	C	—	—	—	C	C	C	C	C
FCL family current limiting (200 kA at 240 Vac, 150 kA at 480 Vac)																
15	C	C	C	C	—	C	C	C	—	—	C	C	C	C	C	C
40	C	C	C	C	—	C	C	C	—	—	—	C	C	C	C	C
50	—	C	C	C	—	C	C	C	—	—	—	—	C	C	C	C
100	—	C	C	C	—	C	C	C	—	—	—	—	C	C	C	C

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7. 0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)															
		JG ETU	JG ETU	JG ETU	JG ETU	K T/M	K T/M	K T/M	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	
		Minimum trip	100 A	150 A	200 A	250 A	100 A	200 A	400 A	70 A	100 A	125 A	150 A	200 A	225 A	250 A	300 A
	Maximum trip	250 A	250 A	250 A	250 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	
EG family																	
15		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
20		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
50		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
60		C	C	C	C	—	C	C	—	—	C	C	C	C	C	C	
90		—	C	C	C	—	C	C	—	—	—	—	C	C	C	C	
100		—	—	C	C	—	C	C	—	—	—	—	C	C	C	C	
125		—	—	—	C	—	—	C	—	—	—	—	—	—	C	C	
EG current limiting family																	
15		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
20		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
50		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
60		C	C	C	C	—	C	C	—	—	C	C	C	C	C	C	
90		—	C	C	C	—	C	C	—	—	—	—	C	C	C	C	
100		—	—	C	C	—	C	C	—	—	—	—	C	C	C	C	
125		—	—	—	C	—	—	C	—	—	—	—	—	—	C	C	
F family (FD, HFD, FDC)																	
15		C	C	C	C	C	C	C	—	—	C	C	C	C	C	C	
40		C	C	C	C	C	C	C	—	—	—	C	C	C	C	C	
70		—	C	C	C	—	C	C	—	—	—	—	C	C	C	C	
100		—	C	C	C	—	C	C	—	—	—	—	C	C	C	C	
125		—	—	C	C	—	C	C	—	—	—	—	—	C	C	C	
150		—	—	—	C	—	C	C	—	—	—	—	—	—	—	C	
225		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
JG family																	
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
100		—	—	C	C	—	C	C	—	—	C	C	C	C	C	C	
150		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
175		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
200		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
225		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
JG current limiting family																	
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
100		—	—	C	C	—	C	C	—	—	C	C	C	C	C	C	
150		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
175		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
200		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
225		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—	
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7.0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)														
		JG ETU	JG ETU	JG ETU	JG ETU	K T/M	K T/M	K T/M	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU	K ETU
		100 A	150 A	200 A	250 A	100 A	200 A	400 A	70 A	100 A	125 A	150 A	200 A	225 A	250 A	300 A
	Minimum trip	100 A	150 A	200 A	250 A	100 A	200 A	400 A	70 A	100 A	125 A	150 A	200 A	225 A	250 A	300 A
	Maximum trip	250 A	250 A	250 A	250 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A	400 A
JD family																
70		—	—	—	—	—	C	C	—	—	—	—	C	C	C	C
100		—	—	—	—	—	—	C	—	—	—	—	—	C	C	C
125		—	—	—	—	—	—	C	—	—	—	—	—	—	—	C
175		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
225		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
250		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LCL 250 current limiting family																
150		—	—	—	—	—	—	C	—	—	—	—	C	C	C	C
200		—	—	—	—	—	—	C	—	—	—	—	—	—	—	C
225		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
250		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
LCL 400 current limiting family																
225		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
275		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
300		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
K family																
100		—	—	—	—	—	C	C	—	—	—	—	—	—	C	C
150		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
200		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
250		—	—	—	—	—	—	C	—	—	—	—	—	—	—	—
300		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7. 0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)														
		K ETU	LD T/M	LD T/M	LD T/M	LD ETU	LD ETU	LD ETU	LG ETU	LG ETU	LG ETU	LG ETU	N ETU	N ETU	N ETU	N ETU
	Minimum trip	400 A	300 A	400 A	600 A	300 A	400 A	600 A	250 A	300 A	400 A	500 A	400 A	600 A	800 A	1000 A
	Maximum trip	400 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	1200 A	1200 A	1200 A	1200 A
BR, BAB, HQP, and QC (240 Vac, 10 kA) single-, two-, and three-pole																
15		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
20		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
60		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
70		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
80		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
90		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
125		C	C	C	C	—	C	C	C	C	C	C	C	C	C	C
150		C	C	C	C	—	C	C	C	C	C	C	C	C	C	C
BRH, QPHW, QBHW, and QCHW (240 Vac, 22 kA) single-, two-, and three-pole																
15		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
20		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
60		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
70		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
80		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
90		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
125		C	C	C	C	—	C	C	C	C	C	C	C	C	C	C
150		C	C	C	C	—	C	C	C	C	C	C	C	C	C	C
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)																
20		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
30		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
70		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)																
15		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
60		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
70		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
FCL family current limiting (200 kA at 240 Vac, 150 kA at 480 Vac)																
15		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7.0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)														
		K ETU	LD T/M	LD T/M	LD T/M	LD ETU	LD ETU	LD ETU	LG ETU	LG ETU	LG ETU	LG ETU	N ETU	N ETU	N ETU	N ETU
		400 A	300 A	400 A	600 A	300 A	400 A	600 A	250 A	300 A	400 A	500 A	400 A	600 A	800 A	1000 A
Minimum trip	400 A	300 A	400 A	600 A	300 A	400 A	600 A	250 A	300 A	400 A	500 A	400 A	600 A	800 A	1000 A	
Maximum trip	400 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	1200 A	1200 A	1200 A	1200 A
EG family																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
20	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
60	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
90	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
125	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
EG current limiting family																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
20	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
50	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
60	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
90	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
125	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
F family (FD, HFD, FDC)																
15	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
40	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
70	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
125	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
150	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
225	—	—	C	C	—	—	C	—	—	C	C	—	C	C	C	C
JG family																
50	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
150	C	C	C	C	—	—	C	C	—	C	C	C	C	C	C	C
175	C	C	C	C	—	—	C	C	—	C	C	—	C	C	C	C
200	—	C	C	C	—	—	C	C	—	C	C	—	C	C	C	C
225	—	—	C	C	—	—	—	C	—	C	C	—	—	C	C	C
250	—	—	C	C	—	—	—	—	—	—	—	—	—	C	C	C
JG current limiting family																
50	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
150	C	C	C	C	—	—	C	C	—	C	C	C	C	C	C	C
175	C	C	C	C	—	—	C	C	—	C	C	—	C	C	C	C
200	—	C	C	C	—	—	C	C	—	C	C	—	C	C	C	C
225	—	—	C	C	—	—	—	C	—	C	C	—	—	C	C	C
250	—	—	C	C	—	—	—	—	—	—	—	—	—	C	C	C

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7.0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

