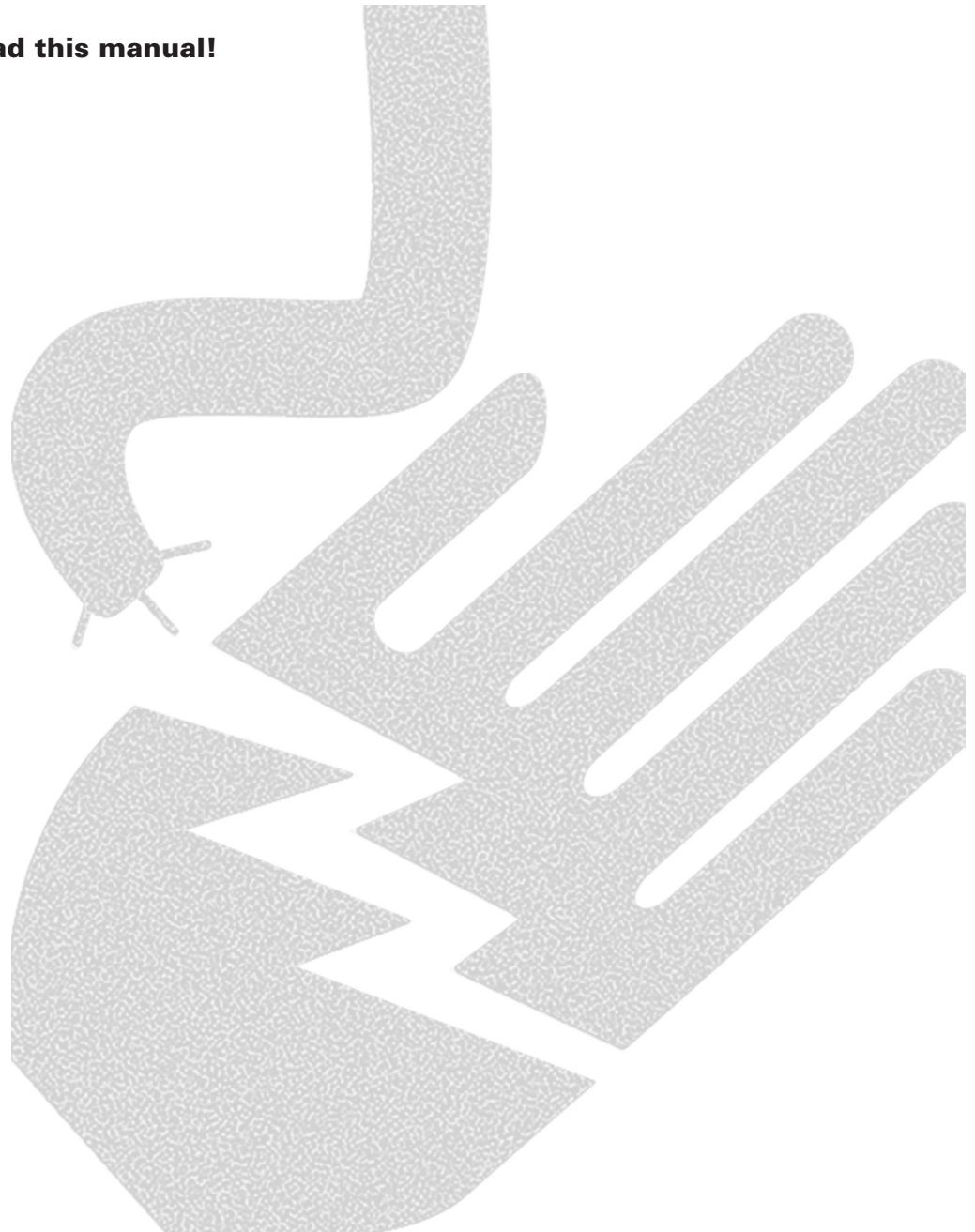


Panelboard and switchboards series rating information manual

Play it safe...read this manual!



