

## Short Circuit Selective Coordination for Low Voltage Circuit Breakers

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### Introduction

**The purpose of this data bulletin** is to present short circuit selective coordination data for various combinations of Square D™ low voltage circuit breakers.

**The scope of this data bulletin** encompasses only breaker-to-breaker short circuit selective coordination. Coordination between circuit breakers in the overload region of their time-current curves, coordination with fuses and the protection of motors, transformers and other devices, as well as coordinated ground fault protection, is not discussed. Conventional selective coordination studies using time-current curves are still required to address these issues. See the References section, on page 7, for other data bulletins on this subject.

This data bulletin is a companion to ***Enhancing Short Circuit Selective Coordination with Low Voltage Circuit Breakers***, document number 0100DB0403.

### Appendix Guide

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## Selective Coordination Data

System designers are accustomed to determining the level of short circuit selective coordination between combinations of low voltage circuit breakers using time-current curves. But using time-current curves alone sometimes leads to the determination of a selective coordination level that is lower than can actually be achieved.

### How Time-Current Curves Are Developed

Time-current curves represent the tripping characteristics of circuit breakers at various levels of overcurrent (overload currents to high level short circuits). They are developed by conducting interruption tests at various current levels. The time is recorded for the circuit breaker to completely interrupt the current. The relationship between the time to interrupt the current and the current level is plotted on a time-current curve graph. The time-current curve shows the individual circuit breaker's tested performance. In the instantaneous region of the time-current curve, it is often assumed that the clearing time is constant regardless of the current level, hence the curve is usually drawn flat in that region.

### Current-Limiting Circuit Breakers

Many modern circuit breakers are designed with blow-open contacts and/or other features to quickly clear high fault currents, resulting in clearing times that decrease as the current increases, unlike what the conservatively drawn time-current curves may indicate. Even circuit breakers not UL Listed or CSA certified as current-limiting may exhibit current-limiting characteristics.

### Dynamic Characteristics of Circuit Breakers

All circuit breakers, when they begin to open, serve to limit the prospective flow of current, even if they are not listed or certified as current-limiting. This is an important factor to consider when two circuit breakers are connected in series, especially if the downstream circuit breaker opens faster than the upstream circuit breaker.

### Impact on Selective Coordination

In the case of two circuit breakers connected in series, if the downstream circuit breaker opens faster than the upstream circuit breaker, the downstream circuit breaker may limit the flow of current below the point at which the upstream circuit breaker will trip. The result may be a level of selective coordination higher than might be determined by comparing the time-current curves of the two individual circuit breakers.

### Actual Levels of Selective Coordination

The levels of selective coordination presented in this data bulletin were determined based on the actual performance of Square D low voltage circuit breakers. They were determined by comparing the current let-through of the downstream circuit breaker with the minimum instantaneous trip characteristic of the upstream circuit breaker, taking into account manufacturing tolerances. Thus the maximum level of selective coordination was determined for various pairings of upstream and downstream circuit breakers.

## Selective Coordination and Series Ratings

It has been assumed by many that in all cases the upstream circuit breaker will trip when two circuit breakers are connected in a series rated combination. But this is not always the case.

### Equipment Impedance

Sometimes the impedance of the equipment in which the circuit breakers are installed, including the added impedance of the upstream circuit breaker, is sufficient to limit the current to a point where the downstream circuit breaker is able to interrupt the fault current by itself, without causing the upstream circuit breaker to trip.

### Downstream Circuit Breaker Construction

Sometimes a circuit breaker manufacturer, for various reasons, may offer a range of interrupting ratings for a given circuit breaker frame using a single construction. For example, a circuit breaker frame might be available with 18 and 35 kA interrupting ratings, but both might actually be built with a 35 kA construction. In such an instance the 18 kA rated circuit breaker might be offered with a 35 kA series rating, which the circuit breaker would be capable of interrupting on its own without the assistance of an upstream circuit breaker. Thus the pair might have a level of selective coordination higher than anticipated.

## Assumptions

A few assumptions have been made in the compilation of this data.

### Circuit Breaker Contact Position

It is assumed that all circuit breakers in the system, with the possible exception of the branch circuit breaker nearest to the fault, are in the closed (ON) position when the fault occurs. Low voltage power circuit breakers may incorporate a making current release (MCR) trip function set slightly below the circuit breaker's close and latch capability. The MCR trip level may be below that of the adjustable instantaneous or instantaneous selective override trip functions.