		Line side breaker (standard and current limiting frames)														
		K ETU	LD T/M	LD T/M	LD T/M	LD ETU	LD ETU	LD ETU	LG ETU	LG ETU	LG ETU	LG ETU	N ETU	N ETU	N ETU	N ETU
Load side breaker	Breaker family type trip unit															
	Minimum trip	400 A	300 A	400 A	600 A	300 A	400 A	600 A	250 A	300 A	400 A	500 A	400 A	600 A	800 A	1000 A
	Maximum trip	400 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	600 A	1200 A	1200 A	1200 A	1200 A
JD family																
70		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
100		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
125		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
175		C	C	C	C	C	C	C	C	—	C	C	C	C	C	C
225		—	—	C	C	—	—	C	—	—	C	C	—	C	C	C
250		—	—	C	C	—	—	C	—	—	—	—	—	C	C	C
LCL 250 current limiting family																
150		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
200		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
225		C	C	C	C	—	C	C	C	C	C	C	C	C	C	C
250		C	C	C	C	—	C	C	—	C	C	C	C	C	C	C
LCL 400 current limiting family																
225		C	—	C	C	—	C	C	C	C	C	C	C	C	C	C
275		C	—	C	C	—	—	C	—	—	C	C	C	C	C	C
300		—	—	C	C	—	—	C	—	—	C	C	—	C	C	C
400		—	—	—	C	—	—	C	—	—	—	—	—	C	C	C
K family																
100		C	C	C	C	C	C	C	—	C	C	C	C	C	C	C
150		C	C	C	C	—	C	C	—	C	C	C	C	C	C	C
200		—	—	C	C	—	—	C	—	—	C	C	—	C	C	C
250		—	—	—	C	—	—	C	—	—	—	C	—	C	C	C
300		—	—	—	C	—	—	—	—	—	—	—	—	—	C	C
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
LD family																
300		—	—	—	C	—	—	—	—	—	—	—	—	—	C	C
350		—	—	—	C	—	—	—	—	—	—	—	—	—	—	C
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
500		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
LG family																
300		—	—	—	C	—	—	C	—	—	—	—	—	C	C	C
350		—	—	—	C	—	—	—	—	—	—	—	—	—	C	C
400		—	—	—	C	—	—	—	—	—	—	—	—	—	C	C
500		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
LG current limiting family																
300		—	—	—	C	—	—	C	—	—	—	—	—	C	C	C
350		—	—	—	C	—	—	—	—	—	—	—	—	—	C	C
400		—	—	—	C	—	—	—	—	—	—	—	—	—	C	C
500		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
N family																
400		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
600		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
800		—	—	—	—	—	—	—	—	—	—	—	—	—	—	C
1200		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7. 0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)					
		R ETU	R ETU	R ETU	R ETU	R ETU	R ETU
		800 A	1000 A	1200 A	1600 A	2000 A	2500 A
		2500 A	2500 A	2500 A	2500 A	2500 A	2500 A
BR, BAB, HQP, and QC (240 Vac, 10 kA) single-, two-, and three-pole							
15		C	C	C	C	C	C
20		C	C	C	C	C	C
30		C	C	C	C	C	C
40		C	C	C	C	C	C
50		C	C	C	C	C	C
60		C	C	C	C	C	C
70		C	C	C	C	C	C
80		C	C	C	C	C	C
90		C	C	C	C	C	C
100		C	C	C	C	C	C
125		C	C	C	C	C	C
150		C	C	C	C	C	C
BRH, QPHW, QBHW, and QCHW (240 Vac, 22 kA) single-, two-, and three-pole							
15		C	C	C	C	C	C
20		C	C	C	C	C	C
30		C	C	C	C	C	C
40		C	C	C	C	C	C
50		C	C	C	C	C	C
60		C	C	C	C	C	C
70		C	C	C	C	C	C
80		C	C	C	C	C	C
90		C	C	C	C	C	C
100		C	C	C	C	C	C
125		C	C	C	C	C	C
150		C	C	C	C	C	C
GHB/GHC family (65 kA at 240 Vac, 14 kA at 480Y/277 Vac)							
20		C	C	C	C	C	C
30		C	C	C	C	C	C
50		C	C	C	C	C	C
70		C	C	C	C	C	C
100		C	C	C	C	C	C
GD family (65 kA at 240 Vac, 22 kA at 480 Vac)							
15		C	C	C	C	C	C
40		C	C	C	C	C	C
50		C	C	C	C	C	C
60		C	C	C	C	C	C
70		C	C	C	C	C	C
100		C	C	C	C	C	C
FCL family current limiting (200 kA at 240 Vac, 150 kA at 480 Vac)							
15		C	C	C	C	C	C
40		C	C	C	C	C	C
50		C	C	C	C	C	C
100		C	C	C	C	C	C

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7.0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)					
		R ETU	R ETU	R ETU	R ETU	R ETU	R ETU
		800 A	1000 A	1200 A	1600 A	2000 A	2500 A
Minimum trip		800 A	1000 A	1200 A	1600 A	2000 A	2500 A
Maximum trip		2500 A	2500 A	2500 A	2500 A	2500 A	2500 A
EG family							
15		C	C	C	C	C	C
20		C	C	C	C	C	C
50		C	C	C	C	C	C
60		C	C	C	C	C	C
90		C	C	C	C	C	C
100		C	C	C	C	C	C
125		C	C	C	C	C	C
EG current limiting family							
15		C	C	C	C	C	C
20		C	C	C	C	C	C
50		C	C	C	C	C	C
60		C	C	C	C	C	C
90		C	C	C	C	C	C
100		C	C	C	C	C	C
125		C	C	C	C	C	C
F family (FD, HFD, FDC)							
15		C	C	C	C	C	C
40		C	C	C	C	C	C
70		C	C	C	C	C	C
100		C	C	C	C	C	C
125		C	C	C	C	C	C
150		C	C	C	C	C	C
225		C	C	C	C	C	C
JG family							
50		C	C	C	C	C	C
100		C	C	C	C	C	C
150		C	C	C	C	C	C
175		C	C	C	C	C	C
200		C	C	C	C	C	C
225		C	C	C	C	C	C
250		C	C	C	C	C	C
JG current limiting family							
50		C	C	C	C	C	C
100		C	C	C	C	C	C
150		C	C	C	C	C	C
175		C	C	C	C	C	C
200		C	C	C	C	C	C
225		C	C	C	C	C	C
250		C	C	C	C	C	C

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 7. 0.1 s coordination tables—Series C/G complete list of breaker combinations (continued)