EAT•N

Powering Business Worldwide

Contents

Introduction **Page 1**

UL Issues **Page 2**

Code Issues **Page 2**

Applying Series Ratings **Page 3**

 Example 1 **Page 3**

 Example 2 **Page 3**

 Example 3 **Page 3**

Other Applications of Series Ratings **Page 3**

Series Rating Tables **Page 4**

 Breaker to Breaker Ratings

 Table 1 — 120/240 Volts **Pages 4 & 5**

 Table 2 — 240 Volts **Pages 6 & 7**

 Table 3 — 277 Volts **Page 8**

 Table 4 — 480Y/277 Volts **Page 8**

 Table 5 — 480 Volts **Page 9**

 Table 6 — 600 Volts **Page 10**

 Fuse to Breaker Ratings

 Table 7 — 120/240 Volts **Page 10**

 Table 8 — 240 Volts **Page 11**

 Table 9 — 277 Volts **Page 11**

 Table 10 — 480Y/277 Volts **Page 12**

 Table 11 — 480 Volts **Page 12**

 Table 12 — 600 Volts **Page 12**

 Triple Ratings

 Table 13 **Page 12**

Introduction

The purpose of this publication is to explain the proper application of series ratings in Eaton’s panelboards and switchboards.

Industry standards and NFPA® 70—the National Electrical Code® (NEC®) require protection of the entire electrical distribution system from damage due to short-circuit faults. NEC Article 110.10 states “The overcurrent protective devices... shall be selected and coordinated to permit the circuit-protective devices used to clear a fault to do so without extensive damage to the electrical components of the circuit.” The entire distribution system is required to meet this standard. Series rated systems have become an effective method of meeting these requirements.

There are three protection systems used to protect low voltage power distribution conductors and equipment. They are:

- Fully rated protection
- Fully rated, selectively coordinated protection
- Series rated protection

Fully Rated Protection: Where all overcurrent devices are rated for the full prospective short-circuit current at their line side terminals throughout the system.

Selectively Coordinated Protection: Is a fully rated system where the overcurrent device closest to the fault will open first, thus isolating the faulty circuit.

Series Rated Protection: A short-circuit interrupting rating assigned to a combination of two or more overcurrent protective devices that are connected in series and which the rating of the downstream device(s) in the combination is less than the series rating.

The short-circuit interrupting rating of the first device in the series must be equal to or greater than the available fault current. Downstream breakers, however, are not fully rated for the system’s available fault current.

Series ratings are also known in the industry as integrated ratings, series combination ratings, and series connected ratings. The upstream overcurrent device in the series may be either internally or externally feeding downstream devices.

UL Issues

In a series rated system, the overcurrent devices in series in the protective scheme must have been tested and listed by Underwriters Laboratories® (UL®), for series combination use in the system.

All of Eaton's series ratings are in full compliance with all applicable requirements of the latest editions of UL 489, 891, and 67.

The *UL Recognized Components Directory* (the Yellow Book) contains breaker manufacturers' series connected listings. These are intended only as a guideline for use by others who are responsible for their own testing, labeling, and listing. Therefore, the *UL Recognized Components Directory* can not be used to interpret series-connected ratings in equipment.

Code Issues

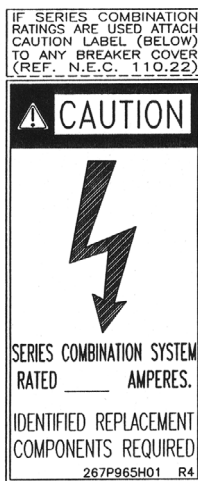
Requirements of NFPA 70—the National Electrical Code for series ratings may be met by equipment marked with ratings adequate for the available fault current at the point of application in the electrical system. Eaton's panelboards and switchboards are marked consistent with NEC Article 240.86 for tested combinations.