### Instantaneous Trip Setting

In order to maximize selective coordination, it is assumed that the instantaneous trip setting on all upstream circuit breakers in the system, if adjustable, will be set to the highest position. It is also assumed that if the upstream circuit breaker has a Micrologic™ adjustable electronic trip unit (LSI or LSIG) where the field adjustable instantaneous trip function can be turned off, then it will be turned off.

Turning off the field adjustable instantaneous trip function does not mean that the circuit breaker loses its ability to protect against short circuits. Square D electronic trip circuit breakers that have an OFF position on the instantaneous switch are also equipped with a short time pick-up and delay function, and may also be equipped with an instantaneous selective override function if necessary for the proper functioning of the circuit breaker.

The adjustment of trip settings does not affect any series rating that may be employed as Underwriters Laboratories (UL®) and the Canadian Standards Association (CSA®) require series ratings tests to be conducted with the instantaneous trip adjustment set to its highest position.

## How to Use the Tables

In order to use the data presented here, some basic information is needed.

### System One-Line Diagram

A one-line diagram of the system to be studied is absolutely necessary in order to determine the level of system coordination.

### System Voltage

System voltage impacts circuit breaker selection.

### Circuit Ampacity

The instantaneous trip characteristics of a circuit breaker may be a function of the frame or current sensor rating rather than the current rating of the circuit breaker. However, the current rating required to meet the ampacity of the circuit drives the circuit breaker selection, thus it needs to be known. (See NEC® Articles 210, 215, 220, 225 and 230.)

### Available Short Circuit Current

The available short circuit current at each point in the system should be determined in order to select circuit breakers with the proper interrupting rating and in turn to determine the level of selective coordination. Short circuit current contribution from large motors should be taken into account.

All circuit breaker testing is done at the X/R ratio indicated in the following chart. For a system X/R ratio larger than the test X/R ratio, the available short circuit current equivalent RMS symmetrical rating for comparison with the values in the tables must be adjusted by a multiplying factor. See IEEE® Std. 242-2001 (Buff Book), IEEE Std. 1015-1997 (Blue Book) or NEMA® AB 3-2001 for details.

Type	Standard	Interrupting Rating	Test X/R
Molded Case Circuit Breakers (Including Insulated Case Circuit Breakers)	UL 489	Greater than 20 kA	4.9
	—	10–20 kA	3.2
	—	Less than 10 kA	1.7
Low Voltage Power Circuit Breakers	UL 1066 (ANSI C37)	—	6.6

### Determining Levels of Selective Coordination

Based on this information, determine the level of selective coordination between pairs of circuit breakers in the system using their time-current curves. If there is overlap of the instantaneous trip characteristic of the two circuit breakers at or below the level of short circuit current available at the downstream circuit breaker, consult the tables presented in **on page 13** and **Appendix C on page 63**. The intersection of the upstream row and downstream circuit breakers column in the tables lists the level of selective coordination between that pair of circuit breakers.

**Example** Let's consider a 480Y/277 Vac system with 25 kA available short circuit current. Assume that the system consists of an NF 250 A main lugs lighting panelboard with single pole EG 35 kAIR rated circuit breakers fed from a JGA36250 circuit breaker with a 35 kA interrupting rating located in an I-Line™ power panelboard. Determine

the level of selective coordination between the upstream JGA circuit breaker and downstream EG circuit breakers by following these steps.

1. Find the 480 Vac table listing EG downstream circuit breakers in , **Table 14 – on page 34.**
2. Find the column for the EG downstream circuit breaker to be studied.
3. Go down the column until the row listing the 250 A JG upstream circuit breaker is found.
4. Read the selective coordination level at the intersection of the column and row, namely 2.4 kA. This means that the JG upstream circuit breaker is selectively coordinated with downstream EG circuit breakers up to 2,000 amperes.

## Optimizing the Selective Coordination Level

The selective coordination of a circuit breaker based low voltage system can be optimized using the techniques presented in the *Enhancing Short Circuit Selective Coordination with Low Voltage Circuit Breakers* data bulletin and the data presented in Appendix B on page 14 and **Appendix C on page 63**. The following is a brief summary of the techniques more fully presented in the *Enhancing Short Circuit Selective Coordination with Low Voltage Circuit Breakers* data bulletin.