Load side breaker	Breaker family type trip unit	Line side breaker (standard and current limiting frames)					
		R ETU	R ETU	R ETU	R ETU	R ETU	R ETU
		800 A	1000 A	1200 A	1600 A	2000 A	2500 A
	Minimum trip	800 A	1000 A	1200 A	1600 A	2000 A	2500 A
	Maximum trip	2500 A	2500 A	2500 A	2500 A	2500 A	2500 A
JD family							
70		C	C	C	C	C	C
100		C	C	C	C	C	C
125		C	C	C	C	C	C
175		C	C	C	C	C	C
225		C	C	C	C	C	C
250		C	C	C	C	C	C
LCL 250 current limiting family							
150		C	C	C	C	C	C
200		C	C	C	C	C	C
225		C	C	C	C	C	C
250		C	C	C	C	C	C
LCL 400 current limiting family							
225		C	C	C	C	C	C
275		C	C	C	C	C	C
300		C	C	C	C	C	C
400		C	C	C	C	C	C
K family							
100		C	C	C	C	C	C
150		C	C	C	C	C	C
200		C	C	C	C	C	C
250		C	C	C	C	C	C
300		C	C	C	C	C	C
400		—	C	C	C	C	C
LD family							
300		C	C	C	C	C	C
350		—	C	C	C	C	C
400		—	C	C	C	C	C
500		—	—	C	C	C	C
600		—	—	—	C	C	C
LG family							
300		C	C	C	C	C	C
350		C	C	C	C	C	C
400		—	C	C	C	C	C
500		—	C	C	C	C	C
600		—	—	—	C	C	C
LG current limiting family							
300		C	C	C	C	C	C
350		C	C	C	C	C	C
400		—	C	C	C	C	C
500		—	C	C	C	C	C
600		—	—	—	C	C	C
N family							
400		C	C	C	C	C	C
600		C	C	C	C	C	C
800		—	C	C	C	C	C
1200		—	—	—	C	C	C

Note: — = Not applicable.

C = Coordinated for the period of time that a fault's duration extends beyond 0.1 seconds.

The table indicates the maximum currents the breaker curves indicates, at 0.1 second and above, the load side breaker will trip first. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. The line side breaker is assumed to be set at maximum settings. Refer to Eaton time current curves for combinations not listed in the table.

Table 8. Power Defense (LVPCB)—Series C/G coordination combinations (600 Vac or less)

Load side breaker	Line side LVPCB							
	Power Defense NF / Series NRX™ NF		Power Defense RF / Series NRX RF					
	800	1200	800	1200	1600	2000	2500	3000
EG family								
15	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T
F family								
15	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T
JG family								
50	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T
160	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T
JD family								
70	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T
K family								
100	T	T	T	T	T	T	T	T
225	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T
LD family								
250	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T
600	—	T	—	T	T	T	T	T
LG family								
250	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T
600	—	T	—	T	T	T	T	T
N family								
800	—	T	—	T	T	T	T	T
1200	—	—	—	—	T	T	T	T
1600	—	—	—	—	—	T	T	T

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 8. Power Defense (LVPCB)—Series C/G coordination combinations (600 Vac or less) (continued)

Load side breaker	Line side LVPCB							
	Power Defense NF / Series NRX NF		Power Defense RF / Series NRX RF					
	800	1200	800	1200	1600	2000	2500	3000
PDG1xC(F)(G)(K)(M)(N)(P)—T/M								
15	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T
PDG2xF(G)(K)(M)(N)(P)—T/M								
15	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T
150	T	T	T	T	T	T	T	T
225	T	T	T	T	T	T	T	T
PDG2xF(G)(K)(M)(N)(P)—PXR								
60	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T
150	T	T	T	T	T	T	T	T
225	T	T	T	T	T	T	T	T
PDG3xF(G)(K)(M)(N)(P)—T/M								
250	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T
H250	T	T	T	T	T	T	T	T
H400	T	T	T	T	T	T	T	T
500	—	T	—	T	T	T	T	T
600	—	T	—	T	T	T	T	T
PDG3xF(G)(K)(M)(N)(P)—PXR								
400	T	T	T	T	T	T	T	T
600	T	T	T	T	T	T	T	T
PDG4xG(K)(M)—T/M								
300	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T
600	—	—	—	—	T	T	T	T
800	—	—	—	—	T	T	T	T
PDG4xG(K)(M)—PXR								
800	T	T	T	T	T	T	T	T

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 9. Magnum PXR™ (LVPCB)—Series C/G coordination combinations (600 Vac or less)

Load side breaker	Line side LVPCB																		
	MPN-4XX 42 kA			MPS-408 42 kA	MPN-5XX 50 kA			MPN-6XX 65 kA				MPS-6XX 65 kA							
	800	1200	1600	800	800	1200	1600	800	1200	1600	2000	800	1200	1600	2000	2500	3000	3200	
EG family																			
15	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
40	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
F family																			
15	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
40	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
JG family																			
50	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
160	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
JD family																			
70	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
K family																			
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
225	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
LD family																			
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
600	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
LG family																			
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
600	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
N family																			
800	—	T	T	—	—	T	T	—	T	T	T	—	T	T	T	T	T	T	
1200	—	—	T	—	—	—	T	—	—	—	T	—	—	T	T	T	T	T	
1600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	T	T	T	T	

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 9. Magnum PXR (LVPCB)—Series C/G coordination combinations (600 Vac or less) (continued)

Load side breaker	Line side LVPCB																			
	MPS-8XX 85 kA										MPN-C20 100 kA		MPS-CXX 100 kA							
	800	1200	1600	2000	2500	3000	3200	4000	5000	800	800	1200	1600	2000	2500	3000	3200	4000	5000	6000
EG family																				
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
F family																				
15	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
JG family																				
50	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
160	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
250	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
JD family																				
70	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
K family																				
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
225	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
50	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
LD family																				
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
600	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
LG family																				
250	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
400	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
600	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
N family																				
800	—	T	T	T	T	T	T	T	T	—	—	T	T	T	T	T	T	T	T	T
1200	—	—	T	T	T	T	T	T	T	—	—	—	T	T	T	T	T	T	T	T
1600	—	—	—	T	T	T	T	T	T	—	—	—	—	T	T	T	T	T	T	T

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 10. Magnum DS™ (LVPCB)—Series C/G coordination combinations (600 Vac or less)

Load side breaker	Line side LVPCB																	
	MDN-4XX 42 kA			MDS-408 42 kA	MDN-5XX 50 kA			MDN-6XX 65 kA				MDS-6XX 65 kA						
	800	1200	1600	800	800	1200	1600	800	1200	1600	2000	800	1200	1600	2000	2500	3000	3200
EG family																		
15	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
F family																		
15	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
JG family																		
50	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
160	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
JD family																		
70	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
K family																		
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
225	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
LD family																		
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
600	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
LG family																		
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
600	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
N family																		
800	—	T	T	—	—	T	T	—	T	T	T	—	T	T	T	T	T	T
1200	—	—	T	—	—	—	T	—	—	—	T	—	—	T	T	T	T	T
1600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	T	T	T	T

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 10. Magnum DS (LVPCB)—Series C/G coordination combinations (600 Vac or less) (continued)