NEC 240.86 Motor Contribution. Series ratings shall not be used where:

1. Motors are connected on the load side of the higher-rated overcurrent device and on the line side of the lower-rated device.
2. The sum of the full-load currents exceeds 1% of the interrupting rating of the lower-rated breaker.

Note: NEC 240.86 is additive and both conditions must be met to apply.

Additionally, NEC Article 110.22 requires field marking on equipment where series ratings are used. This label is supplied with Eaton panelboards and switchboards using series combination ratings and reads "Caution—Series Combination System Rated ____ Amperes Available. Identified Replacement Component Required."



Note to Installing Electrician: NEC 110.22 requires the installer to properly apply and complete this label. Label(s) must be placed on all equipment where series ratings are used.



CAUTION: Do not apply fuses using the up-over-down method for sizing a current-limiting fuse that protects a downstream molded-case circuit breaker with a specified rms symmetrical interrupting rating. The method can lead to erroneous and unsafe conclusions and should not be used.

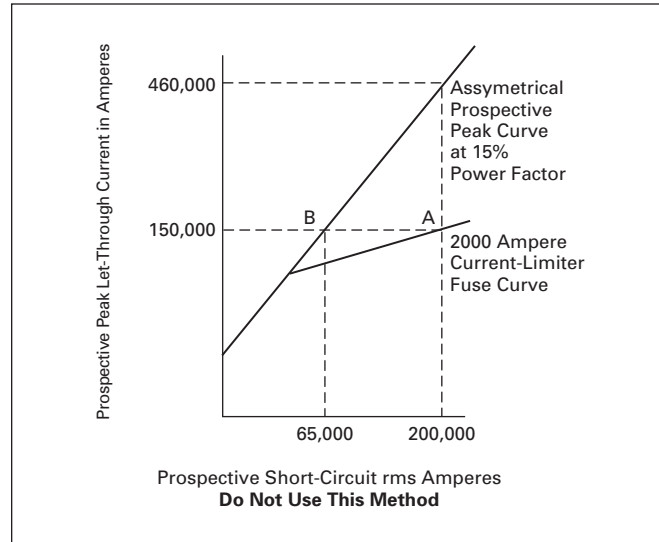


Figure 1.

Conclusion: This conclusion is wrong when the downstream service has a blow-open contact assembly, as does a molded-case circuit breaker or similar device. It may be valid when the current-limiting fuse is sized to protect a passive bus bar system.

The up-over-down method ignores dynamic impedance (the inherent current-limiting of the downstream molded-case circuit breaker). Such impedance is developed directly by the forces of the let-through current created when the contacts are blown open.

Some breakers rated 15 to 50 amperes, 120/240 volt maximum have been investigated and found suitable for use in panelboards from a different manufacturer. These are identified as "Classified" breakers. **DO NOT USE SERIES RATINGS WITH "CLASSIFIED" BREAKERS!** Series ratings apply **ONLY** to those Eaton breakers listed and published in this booklet.



DANGER: Use of other devices can cause explosion, severe injury, or death!

Applying Series Ratings

The following is provided to use the series rating tables on the following pages:

- Step 1. Determine the available system voltage and fault current.
- Step 2. Select the appropriate table using the system voltage.
- Step 3. Use the appropriate "Series Equipment Rating" column equal to, or greater than, the available fault current, to determine the allowable UL recognized combinations of main (upstream) and branch (downstream) overcurrent devices. Main devices are shown in bold/shaded areas. Respective branch breakers are shown directly below their associated main device. **If a rating is not initially found in a column, first look to the columns to the right for higher "Series Equipment Ratings" within the same table. If still not found, use ratings from table of a higher system voltage (higher numbered table).**

Example 1:

208Y/120 volt, 3-phase, 4-wire, AC system with available fault current of 26,438 amperes. Main (upstream) device is a 3-pole, 225 ampere, EDS breaker. The branch (downstream) breakers are single- and 2-pole, 20, 30, and 60 amperes, 120 volt and 120/240 volt BAB breakers.