### Conduct a Short Circuit Study

Conducting a short circuit study may reveal that lower interrupting rated downstream circuit breakers can be selected, possibly resulting in higher withstand ratings.

### Increase Frame Size

By increasing the frame size of the upstream circuit breaker, it may be possible to increase the selective coordination at that level in the system.

### Change Circuit Breaker Type

By changing the upstream circuit breaker from a molded case to an insulated case circuit breaker, it may be possible to increase the selective coordination at that level in the system.

### Using the Tables

If the level of selective coordination between the two circuit breakers initially selected is not sufficient for the application, the tables may be used to find an alternate upstream circuit breaker selection that will yield a higher level of selective coordination. This may involve a larger frame size or different type of circuit breaker, as mentioned above. This may be done by going down the tables to find possible upstream circuit breakers that may deliver a higher level of selective coordination.

**Example** Using the same example previously stated under **Determining Levels of Selective Coordination**, determine if a higher level of selective coordination can be achieved by following these steps:

1. Move down the column for the EG downstream circuit breaker to be studied, looking for upstream breakers that will yield a higher level of selective coordination.
2. When the desired level of selective coordination is found, read across the row to find the upstream circuit breaker that will yield this level. In this case, a PG circuit breaker will yield a level of selective coordination of 35,000 amperes. This means that the upstream PG circuit breaker is fully selective with downstream EG circuit breakers.

## Conclusion

The actual level of short circuit selective coordination between pairs of Square D low voltage circuit breakers needs to be considered when designing a selectively coordinated low voltage electrical system. This may be done by finding the pair of circuit breakers in the tables presented in this data bulletin and reading the actual level of short circuit selective coordination.

If the level of short circuit selective coordination is not sufficient for the application, an alternate upstream circuit breaker yielding a higher level of short circuit selective coordination may be found by reading down the table. The alternate may be an electronic trip circuit breaker whose instantaneous trip function can be turned OFF, a larger frame size circuit breaker or a different type of circuit breaker.

A short circuit study to determine the level of short circuit current available at various points in the system may allow the selection of circuit breakers with a lower interrupting rating and a higher instantaneous trip level.

The data bulletin ***Enhancing Short Circuit Selective Coordination with Low Voltage Circuit Breakers***, document number 0100DB0403, should be consulted for a further explanation of optimizing techniques for enhancing the level of short circuit selective coordination.

Finally, do not neglect to properly adjust circuit breakers in the field as all Square D low voltage circuit breakers are shipped from the factory with all but the ampere-rating switch in the lowest position.

### Micrologic Electronic Trip Units

In the Type column of tables covering PowerPact™ H, and J circuit breakers, the “U” character in the third position stands for Micrologic Electronic Trip Unit.

For example:

- HDU360–3 pole 60A HD breaker with Micrologic trip unit.
- JLU3250–3 pole 250A JL breaker with Micrologic trip unit.

Type H and J circuit breakers with Micrologic trip units, used as upstream circuit breakers, provide different selectivity levels (usually higher) than their thermal magnetic equivalents.

When Type H and J circuit breakers with Micrologic trip units are used as downstream circuit breakers, there is no difference in selectivity so the standard types include all trip unit options.

### J- and L-Frame Mission Critical Circuit Breakers

In the upstream column of tables covering J- and L-frame mission critical circuit breakers, there are “WU” characters in the third and fourth positions that stand for mission critical circuit breakers with Micrologic electronic trip units.

For example:

- JLWU–3 pole 250 A JL mission critical circuit breaker with Micrologic trip unit
- LDWU400–3 pole 400 A LD mission critical circuit breaker with Micrologic trip unit

When J- and L-frame mission critical circuit breakers are used as downstream circuit breaker, the maximum level of selective coordination is the same as standard J- and L-frame circuit breakers.

## References

***Enhancing Short Circuit Selective Coordination with Low Voltage Circuit Breakers***

Document Number: 0100DB0403

***Overcurrent Protection***

Document Number: 0600DB0301

***Reducing Fault Stress with Zone-selective Interlocking***

Document Number: 0600DB0001

## Additional Resources

Additional resources are available on this topic.