Load side breaker	Line side LVPCB																			
	MDS-8XX 85 kA										MDN-C20 100 kA	MDS-CXX 100 kA								
	800	1200	1600	2000	2500	3000	3200	4000	5000	800	800	1200	1600	2000	2500	3000	3200	4000	5000	6000
EG family																				
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
F family																				
15	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
JG family																				
50	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
160	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
250	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
JD family																				
70	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
K family																				
100	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
225	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
50	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
LD family																				
250	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
400	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
600	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
LG family																				
250	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
400	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
600	—	—	—	—	—	—	—	—	—	T	—	—	—	—	—	—	—	—	—	—
N family																				
800	—	T	T	T	T	T	T	T	T	—	—	T	T	T	T	T	T	T	T	T
1200	—	—	T	T	T	T	T	T	T	—	—	—	T	T	T	T	T	T	T	T
1600	—	—	—	T	T	T	T	T	T	—	—	—	—	T	T	T	T	T	T	T

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 10. Magnum DS (LVPCB)—Series C/G coordination combinations (600 Vac or less) (continued)

Load side breaker	Line side LVPCB								
	MDS-X20 200 kA				MDS-X40 200 kA				
	800	1200	1600	2000	2000	2500	3000	3200	4000
EG family									
15	T	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T
F family									
15	T	T	T	T	T	T	T	T	T
40	T	T	T	T	T	T	T	T	T
100	T	T	T	T	T	T	T	T	T
125	T	T	T	T	T	T	T	T	T
JG family									
50	—	—	—	—	T	T	T	T	T
100	—	—	—	—	T	T	T	T	T
160	—	—	—	—	T	T	T	T	T
250	—	—	—	—	T	T	T	T	T
JD family									
70	—	—	—	—	T	T	T	T	T
125	—	—	—	—	T	T	T	T	T
250	—	—	—	—	T	T	T	T	T
K family									
100	—	—	—	—	T	T	T	T	T
225	—	—	—	—	T	T	T	T	T
250	—	—	—	—	T	T	T	T	T
400	—	—	—	—	T	T	T	T	T
LD family									
250	—	—	—	—	T	T	T	T	T
400	—	—	—	—	T	T	T	T	T
600	—	—	—	—	T	T	T	T	T
LG family									
250	—	—	—	—	T	T	T	T	T
400	—	—	—	—	T	T	T	T	T
600	—	—	—	—	T	T	T	T	T

Note: — = Not applicable.

T = Total coordination up to the interrupting rating of the line side breaker.

The table indicates the maximum fault current value expressed in kA for which coordination is ensured. Load side breakers' AIC ratings must be sized for the appropriate fault level at the installation point (for standalone or series combination ratings). Short time delay settings or magnetic trip settings must be set to properly coordinate for low level faults. Refer to Eaton time current curves for combinations not listed in the table.

Table 11. Miniature circuit breaker ratings ①

Circuit breaker type	Circuit breaker type code	Continuous ampere rating at 40 °C	Number of poles	AC volts	Federal specification W-C-375b	UL listed interrupting ratings (rms symmetrical amperes)		
						AC ratings volts		
						120	120/240	240
HQP	Plug-in	10–70	1	120/240	10a, 11a, 12a	—	10,000	—
HQP	Plug-in	10–125	2	120/240	10a, 12a	—	10,000	—
HQP	Plug-in	10–100	2, 3	240	10b, 11b, 12b	—	—	10,000
QPHW	Plug-in	15–70	1	120/240	14a	—	22,000	—
QPHW	Plug-in	15–125	2	120/240	14a	—	22,000	—
QPHW	Plug-in	15–100	2,3	240	14b	—	—	22,000
BR ②	Plug-in	10–70	1	120/240	—	—	10,000	—
BR ②	Plug-in	10–150	2	120/240	—	—	10,000	—
BR ②	Plug-in	10–100	3	240	—	—	—	10,000
BRH ②	Plug-in	15–70	1	120/240	—	—	22,000	—
BRH ②	Plug-in	15–125	2	120/240	—	—	22,000	—
BRH ②	Plug-in	15–100	3	240	—	—	—	22,000
QC ③	Cable-in/cable-out	10–70	1	120/240	10a, 11a, 12a	—	10,000	—
QC ③	Cable-in/cable-out	10–100	2	120/240	10a, 12a	—	10,000	—
QC ③	Cable-in/cable-out	10–100	2, 3, 4	240	10b, 11b, 12b	—	—	10,000
QCHW ③	Cable-in/cable-out	15–70	1	120/240	14a	—	22,000	—
QCHW ③	Cable-in/cable-out	15–100	2	120/240	14a	—	22,000	—
QCHW ③	Cable-in/cable-out	15–100	2, 3	240	14b	—	—	22,000
BAB	Bolt-on	10–70	1	120/240	10a, 11a, 12a	—	10,000	—
BAB	Bolt-on	10–125	2	120/240	10a, 12a	—	10,000	—
BAB	Bolt-on	10–100	2, 3	240	10b, 11b, 12b	—	—	10,000
QBHW	Bolt-on	15–70	1	120/240	—	—	22,000	—
QBHW	Bolt-on	15–125	2	120/2240	—	—	22,000	—
QBHW	Bolt-on	15–100	2, 3	240	—	—	—	22,000

① QUICKLAG® circuit breakers are suitable for application in relative humidity 0–95% noncondensing.

② The BR and the BRH as loadcenter breakers.

③ The QC and QCHW as cable-in/cable-out breaker (non panelboard mounted breakers).