1. Go to the 120/240 volts table (**Table 1**).
2. Look down under the 22 kA column. This rating is not shown.
3. Look to the columns to the right. This combination rating is shown under the 42 kA column, and therefore is valid.

Example 2:

480Y/277 volt, 3-phase, 4-wire, AC system with available fault current of 62,097 amperes. Main (upstream) device is a 3-pole 250 ampere, HJD breaker. The branch (downstream) breakers are 2- and 3-pole, 60, 70, and 100 ampere EHD breakers.

1. Go to the 480Y/277 volts table (**Table 4**).
2. Look down under the 65 kA column. This rating is not shown.
3. Look to the columns to the right. This rating is not shown.
4. Look at the table with the next higher system voltage. (480 volts, **Table 5**).
5. This combination rating is shown under the 65 kA column, and therefore is valid.

Example 3:

480Y/277 volt, 3-phase, 4-wire, AC system with available fault current of 24,324 amperes. Main (upstream) device is a 3-pole, 225 ampere, FD breaker. The branch (downstream) breakers are single-pole, 20 ampere, GHQ; 2-pole, 30 ampere, GHB; and 3-pole, 50 ampere, GHB devices.

1. Go to the 480Y/277 volts table (**Table 4**).
2. Look under the 25 kA column. This rating is not shown. Look to the columns to the right. This rating is shown under the 35 kA column, and therefore is valid for combinations with the 2- and 3-pole GHB breakers.
3. Go to the 277 volts table (**Table 3**).
4. Look under the 25 kA column. This rating is not shown. Look to the columns to the right. This rating is shown under the 35 kA column, and therefore is valid for combinations with the single-pole GHQ breaker.

Other Applications of Series Ratings

Series ratings can also be applied under the following guidelines:

- Any FULLY RATED breaker can be applied upstream, downstream, or in the middle of any of the series ratings stated in the tables
- Any series rating stated in the tables may have additional series rated branch breakers of the EXACT SAME TYPE further downstream in that rating

COMBINING SERIES RATINGS are allowed under certain conditions. Main and branch ratings may be combined if:

- Breakers A, B, and C are in series respectively from main to branch. Breakers A and B series rate together. Breakers A and C series rate at the same interrupting level (or higher). It is allowable to use A, B, and C together at the A-B series rating

It is improper to combine series ratings under the following condition:

- Breakers A, B, and C are in series respectively from main to branch. Breakers A and B series rate together. Breakers B and C series rate at the Breaker B interrupting rating level. It is not allowable to use A, B, and C together at the A-B series rating. However, combining multiple overcurrent devices as in this example, can be accomplished if all devices in the series combination have been tested together and listed in triple rating **Table 13**

Note: The information contained in this manual also applies to specifying the upstream overcurrent protective device for use with through-feed and sub-feed panelboards without an integral main.