***Selectivity Guidelines for Square D Panelboards***

Document Number: 0100DB0604

***Guide to Power System Selective Coordination 600 Vac and Below***

Document Number: 0100DB0603

***Guide to Low Voltage Transformer Protection and Selective Coordination***

Document Number: 0100DB0902

## Appendix A

### Mission Critical Circuit Breakers

The PowerPact J- and L-frame mission critical circuit breakers deliver high levels of selective coordination in a flexible design that can be easily configured for a variety of applications. Tested to be selectively coordinated with the QO™ family of miniature circuit breakers and the ED, EG, and EJ circuit breakers, this solution provides peace of mind when power availability is critical.

An electronic trip unit provides adjustable long-time settings in three sensor sizes, allowing coverage from 70 through 600 A on 120-240, 208Y/120, 240, and 480Y/277 V systems.

Ratings	Available Configurations
UL 489 Listed CSA Certified Voltage: 480Y/277 V	<ul style="list-style-type: none"> <li>• I-Line mounting</li> <li>• Main circuit breaker in NQ and NF panelboards</li> <li>• Unit mount for OEM users</li> <li>• Plug-in base for OEM users</li> <li>• Drawout base for OEM users</li> </ul>

In addition to unique design attributes, the PowerPact mission critical circuit breakers have also undergone rigorous testing procedures to certify the coordination with downstream circuit breakers—combining innovative engineering with validated test results.

Apply Schneider Electric™ mission critical circuit breakers in emergency power distribution systems, data centers, hospitals, or anywhere continuity of service is desired.

### Theory of Operation

There are several dynamic forces between the PowerPact mission critical circuit breakers and downstream circuit breakers when a fault occurs downstream of the branch circuit breaker. Many of these events cannot be shown on the trip curve.

The PowerPact mission critical circuit breakers analyze the fault current to make decisions which maximize selectivity with downstream circuit breakers. The trip units deploy a special selectivity delay to allow downstream circuit breakers to clear. However, on very high faults or if the downstream circuit breaker does not trip, the circuit breaker trips the mechanism instantaneously.

The combination of the PowerPact mission critical circuit breaker and downstream circuit breakers shown in the selectivity charts in the instruction bulletin are selective due to the fact that the series impedance and the let-through from the downstream circuit breaker does not produce enough energy to trip the PowerPact mission critical circuit breaker.

This system maximizes the interaction of the circuit breakers in series to allow selectivity.

The PowerPact J- and L-frame mission critical circuit breaker is specifically designed to provide selective coordination with QO and E-frame circuit breakers during a short-circuit condition.



### J- and L-Frame Mission Critical Circuit Breakers used as Downstream Circuit Breakers

The trip curves for the J- and L-frame mission critical circuit breakers are the same as the standard Micrologic trip units. When the circuit breakers are used as downstream circuit breakers, they have the same maximum level of selective coordination as standard J- and L-frame circuit breakers.

J-frame mission critical circuit breakers are selective with QO or E-frame circuit breakers per Table 1 when the amperage of the main circuit breaker is at least two times the amperage of the branch circuit breaker.

**Table 1 – J-Frame Selectivity with QO and E-Frame Circuit Breakers<sup>1</sup>**

Circuit Breaker			Voltage	Current	One-Line Diagram	
Main	Branch					
J-W, 250 A	QO(B) QO(B)-H QO(B)-VH	1P, 2P	10–30 A	240/120 V	18 kA	
			35–60 A	120 V	15 kA	
			70–125 A		12 kA	
	QH	3P	10–30 A	240 V	15 kA	
			35–60 A	208 V	13 kA	
			70–125 A		10 kA	
J-W, 250 A	E-Frame	1P, 2P, 3P	15–125 A	240 V	18 kA	
			15–60 A	480Y/277 V	10 kA	
			70–125 A		7 kA	

<sup>1</sup> Including AFI, CAFI, EPD and GFI circuit breakers.

L-frame mission critical circuit breakers are selective with QO-style and E-frame circuit breakers per Table 2 when the amperage of the main circuit breaker is at least two times greater than the amperage of the branch circuit breaker.

**Table 2 – L-Frame Selectivity with QO and E-Frame Circuit Breakers<sup>1</sup>**

Circuit Breaker			Voltage	Current	One-Line Diagram	
Main	Branch					
L-W, 250 A	QO(B) QO(B)-H QO(B)-VH QH	10–60 A	240 V	18 kA		
		70–125 A		10 kA		
L-W, 400 A L-W, 600 A	QO(B) QO(B)-H QO(B)-VH QH	15–150 A	240 V	30 kA		
L-W, 250 A L-W, 400 A L-W, 600 A		E-Frame	15–125 A	240 V		
	480Y/277 V			30 kA		

<sup>1</sup> Including AFI, CAFI, EPD and GFI circuit breakers.