Table 12. Power Defense circuit breaker UL/CSA ratings

Circuit breaker type	Continous ampere rating at 40 °C	Number of poles	Maximum rated AC volts	Type of trip ①	Federal specification W-C-375b	UL listed interruption ratings (rms symmetrical amperes)					
						AC ratings volts					
						120	240	277	347	480	600
PDG1-Frame											
PDG11C	15–125	1	347	N.I.T.		35,000	25,000	18,000	10,000	—	—
PDG1xC ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	25,000	—	10,000	18,000	10,000
PDG11F	15–125	1	347	N.I.T.		—	35,000	25,000	14,000	—	—
PDG1xF ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	35,000	—	14,000	25,000	14,000
PDG11G	15–125	1	347	N.I.T.		100,000	65,000	35,000	18,000	—	—
PDG1xG ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	65,000	—	18,000	35,000	18,000
PDG11K	15–125	1	347	N.I.T.		—	85,000	50,000	22,000	—	—
PDG1xK ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	85,000	—	22,000	50,000	22,000
PDG11M	15–125	1	347	N.I.T.		—	100,000	65,000	25,000	—	—
PDG1xM ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	100,000	—	25,000	65,000	25,000
PDG1xN ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	150,000	—	30,000	85,000	30,000
PDG1xP ②	15–125	2, 3, 4	600Y/347 or 480	N.I.T.		—	200,000	—	35,000	100,000	35,000
PDG2-Frame											
PDG21F	15–225	1	347	N.I.T.		—	35,000	25,000	14,000	—	—
PDG2xF ②	15–225	2, 3, 4	600	N.I.T.		—	35,000	—	—	25,000	14,000
PDG21G	15–225	1	347	N.I.T.		—	65,000	35,000	18,000	—	—
PDG2xG ②	15–225	2, 3, 4	600	N.I.T.		—	65,000	—	—	35,000	18,000
PDG21K	15–225	1	347	N.I.T.		—	85,000	50,000	22,000	—	—
PDG2xK ②	15–225	2, 3, 4	600	N.I.T.		—	85,000	—	—	50,000	22,000
PDG21M	15–225	1	347	N.I.T.		—	100,000	65,000	25,000	—	—
PDG2xM ②	15–225	2, 3, 4	600	N.I.T.		—	100,000	—	—	65,000	25,000
PDG21N	15–225	1	347	N.I.T.		—	150,000	85,000	30,000/ 25,000 ③	—	—
PDG2xN ②	15–225	2, 3, 4	600	N.I.T.		—	150,000	—	—	85,000	30,000/ 25,000 ③
PDG21P	15–225	1	347	N.I.T.		—	200,000	100,000	35,000/ 25,000 ③	—	—
PDG2xP ②	15–225	2, 3, 4	600	N.I.T.		—	200,000	—	—	100,000	35,000/ 25,000 ③
PDG3-Frame											
PDG3xF ②④	45–600	2, 3, 4	600	I.T.		—	35,000	—	—	25,000	14,000
PDG3xG ②④	45–600	2, 3, 4	600	I.T.		—	65,000	—	—	35,000	18,000
PDG3xK ②④	45–600	2, 3, 4	600	I.T.		—	85,000	—	—	50,000	25,000
PDG3xM ②④	45–600	2, 3, 4	600	I.T.		—	100,000	—	—	65,000	35,000
PDG3xN ②	45–600	2, 3, 4	600	I.T.		—	150,000	—	—	85,000	50,000
PDG3xP ②	45–600	2, 3, 4	600	I.T.		—	200,000	—	—	100,000	65,000
PDG4-Frame											
PDG4xG ②④	300–800	2, 3, 4	600	I.T.		—	65,000	—	—	35,000	18,000
PDG4xK ②④	300–800	2, 3, 4	600	I.T.		—	85,000	—	—	50,000	25,000
PDG4xM ②④	300–800	2, 3, 4	600	I.T.		—	100,000	—	—	65,000	35,000
PDG5-Frame											
PDG5xK ②④	320–1200	2, 3, 4	600	I.T.		—	85,000	—	—	50,000	25,000
PDG5xM ②④	320–1200	2, 3, 4	600	I.T.		—	100,000	—	—	65,000	35,000
PDG5xN ②④	320–1200	2, 3, 4	600	I.T.		—	150,000	—	—	85,000	50,000
PDG5xP ②④	320–1200	2, 3, 4	600	I.T.		—	200,000	—	—	100,000	65,000
PDJ53T	320–800	3	600	N.I.T.		—	200,000	—	—	150,000	65,000
PDJ53M	150–400	3	600	N.I.T.		—	100,000	—	—	65,000	35,000
PDG6-Frame											
PDG6xM ②④	700–2500	2, 3, 4	600	I.T.		—	125,000	—	—	65,000	35,000
PDG6xN ②④	700–2500	2, 3, 4	600	I.T.		—	150,000	—	—	85,000	50,000
PDG6xP ②④	700–2500	2, 3, 4	600	I.T.		—	200,000	—	—	100,000	65,000

① N.I.T. is non-interchangeable trip unit and I.T. is interchangeable trip unit.

② x in circuit breaker type column is a place holder for pole number. This designates multiple pole options exist and are listed in number of poles column.

③ First rating is for thermal-magnetic breakers, second rating is for breakers with PXR electronic trip units.

④ 100% UL rated (PDFxxx) versions also available. PDF6xx available to 2000 A.

Table 13. Series C/G circuit breaker ratings

Circuit breaker type	Continuous ampere rating at 40 °C	Number of poles	AC volts	Type of trip ①	Federal specification W-C-375b	UL listed interrupting ratings (rms symmetrical amperes)					
						AC ratings volts					
						120	120/240	240	277	480	600
G-Frame											
GHB	15–100	1	120	N.I.T.	11a	65,000	—	—	—	—	—
GHB	15–100	2, 3	240	—	10b, 11b	—	—	65,000	—	—	—
GHB	15–100	1	277	—	12b, 14b	—	—	—	14,000	—	—
GHB	15–100	2, 3	480Y/277 or 600Y/347	—	15b	—	—	—	14,000	14,000	—
HGHB	15–30	1	277	—	12c, 13s, 13b	65,000	—	—	25,000	—	—
GHQ	15–20	1	277	—	—	65,000	—	—	14,000	—	—
GHBS	15–30	1, 2	480Y/277 or 600Y/347	—	—	65,000	65,000	—	14,000	—	—
GBHS	15–20	1, 2	480Y/277 or 600Y/347	N.I.T.	—	—	—	—	—	—	10,000
GD ②	15–50	2	480	N.I.T.	13b	—	—	65,000	—	14,000	—
GD ②	15–100	3	480	N.I.T.	13b	—	—	65,000	—	22,000	—
GHC	15–100	1	120	N.I.T.	12c, 13a	65,000	—	—	—	—	—
GHC	15–100	2, 3	240	—	13b	—	—	65,000	—	—	—
GHC	15–100	1	277	—	12c, 13a	—	—	—	14,000	—	—
GHC	15–100	2, 3	480Y/277 or 600Y/347	—	13b	—	—	—	14,000	14,000	—
HGHC	15–30	1	277	—	—	65,000	—	—	25,000	—	—
EG-Frame ②											
EGB	15–125	1	277	N.I.T.	—	35,000	—	25,000	18,000	—	—
		2, 3, 4	480	—	—	—	—	25,000	—	18,000	—
EGE	15–125	2, 3, 4	600Y/347	N.I.T.	—	—	—	35,000	—	25,000	18,000
EGS	15–125	1	347	N.I.T.	—	100,000	—	85,000	35,000	—	—
		2, 3, 4	600Y/347	N.I.T.	—	—	—	85,000	—	35,000	22,000
EGH	15–125	1	347	N.I.T.	—	200,000	—	100,000	65,000	—	—
		2, 3, 4	600Y/347	—	—	—	—	100,000	—	65,000	25,000
EG-Frame current limiting ②③											
EGC	15–125	3	600Y/347	N.I.T.	—	200,000	—	200,000	—	100,000	35,000
F-Frame											
EDB	100–225	2, 3	240	N.I.T.	12b	—	—	22,000	—	—	—
EDS	100–225	2, 3	240	N.I.T.	12b	—	—	42,000	—	—	—
ED	100–225	2, 3	240	N.I.T.	12b	—	—	65,000	—	—	—
EDH	100–225	2, 3	240	—	15b	—	—	100,000	—	—	—
EDC ③	100–225	2, 3	240	—	15b	—	—	200,000	—	—	—
EHD	15–100	1	277	N.I.T.	13a	—	—	—	14,000	—	—
EHD	15–100	2, 3	480	—	13b	—	—	18,000	—	14,000	—

① N.I.T. is non-interchangeable trip unit and I.T. is interchangeable trip unit.