Panelboard and Switchboards Series Rating



Series Rating Tables

Table 1. 120/240 Volts AC—Breaker/Breaker Series Ratings

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical									
	18	22	42	65	100	200				
100	EHD BA, BAB BABRP BABRSP HQP QBGF QBAF QBAG	QBHW QPHW BA, BAB HQP QBGF QPGF QBAF QBAG		GB, GHB BA, BAB BABRP BABRSP HQP QBGF QPGF QBAF QBAG QBHW QPHW			FB-P BA, BAB BABRP BABRSP HQP QBGF QPGF QBAF QBAG QBHW QPHW EHD FD			FCL BA, BAB BABRP BABRSP HQP QBGF QPGF QBAF QBAG QBHW QPHW GB, GHB GHQ EHD FD HFD
125					EGH GHQ, GHB					
150	FDB BA, BAB HQP QBGF QBAF QBAG									
200					LA-P BA, BAB HQP QBHW QPHW EHD FD					
225		EDB BA, BAB BABRP BABRSP HQP QBGF QPGF QBHGF QPHGF QBHW QPHW QBAF QBAG	EDS BA, BAB BABRP BABRSP HQP QBGF QPGF QBHGF QPHGF QBHW QPHW QBAF QBAG	ED, FD, FDE BA, BAB BABRP BABRSP HQP QBGF QPGF QBAF QBAG QBHW QBHGF		EDH, CHH BA, BAB BABRP BABRSP HQP QBGF QPGF QBAF QBAG	HFD, HFDE BA, BAB HQP QBGF QBAF QBAG QBHW QPHW QBHGF GB, GHB GHQ, GHQRSP EHD FD, EGS	FDC BA, BAB HQP QBHW QPHW	FDC GB, GHB GHQ GHQRSP EHD FD HFD EGS EGH	

Table 1. 120/240 Volts AC—Breaker/Breaker Series Ratings (Continued)

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical										
	18	22	42	65			100	200			
250				JD, JDB BA (15–70A) BAB (15–70A) HQP (15–70A) QBHW QPHW EHD	HJD BA, BAB HQP QBHW QPHW	JDC QBGF QPGF QBAF QBAG	HJD GB, GHB EHD FD EGS	JDC BA, BAB HQP QBHW QPHW		JDC GB, GHB EHD FD HFD EGS EGH	
400		DK, KD KDB BA, BAB BABRP BABRSP HQP QBGF QPGF QBAF QBAG	DK, KD KDB, CKD BA (15–70A) BAB (15–70A) BABRP BABRSP HQP (15–70A) QBHW QPHW	HKD, CHKD BA (15–70A) BAB (15–70A) BABRP BABRSP HQP (15–70A) QBHW QPHW	DK, KD KDB CKD EHD	KDC BA (15–70A) BAB (15–70A) HQP (15–70A)	HKD CHKD GB, GHB EHD FD EGS ①	KDC QBHW QPHW		KDC GB, GHB EHD FD HFD EGS EGH	LCL BA, BAB HQP QBGF QPGF QBAF QBAG QBHW QPHW GB, GHB EHD FD HFD
600							CHLD, HLD EHD				
800							HMDL EHD				
1200							HND, CHND NGH, NGH-C EHD ②				

① Not valid with CHKD.

② Valid for single-pole only.

Panelboard and Switchboards Series Rating



Table 2. 240 Volts AC—Breaker/Breaker—Series Ratings

For single- and 2-pole 120/240 volt rated breakers (BA, BAB, HQP, QBHW, QPHW), see **Table 1**.

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical									
	18	22	42	65	100	125	150	200	225	250
100	EHD BAB_H HQP_H	QBHW_H QPHW_H BAB_H HQP_H		GB, GHB BAB_H HQP_H QBHW_H QPHW_H		FB-P BAB_H HQP_H EHD FDB FD				FCL BAB_H HQP_H QBHW_H QPHW_H GB, GHB EHD FD, FDE FDB HFD, HFDE
125						EGH GHB				
150	FDB BAB_H HQP_H									
200						LA-P BAB_H HQP_H QBHW_H QPHW_H EHD FDB FD JD, JDB				
225		EDB HQP_H BAB_H QBHW QPHW	EDS HQP_H BAB_H QBHW QPHW	ED BAB_H HQP_H QBHW_H	FD, FDE BAB_H HQP_H QBHW_H QPHW_H EHD (15–70A) FDB	EDH, EDC BAB_H HQP_H	HFD, HFDE BAB_H HQP_H QBHW_H QPHW_H GB, GHB EHD FDB FD, FDE	FDC BAB_H HQP_H QBHW_H QPHW_H	FDC GB, GHB EHD FDB FD, FDE HFD, HFDE	
			CHH ① BAB_H							
250				JD, JDB BAB_H (15–70A) HQP_H (15–70A) QBHW_H QPHW_H EHD FDB	HJD BAB_H (15–70A) HQP_H (15–70A) QBHW_H QPHW_H	HJD GB, GHB EHD FD FDB ED JD, JDB EGS	JDC BAB_H HQP_H QBHW_H QPHW_H		JDC GB, GHB EHD FD, FDE FDB HFD, EDB, EDS ED, HFDE EDH JD, JDB HJD, EGS, EGH	

① Valid with BAB_H only.