## PowerPact D-Frame Mission Critical and LA/LH Mission Critical

PowerPact D-frame Mission Critical and LA/LH Mission Critical circuit breakers are obsolete and no longer available for sale.

Selectivity information is included in this data bulletin since circuits may be added where these circuit breakers are existing in the panelboards, etc.

**PowerPact D-Frame Mission Critical**



**LA/LH Mission Critical**



### Selective Coordination Levels

**Table 3 – D-Frame Mission Critical Circuit Breakers**

	Main Circuit Breakers	D-MC 150 A	D-MC 250 A	D-MC 400 A/600 A
208Y/120 Vac	Branch Circuit Breaker Standard AIR (10 kA)	QO/QOB 1- and 2-pole	QO/QOB 1- and 2-pole	QO/QOB 1- and 2-pole
	Branch Continuous Current Rating	15–70 A	15–100 A	15–100 A
	Branch Circuit Breakers High AIR (22 kA)	QO/QOB-VH 1-, 2,- and 3-pole	QO/QOB-VH 1-, 2,- and 3-pole	QO/QOB-VH 1-, 2,- and 3-pole
	Branch Continuous Current Rating	15–70 A	15–125 A	15–150 A
	Level of Selective Coordination	30 kA	30 kA	30 kA
	Series Ratings with QO/QOB	65 kA	65 kA	65 kA
	Series Ratings with QO/QOB-VH	65 kA	65 kA	65 kA

**NOTE:** Maximum branch circuit breaker ampacity is 50% of the main circuit breaker ampacity (long time setting).

**Table 4 – LA/LH Mission Critical Circuit Breakers UL 208Y/120 Vac QO/QOB 15–50 A Downstream Circuit Breakers**

Upstream Circuit Breaker			Downstream Circuit Breaker - Type / Ampacity / Voltage Rating / Number of Poles / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	QO/QOB															
			15 A			20 A			30 A			40 A			50 A			
			1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	
10 kAIR																		
200 A	42	LA-MC	18 <sup>2</sup>	18 <sup>2</sup>	16 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	10 <sup>2</sup>	7 <sup>2</sup>	10 <sup>2</sup>	6.5 <sup>2</sup>	7	7	6	6	6	5.5	
225 A			18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	16 <sup>2</sup>	11 <sup>2</sup>	18 <sup>2</sup>	8 <sup>2</sup>	10	10	7.5	10	10	7	
250 A			18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	14 <sup>2</sup>	10	10	10	10	10	10	9
400 A			18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	10	10	10	10	10	10	10
200 A	65	LH-MC	18 <sup>2</sup>	18 <sup>2</sup>	16 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	10 <sup>2</sup>	7 <sup>2</sup>	10 <sup>2</sup>	6.5 <sup>2</sup>	7	7	6	6	6	5.5	
225 A			18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	16 <sup>2</sup>	11 <sup>2</sup>	18 <sup>2</sup>	8 <sup>2</sup>	10	10	7.5	10	10	7	
250 A			18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	14 <sup>2</sup>	10	10	10	10	10	10	9
400 A			18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	18 <sup>2</sup>	10	10	10	10	10	10	10

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> The panelboard in which the QO circuit breaker is located is fully rated 10 kA and series rated 18 kA.