② Not presently available for panelboard or switchboard mounting in Eaton assemblies.

③ Current limiting

Table 13. Series C/G circuit breaker ratings (continued)

Circuit breaker type	Continuous ampere rating at 40 °C	Number of poles	AC volts	Type of trip ①	Federal specification W-C-375b	UL listed interrupting ratings (rms symmetrical amperes)					
						AC ratings volts					
						120	120/240	240	277	480	600
F-Frame (continued)											
FDB	15–150	2, 3	600	N.I.T.	18a	—	—	18,000	—	14,000	14,000
FDB	15–150	4	600	—	④	—	—	18,000	—	14,000	14,000
FD	15–225	1	277	N.I.T.	13a	—	—	—	35,000	—	—
FD	15–225	2, 3	600	—	22a	—	—	65,000	—	35,000	18,000
FD	15–225	4	600	—	④	—	—	65,000	—	35,000	18,000
FDE	15–225	3	600	N.I.T	—	—	—	65,000	—	35,000	18,000
HFD	15–225	1	277	N.I.T.	13a	—	—	—	65,000	—	—
HFD	15–225	2, 3	600	—	22a	—	—	100,000	—	65,000	25,000
HFD	15–225	4	600	—	④	—	—	100,000	—	65,000	25,000
HFDE	15–225	3	600	N.I.T.	—	—	—	100,000	—	65,000	25,000
FDC ②	15–225	2, 3	600	N.I.T.	24a	—	—	200,000	—	100,000	35,000
FDC ②	15–225	4	600	—	④	—	—	200,000	—	100,000	35,000
FDCE	15–225	3	600	N.I.T.	—	—	—	200,000	—	100,000	25,000
JG-Frame ③											
JGE	63–250	2, 3, 4	600	I.T.	—	—	—	65,000	—	25,000	18,000
JGS	63–250	2, 3, 4	600	I.T.	—	—	—	85,000	—	35,000	18,000
JGH	63–250	2, 3, 4	600	I.T.	—	—	—	100,000	—	65,000	25,000
JG-Frame current limiting ②③											
JGC	63–250	2, 3, 4	600	I.T.	—	—	—	200,000	—	100,000	50,000
JGU	63–250	3, 4	600	I.T.	—	—	—	150,000	—	150,000	50,000
JGX	63–250	3, 4	600	I.T.	—	—	—	200,000	—	200,000	50,000
JD-Frame											
JDB	70–250	2, 3	600	N.I.T.	22a	—	—	65,000	—	35,000	18,000
JD	70–250	2, 3, 4	600	I.T.	22a	—	—	65,000	—	35,000	18,000
HJD	70–250	2, 3, 4	600	I.T.	22a	—	—	100,000	—	65,000	25,000
JDC ②	70–250	2, 3, 4	600	I.T.	22a	—	—	200,000	—	100,000	35,000
K-Frame											
DK	250–400	2, 3	240	N.I.T	14b	—	—	65,000	—	—	—
KDB	100–400	2, 3	600	N.I.T.	23a	—	—	65,000	—	35,000	25,000
KD	100–400	2, 3, 4	600	I.T.	23a	—	—	65,000	—	35,000	25,000
CKD ⑤	100–400	2, 3, 4	600	I.T.	23a	—	—	65,000	—	35,000	25,000
HKD	100–400	2, 3, 4	600	I.T.	23a	—	—	100,000	—	65,000	35,000
CHKD ⑤	100–400	2, 3, 4	600	I.T.	23a	—	—	100,000	—	65,000	35,000
KDC ②	100–400	2, 3, 4	600	I.T.	23a	—	—	200,000	—	100,000	65,000
LG-Frame											
LGE	100–600	3, 4	600	I.T.	23a	—	—	65,000	—	35,000	18,000
LGS	100–600	3, 4	600	I.T.	23a	—	—	85,000	—	50,000	25,000
LGH	100–600	3, 4	600	I.T.	23a	—	—	100,000	—	65,000	35,000
LHH ⑥	125–400	3	600	N.I.T.	—	—	—	100,000	—	65,000	35,000

① N.I.T. is non-interchangeable trip unit and I.T. is interchangeable trip unit.

② Current limiting.

③ Not presently available for panelboard or switchboard mounting in Eaton assemblies.

④ Not defined in W-C-375b.

⑤ 100% rated.

⑥ High withstand breaker.

Table 13. Series C/G circuit breaker ratings (continued)

Circuit breaker type	Continuous ampere rating at 40 °C	Number of poles	AC volts	Type of trip ①	Federal specification W-C-375b	UL listed interrupting ratings (rms symmetrical amperes)					
						AC ratings volts					
						120	120/240	240	277	480	600
LG-Frame current limiting ②											
LGC	100–600	3, 4	600	I.T.	23a	—	—	200,000	—	100,000	50,000
LGU	100–600	3, 4	600	I.T.	—	—	—	150,000	—	150,000	50,000
LGX	100–600	3, 4	600	I.T.	—	—	—	200,000	—	200,000	50,000
LD-Frame											
LDB	300–600	2, 3	600	N.I.T.	23a	—	—	65,000	—	35,000	25,000
LD	300–600	2, 3, 4	600	I.T.	23a	—	—	65,000	—	35,000	25,000
CLD ③	300–600	2, 3, 4	600	I.T.	23a	—	—	65,000	—	35,000	25,000
HLD	300–600	2, 3, 4	600	I.T.	23a	—	—	100,000	—	65,000	35,000
CHLD ③	300–600	2, 3, 4	600	I.T.	23a	—	—	100,000	—	65,000	35,000
LDC ②	300–600	2, 3, 4	600	I.T.	23a	—	—	—	—	100,000	50,000
CLDC ②③	300–600	2, 3, 4	600	I.T.	23a	—	—	200,000	—	100,000	50,000
M-Frame											
MDL	300–800	2, 3	600	I.T.	23a	—	—	65,000	—	50,000	25,000
CMDL ③	300–800	2, 3	600	I.T.	23a	—	—	65,000	—	50,000	25,000
HMDL	300–800	2, 3	600	I.T.	23a	—	—	100,000	—	65,000	35,000
CHMDL ③	300–800	2, 3	600	I.T.	23a	—	—	100,000	—	65,000	35,000
N-Frame											
NGS ④ 800, 1200	600–1200	2, 3, 4	600	N.I.T.	—	—	—	65,000	—	50,000	25,000
NGH 800, 1200	600–1200	2, 3, 4	600	N.I.T.	—	—	—	100,000	—	65,000	35,000
NGC 800, 1200	600–1200	2, 3, 4	600	N.I.T.	—	—	—	200,000	—	100,000	50,000
NGU 800	600–1200	3	600	N.I.T.	—	—	—	300,000	—	150,000	75,000
NGS ④⑤	1600	3	600	N.I.T.	—	—	—	—	—	—	—
ND	600–1200	3, 4	600	N.I.T.	23a	—	—	65,000	—	50,000	25,000
CND ③	600–1200	3, 4	600	N.I.T.	23a	—	—	65,000	—	50,000	25,000
HND	600–1200	3, 4	600	N.I.T.	23a	—	—	100,000	—	65,000	35,000
CHND ③	600–1200	3, 4	600	N.I.T.	23a	—	—	100,000	—	65,000	35,000
NDC	600–1200	3, 4	600	N.I.T.	23a	—	—	200,000	—	100,000	65,000
HNDC ③	600–1200	3, 4	600	N.I.T.	23a	—	—	200,000	—	100,000	65,000
NDU	600–1200	3	600	N.I.T.	—	—	—	300,000	—	150,000	75,000

① N.I.T. is non-interchangeable trip unit and I.T. is interchangeable trip unit.