Table 2. 240 Volts AC—Breaker/Breaker—Series Ratings (Continued)

For single- and 2-pole 120/240 volt rated breakers (BA, BAB, HQP, QBHW, QPHW), see **Table 1**.

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical				
	65	100		200	
400	DK, KD, KDB CKD	HKD, CHKD	KDC	KDC	LCL
	BAB_H HQP_H QBHW_H QPHW_H EHD FDB	QBHW_H ① QPHW_H ① GB, GHB EHD FDB FD, EDB, EDS, FDE ED JD, JDB DK, KD, KDB EGS ②	QBHW_H QPHW_H	GB, GHB EHD FDB FD, FDE HFD, EDB, EDS ED, HFDE EDH JD, JDB HJD DK, KD, KDB HKD	BAB_H HQP_H QBHW_H QPHW_H GB, GHB EHD FDB FD, HFD, EDB, EDS ED, FDE, HFDE EDH JD, JDB HJD DK, KD, KDB HKD
500		NB-P			
		JD, JDB KD, KDB, DK CKD			
600		HLD, HLDB, CHLD		LDC	
		GB ①, GHB ① FD, EDB, EDS ED, EHD JD, JDB KD, KDB, DK, CKD LD, LDB		EDB, EDS, ED EDH	
800		NB-P	HMDL		
		KD, KDB, DK	EHD FD		
1200		HND, CHND			NDC, NGC
		EDB, EDS, ED EHD			EDB, EDS, ED EDH
2500		RD			RDC, RGC
		EDB, EDS, ED			EDB, EDS, ED EDH

① Valid on 2- and 3-pole breakers only. Not valid for single-pole.

② Not valid with CHKD.

Panelboard and Switchboards Series Rating



Table 3. 277 Volts AC—Breaker/Breaker Series Ratings

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below. All ratings in this table apply to single-pole branch breakers only. For 2- and 3-pole branch breakers, see other tables.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	22	25	35	65	100	150
100						FCL GHB GHQ, GHQRSP EHD FD HFD
125			EGS GHQ GHB	EGH GHQ GHB		
225			FD, FDE GHB GHQ GHQRSP GHGBGFEP ①	HFD, HFDE GHB, GHQRSP GHQ EHD FD, GHGBGFEP ②	FDC GHB EHD FD HFD	
250	JD, JDB GHB		JD, JDB GHB (15–50A) GHGBGFEP	HJD GHB (15–50A) EHD FD GHGBGFEP	LCL GHBS	JDC GHB EHD FD HFD
400	KD, KDB CKD GHB	HKD CHKD GHB	KD, KDB CKD GHB (15–50A) EHD FD	HKD, CHKD GHB EHD FD	KDC GHB EHD FD HFD	LCL GHB EHD FD HFD

① Not valid with FDE.
② Not valid with HFDE.

Table 4. 480Y/277 Volts AC—Breaker/Breaker Series Ratings

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below. All ratings in this table apply to 2- and 3-pole branch breakers only. For single-pole branch breakers, see **Table 3**.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	22	25	35	65	100	150
100						FCL GHB, GHQRSP
125			EGS GHB	EGH GHB		
225			FD, FDE GHB, GHQRSP	HFD, HFDE GHB, GHQRSP	FDC GHB	
250	JD, JDB GHB		JD, JDB GHB (15–50A)	HJD GHB	JDC GHB	
400	KD, KDB CKD GHB	HKD, CHKD GHB	KD, KDB CKD GHB (15–50A)	HKD, CHKD GHB (15–50A)	KDC GHB	LCL GHB