**Table 5 – LA/LH Mission Critical Circuit Breakers UL 208Y/120 Vac QO/QOB 60–100 A Downstream Circuit Breakers**

Upstream Circuit Breaker			Downstream Circuit Breaker—Type / Ampacity / Voltage Rating / Number of Poles / kAIR Maximum Level of Selective Coordination Shown in kA									
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	QO/QOB									
			60 A			70 A			80 A		90–100 A	
		1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	2 Pole 120/240 V	3 Pole 240 V	2 Pole 120/240 V	3 Pole 240 V	
<b>10 kAIR</b>												
200 A	42	LA-MC	5 <sup>2</sup>	6 <sup>2</sup>	5 <sup>2</sup>	5 <sup>2</sup>	6 <sup>2</sup>	5 <sup>2</sup>	5	5	5	5
225 A			8 <sup>2</sup>	10 <sup>2</sup>	6.5 <sup>2</sup>	7 <sup>2</sup>	10 <sup>2</sup>	6 <sup>2</sup>	8	6	6	6
250 A			10 <sup>2</sup>	10 <sup>2</sup>	8 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	7.5 <sup>2</sup>	10	7.5	10	7.5
400 A			10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10	10	10	10
200 A	65	LH-MC	5 <sup>2</sup>	6 <sup>2</sup>	5 <sup>2</sup>	5 <sup>2</sup>	6 <sup>2</sup>	5 <sup>2</sup>	5	5	5	5
225 A			8 <sup>2</sup>	10 <sup>2</sup>	6.5 <sup>2</sup>	7 <sup>2</sup>	10 <sup>2</sup>	6 <sup>2</sup>	8	6	6	6
250 A			10 <sup>2</sup>	10 <sup>2</sup>	8 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	7.5 <sup>2</sup>	10	7.5	10	7.5
400 A			10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10 <sup>2</sup>	10	10	10	10

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> The panelboard in which the QO circuit breaker is located is fully rated 10 kA and series rated 18 kA.

**Table 6 – LA/LH Mission Critical Circuit Breakers UL 208Y/120 Vac QO-VH/QOB-VH 15–50 A Downstream Circuit Breakers**

Upstream Circuit Breaker			Downstream Circuit Breaker—Type / Ampacity / Voltage Rating / Number of Poles / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	QO-VH/QOB-VH														
			15 A			20 A			30 A			40 A			50 A		
		1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	
<b>10 kAIR</b>																	
200 A	42	LA-MC	22	22	16	22	22	10	7	10	6.5	7	7	6	6	6	5.5
225 A			22	22	16	22	22	16	11	22	8	11	18	7.5	10	18	7
250 A			22	22	18	22	22	18	22	22	14	22	18	10	12	18	9
400 A			22	22	18	22	22	18	22	22	18	22	22	18	22	22	18
200 A	65	LH-MC	22	22	16	22	22	10	7	10	6.5	7	7	6	6	6	5.5
225 A			22	22	16	22	22	16	11	22	8	11	18	7.5	10	18	7
250 A			22	22	18	22	22	18	22	22	14	22	18	10	12	18	9
400 A			22	22	18	22	22	18	22	22	18	22	22	18	22	22	18

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

**Table 7 – LA/LH Mission Critical Circuit Breakers UL 208Y/120 Vac QO-VH/QOB-VH 60–100 A Downstream Circuit Breakers**

Upstream Circuit Breaker			Downstream Circuit Breaker—Type / Ampacity / Voltage Rating / Number of Poles / kAIR Maximum Level of Selective Coordination Shown in kA									
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	QO-VH/QOB-VH									
			60 A			70 A			80 A		90–100 A	
			1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	1 Pole 120 V	2 Pole 120/240 V	3 Pole 240 V	2 Pole 120/240 V	3 Pole 240 V	2 Pole 120/240 V	3 Pole 240 V
			10 kAIR									
200 A	42	LA-MC	5	6	5	5	6	5	5	5	5	5
225 A			8	13	6.5	7	10	6	8	6	6	6
250 A			10	13	8	10	11	7.5	11	7.5	10	7.5
400 A			22	22	18	22	22	18	22	18	22	18
200 A	65	LH-MC	5	6	5	5	6	5	5	5	5	5
225 A			8	13	6.5	7	10	6	8	6	6	6
250 A			10	13	8	10	11	7.5	11	7.5	10	7.5
400 A			22	22	18	22	22	18	22	18	22	18

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

**Table 8 – LA/LH Mission Critical Circuit Breakers UL 480Y/277 Vac ED Downstream Circuit Breakers**

Upstream Circuit Breaker			Downstream Circuit Breaker - Type / Ampacity / kAIR Maximum Level of Selective Coordination Shown in kA				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	ED (18kA)/EG (35 kA)				
			15 A	20 A	30 A	40 A	50–100 A
200 A	30	LA-MC	18	10	6	6	6
225 A			18	14	8	7	7
250 A			18	18	18	10	8
400 A			18	18	18	18	18
200 A	35	LH-MC	18	10	6	6	6
225 A			18	14	8	7	7
250 A			18	18	18	10	8
400 A			18	18	18	18	18

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

## Appendix B

### Levels of Short Circuit Selective Coordination for UL 489 Standard Circuit Breakers

Type	Volts	Downstream Circuit Breaker (type or frame size)	Table No.	Page No.
UL	240	QO/B	9	15
		100–150 A	10	18
		250 A	11	24
		400 A	12	28
		600–1200 A	13	32
	480	100–150 A	14	34
		250 A	15	40
		400 A	16	45
		600–1200 A	17	48
	600	100–150 A	18	50
		250 A	19	54
		400 A	20	58
		600–1200 A	21	61

The data in the following tables for UL 489 Listed molded and insulated case circuit breakers also applies to CSA C22.2 #5-02 and ANCE NMX J-266 Certified circuit breakers. All data is at 60 Hz. The data does not apply to circuit breakers that are Certified to IEC 60947-2 only or at frequencies other than 60 Hz.