② Current limiting.

③ 100% rated.

④ Not presently available for panelboard or switchboard mounting in Eaton assemblies.

⑤ Not UL or CSA listed.

Table 13. Series C/G circuit breaker ratings (continued)

Circuit breaker type	Continuous ampere rating at 40 °C	Number of poles	AC volts	Type of trip ①	Federal specification W-C-375b	UL listed interrupting ratings (rms symmetrical amperes)					
						AC ratings volts					
						120	120/240	240	277	480	600
R-Frame											
RGH ②	800–1600	3, 4	600	N.I.T.	—	—	—	125,000	—	65,000	50,000
RGC ②	800–1600	3, 4	600	N.I.T.	—	—	—	200,000	—	100,000	65,000
RD 1600	800–1600	3, 4	600	N.I.T.	24a	—	—	125,000	—	65,000	50,000
CRD 1600 ③	800–1600	3, 4	600	N.I.T.	24a	—	—	125,000	—	65,000	50,000
RD 2000	1000–2000	3, 4	600	N.I.T.	24a	—	—	125,000	—	65,000	50,000
RD 2500	1000–2500	3, 4	600	N.I.T.	24a	—	—	125,000	—	65,000	50,000
CRD 2000 ③	1000–2000	3, 4	600	N.I.T.	24a	—	—	125,000	—	65,000	50,000
RDC 1600	800–1600	3, 4	600	N.I.T.	25a	—	—	200,000	—	100,000	65,000
CRDC 1600 ③	800–1600	3, 4	600	N.I.T.	25a	—	—	200,000	—	100,000	65,000
RDC 2000	1000–2000	3, 4	600	N.I.T.	25a	—	—	200,000	—	100,000	65,000
RDC 2500	1000–2000	3, 4	600	N.I.T.	25a	—	—	200,000	—	100,000	65,000
CRDC 2000 ③	1000–2000	3, 4	600	N.I.T.	25a	—	—	200,000	—	100,000	65,000
Current Limit-R current limiting circuit breakers—non-fused type											
FCL	15–100	2, 3	480	N.I.T.	—	—	—	200,000	—	150,000	—
LCL	125–400	2, 3	600	N.I.T.	—	—	—	200,000	—	200,000	100,000

① N.I.T. is non-interchangeable trip unit and I.T. is interchangeable trip unit.

② Not presently available for panelboard or switchboard mounting in Eaton assemblies.

③ 100% rated.

Table 14. Magnum DS switchgear class UL 1066 LVPCB ratings

Frame amperes	Breaker type	Frame type	rms symmetrical current ratings kA 50/60 Hz ①			Short time withstand rating	Fixed internal instantaneous trip	Available current sensor and rating plugs for Digitrip RMS trip unit (establishes breaker I _n rating)
			Interrupting at 254 Vac	Interrupting at 508 Vac	Interrupting at 635 Vac			
800	MDN-408	Narrow	42	42	42	42	—	200, 250, 300, 400, 600, 800
	MDN-508	Narrow	50	50	50	50	—	
	MDN-608	Narrow	65	65	65	65	—	
	MDN-C08	Narrow	100	100	65	20	18 x I _n	
	MDS-408	Standard	42	42	42	42	—	
	MDS-608	Standard	65	65	65	65	—	
	MDS-808	Standard	85	85	85	85	—	
	MDS-C08	Standard	100	100	100	85	85	
	MDS-L08 ②	Standard	200	200	200	—	—	
	MDS-X08 ③	Standard	200	200	④	30	30	
1600	MDN-416	Narrow	42	42	42	42	—	200, 250, 300, 400, 600, 800, 1000, 1200, 1600
	MDN-516	Narrow	50	50	50	50	—	
	MDN-616	Narrow	65	65	65	65	—	
	MDN-C16	Narrow	100	100	65	30	18 x I _n	
	MDS-616	Standard	65	65	65	65	—	
	MDS-816	Standard	85	85	85	85	—	
	MDS-C16	Standard	100	100	100	85	85	
	MDS-L16 ②	Standard	200	200	200	—	—	
	MDS-X16 ③	Standard	200	200	④	30	30	
2000	MDN-620	Narrow	65	65	65	65	—	200, 250, 300, 400, 600, 800, 1000, 1200, 1600, 2000
	MDN-C20	Narrow	100	100	65	35	18 x I _n	
	MDS-620	Standard	65	65	65	65	—	
	MDS-820	Standard	85	85	85	85	—	
	MDS-C20	Standard	100	100	100	85	85	
	MDS-L20 ②	Standard	200	200	200	—	—	
	MDS-X20 ③	Standard	200	200	④	30	30	
3200	MDS-632	Standard	65	65	65	65	—	200, 250, 300, 400, 600, 800, 1000, 1200, 1600, 2000, 2500, 3000, 3200
	MDS-832	Standard	85	85	85	85	—	
	MDS-C32	Standard	100	100	100	85	85	
	MDS-X32 ③	Double	200	200	④	50	50	
4000	MDS-840	Double	85	85	85	85	—	2000, 2500, 3200, 4000
	MDS-C40	Double	100	100	100	100	—	
	MDS-X40 ③	Double	200	200	④	50	50	
5000	MDS-850	Double	85	85	85	85	—	2500, 3200, 4000, 5000
	MDS-C50	Double	100	100	100	100	—	
	MDS-X50 ③⑤	Double	200	200	④	50	50	
6000	MDS-C60 ⑤	Double	100	100	100	100	—	3200, 4000, 5000, 6000

① Interrupting ratings shown based on breaker equipped with integral Digitrip RMS trip unit. Interruption ratings for non-automatic breakers are equal to the published short time withstand rating. These interruption ratings are based on the standard duty cycle consisting of an open operation, a 15-second interval and a close-open operation, in succession, with delayed tripping in case of short-delay devices. The standard duty cycle for short time ratings consists of maintaining the rated current for two periods of 1/2 seconds each, with a 15-second interval of zero current between the two periods.

② Magnum MDSL current limiting power circuit breaker with integral current limiters. Current limiter selected determines short time and fixed instantaneous trip rating. Maximum voltage rating is 600 Vac.