Table 5. 480 Volts AC—Breaker/Breaker Series Ratings

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below.
All ratings in this table apply to 2- and 3-pole branch breakers only. Not valid for single-pole branch breakers.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	25	35	65	100	150	
100				FB-P EHD FDB FD HFD		FCL EHD FDB FD, FDE HFD, HFDE
200				LA-P EHD FDB FD HFD JD, JDB HJD		
225		FD, FDE EHD FDB	HFD, HFDE EHD FDB FD, FDE EGS ①	FDC EHD, EGS, EGH FDB FD, FDE HFD, HFDE		
250	JD, JDB EHD FDB		HJD EHD FDB FD, FDE JD, JDB EGS	JDC EHD, EGS, EGH FDB FD, FDE HFD, HFDE JD, JDB HJD		LCL FDE, HFDE
400		KD, KDB EHD FDB	HKD EHD FDB FD, FDE JD, JDB KD, KDB EGS	KDC EHD, EGS, EGH FDB FD, FDE HFD, HFDE JD, JDB HJD KD, KDB HKD	LA-P JD, JDB HJD KD, KDB HKD	LCL EHD FDB FD, FDE HFD, HFDE FDC JD, JDB HJD KD, KDB HKD
500				NB-P JD, JDB HJD KD, KDB HKD		
600		LD, LDB CLD JD, JDB	HLD, HLDB CHLD FD, FDE JD, JDB KD, KDB LD, LDB			

① Not valid with HFDE.

Panelboard and Switchboards Series Rating



Table 6. 600 Volts AC—Breaker/Breaker Series Ratings

Main devices shown in shaded area, centered at top. Respective branch devices shown directly below. All ratings in this table apply to 2- and 3-pole branch breakers only. Not valid for single-pole branch breakers.

Main Breaker Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	18	25	35	42	50	100
225	FD	HFD	FDC			
	FDB	FDB FD	FDB FD, FDE HFD, HFDE			
250	JD, JDB	HJD	JDC			LCL
	FDB	FDB FD JD, JDB	FDB FD HFD JD, JDB HJD			FDE, HFDE
400		KD, KDB CKD	HKD, CHKD	KDC	KDC	LCL
		FDB FD JD, JDB	FDB FD, FDE HFD, HFDE JD, JDB HJD	FDB FD, FDE HFD, HFDE	JD, JDB HJD KD, KDB HKD	FDB FD, FDE HFD, HFDE FDC JD, JDB HJD JDC KD, KDB HKD KDC
600		LD, LDB CLD	HLD, HLDB CHLD			
		FD JD, JDB	KD, KDB LD, LDB			

Table 7. 120/240 Volts AC—Fuse/Breaker Series Ratings

Main fuse class shown in shaded area, centered at top. Respective branch devices shown directly below.

Main Fuse Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	100			200		
100						R
						BA, BAB HQP QBHW QPHW GB GHB
200			R	J	T	
			GB GHB	BA, BAB HQP QBHW QPHW	BA, BAB HQP QBHW QPHW	
400	J	T		J	T	
	BA, BAB HQP QBHW QPHW	BA, BAB HQP QBHW QPHW		GB GHB	GB GHB	

Table 8. 240 Volts AC—Fuse/Breaker Series Ratings

For single- and 2-pole 120/240 volt rated breakers (BA, BAB, HQP, QBHW, QPHW), see **Table 7**.
Main fuse class shown in shaded area, centered at top. Respective branch devices shown directly below.

Main Fuse Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	100		200			
100						R BAB_H HQP_H QBHW_H QPHW_H GB GHB
200			R GB GHB	J BAB_H HQP_H QBHW_H QPHW_H	T BAB_H HQP_H QBHW_H QPHW_H	R GB GHB
400	J BAB_H HQP_H QBHW_H QPHW_H	T BAB_H HQP_H QBHW_H QPHW_H		J GB GHB	T GB GHB	
4000			L EHD FDB FD, FDE ED JD, JDB DK, KD, KDB			

Table 9. 277 Volts AC Fuse/Breaker Series Ratings

Main fuse class shown in shaded area, centered at top. Respective branch devices shown directly below.
All ratings in this table apply to single-pole branch breakers only. For 2- and 3-pole branch breakers, consult other tables.

Main Fuse Maximum Amperes	Series Equipment Rating—kA Symmetrical						
	65		100		200		
100			J GHBS GHQ GHQRSP	T GHBS GHQ GHQRSP		R GHB	
200	J GHBS GHQ GHQRSP	T GHBS GHQ GHQRSP	J EHD FD HFD	T EHD FD HFD	R GHB		
400						J GHB	T GHB

Panelboard and Switchboards Series Rating



Table 10. 480Y/277 Volts AC—Fuse/Breaker Series Ratings

Main fuse class shown in shaded area, centered at top. Respective branch devices shown directly below. All ratings in this table apply to 2- and 3-pole branch breakers only. For single-pole branch breakers, see **Table 9**.

Main Fuse Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	65		100		200	
100			J GHBS	T GHBS		R GHB
200	J GHBS	T GHBS		R GHB		
400					J GHB	T GHB
600			J EHD FD, FDE HFD, HFDE FDC	T GHB EHD FD, FDE HFD, HFDE FDC JD HJD JDC		

Table 11. 480 Volts AC—Fuse/Breaker Series Ratings

Main fuse class shown in shaded area, centered at top. Respective branch devices shown directly below. All ratings in this table apply to 2- and 3-pole branch breakers only. Not valid for single-pole branch breakers.

Main Fuse Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	100			200		
100			R EHD			
200	J EHD FD HFD FDC	T EHD FD HFD FDC				

Table 12. 600 Volts AC—Fuse/Breaker Series Ratings

Main fuse class shown in shaded area, centered at top. Respective branch devices shown directly below. All ratings in this table apply to 2- and 3-pole branch breakers only. Not valid for single-pole branch breakers.

Main Fuse Maximum Amperes	Series Equipment Rating—kA Symmetrical					
	100			200		
100				R FD, FDE HFD, HFDE FDC		
200	J FD, FDE HFD, HFDE FDC	T FD, FDE HFD, HFDE FDC	R JD HJD JDC			
400	J JD HJD JDC	T JD HJD JDC	R KD HKD KDC			
600				J KD HKD KDC	T KD HKD KDC	

Table 13. Triple Series Ratings

Main Fuse Class and Maximum Amperes	Tenant Main Type	Branch Type	System Voltage	Short-Circuit Series Rating (kA, Sym.)
L-6000	DK, KD, KDB	GB, GHB, EHD ①	240	100
L-6000	DK, KD, KDB	GB, GHB	120/240	100
L-6000	DK, KD, KDB	FD ①, FDB	240	100
L-6000	DK, KD, KDB	JD, JDB	240	100
L-6000	JD, JDB	GB, GHB	240	100
L-6000	JD, JDB	GB, GHB	120/240	100
L-6000	FD	GB, GHB	240	100
L-6000	FD	GB, GHB	120/240	100
L-6000	FD, FDB	BAB_H, HQP_H QBHW_H, QPHW_H	240	100
L-6000	FD, FDB	BA, BAB HQP (15–70A)	120/240	100
L-6000	EHD	BAB_H, HQP_H	240	100
L-6000	EHD	BA, BAB, HQP	120/240	100

① Valid on 2- and 3-pole breakers only. Not valid for single-pole.



Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2014 Eaton
All Rights Reserved
Printed in USA
Publication No. 1C96944H02 / Z14986
April 2014

Eaton is a registered trademark.

All other trademarks are property of their
respective owners.