③ Magnum MDSX current limiting power circuit breaker with fast opening contacts.

④ Product to be tested. Contact Eaton for product rating.

⑤ Breaker applied in a tested fan-cooled enclosure.

Table 15. Magnum PXR switchgear class UL 1066 LVPCB ratings

Frame amperes	Breaker type	Frame type	rms symmetrical current ratings kA 50/60 Hz ①			Short time withstand rating	Fixed internal instantaneous trip	Available PXR current sensor I _n ratings
			Interrupting at 254 Vac	Interrupting at 508 Vac	Interrupting at 635 Vac			
800	MPN-408	Narrow	42	42	42	42	—	200, 250, 300, 400, 600, 800
	MPN-508	Narrow	50	50	50	50	—	
	MPN-608	Narrow	65	65	65	65	—	
	MPN-C08	Narrow	100	100	65	65	65	
	MPS-408	Standard	42	42	42	42	—	
	MPS-608	Standard	65	65	65	65	—	
	MPS-808	Standard	85	85	85	85	—	
	MPS-C08	Standard	100	100	100	85	85	
1600	MPN-416	Narrow	42	42	42	42	—	200, 250, 300, 400, 600, 800, 1000, 1200, 1600
	MPN-516	Narrow	50	50	50	50	—	
	MPN-616	Narrow	65	65	65	65	—	
	MPN-C16	Narrow	100	100	65	65	65	
	MPS-616	Standard	65	65	65	65	—	
	MPS-816	Standard	85	85	85	85	—	
	MPS-C16	Standard	100	100	100	85	85	
2000	MPN-620	Narrow	65	65	65	65	—	200, 250, 300, 400, 600, 800, 1000, 1200, 1600, 2000
	MPN-C20	Narrow	100	100	65	65	65	
	MPS-620	Standard	65	65	65	65	—	
	MPS-820	Standard	85	85	85	85	—	
	MPS-C20	Standard	100	100	100	85	85	
3200	MPS-632	Standard	65	65	65	65	—	200, 250, 300, 400, 600, 800, 1000, 1200, 1600, 2000, 2500, 3000, 3200
	MPS-832	Standard	85	85	85	85	—	
	MPS-C32	Standard	100	100	100	85	85	
4000	MPS-840	Double	85	85	85	85	—	2000, 2500, 3200, 4000
	MPS-C40	Double	100	100	100	100	—	
5000	MPS-850	Double	85	85	85	85	—	2500, 3200, 4000, 5000
	MPDS-C50	Double	100	100	100	100	—	
6000	MPS-C60 ②	Double	100	100	100	100	—	3200, 4000, 5000, 6000

① Interrupting ratings shown based on breaker equipped with integral PXR trip unit. Interruption ratings for non-automatic breakers are equal to the published short time withstand rating. These interruption ratings are based on the standard duty cycle consisting of an open operation, a 15-second interval and a close-open operation, in succession, with delayed tripping in case of short-delay devices. The standard duty cycle for short time ratings consists of maintaining the rated current for two periods of 1/2 seconds each, with a 15-second interval of zero current between the two periods.

② Breaker applied in a tested fan-cooled enclosure.

Table 16. Series NRX low-voltage power circuit breaker ratings ①②

Continuous current rating (amperes)	Trip unit	Frame type	Short-circuit ratings (kA)						Short-time withstand rating (kA)
			Interrupting at 254 Vac		Interrupting at 508 Vac		Interrupting at 635 Vac		
UL 1066 ratings									
800	Digitrip	NF	85		65		35		42 ③
			Interrupting at 240 Vac		Interrupting at 480 Vac		Interrupting at 600 Vac		
UL 489 ratings ④									
800	Digitrip	NF	50, 65, 85		42, 50, 65		42, 42, 42		42
	PXR	NF	50, 65, 85		42, 50, 65		42, 42, 42		42 ⑤
	PXR	RF	65, 85, 100		65, 85, 100		—		65 ⑤
1200	Digitrip	NF	50, 65, 85		42, 50, 65		42, 42, 42		42
	PXR	NF	50, 65, 85		42, 50, 65		42, 42, 42		42 ⑤
	PXR	RF	65, 85, 100		65, 85, 100		—		65 ⑤
1600	PXR	RF	65, 85, 100		65, 85, 100		—		65 ⑤
2000	PXR	RF	65, 85, 100		65, 85, 100		—		65 ⑤
2500	PXR	RF	65, 85, 100		65, 85, 100		—		65 ⑤
3000	PXR	RF	65, 85, 100		65, 85, 100		—		65 ⑤
			Interrupting at 240/254 Vac		Interrupting at 415/440 Vac		Interrupting at 690/725 Vac		1 s / 3 s rated short-time withstand current (I _{cu})
			I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}	
IEC 60947-2 ratings ④									
630	Digitrip	NF	50, 65, 85	50, 65, 85	42, 50, 65	42, 50, 65	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	NF	42, 85, 85	42, 50, 65	42, 50, 66	42, 50, 50	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
800	Digitrip	NF	50, 65, 85	50, 65, 85	42, 50, 65	42, 50, 65	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	NF	42, 85, 85	42, 50, 65	42, 50, 66	42, 50, 50	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
1000	Digitrip	NF	50, 65, 85	50, 65, 85	42, 50, 65	42, 50, 65	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	NF	42, 85, 85	42, 50, 65	42, 50, 66	42, 50, 50	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
1250	Digitrip	NF	50, 65, 85	50, 65, 85	42, 50, 65	42, 50, 65	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	NF	42, 85, 85	42, 50, 65	42, 50, 66	42, 50, 50	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
1600	Digitrip	NF	50, 65, 85	50, 65, 85	42, 50, 65	42, 50, 65	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	NF	42, 85, 85	42, 50, 65	42, 50, 66	42, 50, 50	42, 42, 42	42, 42, 42	42/—, 42/—, 42/—
	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
2000	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
2500	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
3200	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66
4000	PXR	RF	66, 85, 105	66, 85, 105	66, 85, 105	66, 85, 105	66, 75, 75	66, 75, 75	66/53, 85/66, 85/66

① Interrupting ratings shown based on breaker equipped with integral Digitrip RMS or Power Xpert Release (PXR) trip unit. Interruption ratings for non-automatic breakers are equal to the published short time withstand rating. These interruption ratings are based on the standard duty cycle consisting of an open operation, a 15-second interval and a close-open operation, in succession, with delayed tripping in case of short-delay devices. The standard duty cycle for short time ratings consists of maintaining the rated current for two periods of 1/2 seconds each, with a 15-second interval of zero current between the two periods.

② Contact Eaton for current Series NRX rating offering.

③ 35 kAIC short-time withstand at 635 V level only. All other voltages 42 kAIC short-time withstand.

④ For circuit breakers with PXR trip units, there are three types of circuit breakers, each with their own ratings (B, N, H).

⑤ 30 cycle withstand shown, 3 cycle option also available.

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