Fully rated and series rated pairs of circuit breakers where there is a reasonable expectation of selective coordination are shown. Pairings of the same frame size or where the upstream circuit breaker might be a current-limiting circuit breaker are not shown as such pairings would not be expected to selectively coordinate.

It should be noted that series ratings vary by equipment type, thus published information regarding the specific type of Square D equipment being studied should be consulted for the actual series ratings available in that equipment.

Based on laboratory testing, Schneider Electric certifies the following levels of selective coordination based upon the construction of the specific circuit breakers referenced as of the date of publication of this document.

**Table 9 – UL 240 Vac QO/B Selective Coordination**

Upstream Circuit Breaker <sup>1</sup>		Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	Type <sup>2</sup>	QO/B <sup>3</sup>				QO/B-VH <sup>3</sup>			QH/B <sup>3</sup>			QO/B-GFI/EPD		QO/B-VHGF/EPD	QO/B-AFI	QO/B-VHAFI	
		1 Pole 120 V 15-70 A	2 Pole 120/240 V 15-125 A	2 Pole 240 V 15-100 A	3 Pole 240 V 15-100 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-150 A	3 Pole 240 V 15-100 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-30 A	3 Pole 240 V 15-30 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-60 A	1 Pole 120 V 15-30 A	1 Pole 120 V 15-20 A	1 Pole 120 V 15-20 A	
		kAIR <sup>4</sup>	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	Mission Critical <sup>5</sup>	See Appendix A															
100/ 150 A	25	BD	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	HD <sup>6</sup>	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	HDU360	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	
	HDU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
	50	NT-N 800/250 A	10	10	10	10	22	22	22	50	50	50	10	10	22	10	22
	FH	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	BG	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	65	HG <sup>6</sup>	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	HGU360	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	
	HGU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
	NT-H 800/250 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22	
	100	HJ <sup>6</sup>	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	BJ	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	HJU360	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	
	HJU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
	125	HL <sup>6</sup>	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
HLU360	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78		
HLU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94		

*Continued on next page*

**Table 9 – UL 240 Vac QO/B Selective Coordination (continued)**

Upstream Circuit Breaker <sup>1</sup>		Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	Type <sup>2</sup>	QO/B <sup>3</sup>				QO/B-VH <sup>3</sup>			QH/B <sup>3</sup>			QO/B-GF/EPD		QO/B-VHGF/EPD	QO/B-AFI	QO/B-VHAFI	
		1 Pole 120 V 15-70 A	2 Pole 120/240 V 15-125 A	2 Pole 240 V 15-100 A	3 Pole 240 V 15-100 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-150 A	3 Pole 240 V 15-100 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-30 A	3 Pole 240 V 15-30 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-60 A	1 Pole 120 V 15-30 A	1 Pole 120 V 15-20 A	1 Pole 120 V 15-20 A	
		10	10	10	10	22	22	22	65	65	65	10	10	22	10	22	
	Mission Critical <sup>5</sup>	See Appendix A															
250 A	10 QB	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	25 JD <sup>6</sup>	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JDU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		QD <sup>6,7</sup>	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
		LD	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		JG <sup>6</sup>	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JGU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LG	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		65 NT-H 800/250 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		PG	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		PK	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		QG <sup>6,7</sup>	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
		NW-N 800/250 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		JJ <sup>6</sup>	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		JJU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		100 LJ	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		PJ <sup>8</sup>	10	10	10	10	22	6.3	6.3	65	65	6.3	10	10	22	10	22
		QJ <sup>6,7,9,10</sup>	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
		125 JL <sup>6</sup>	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		JLU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	LL	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	Mission Critical <sup>5</sup>	See Appendix A															
400 A	25 LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	
	42 LA <sup>11</sup>	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		DG	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	10	3.1
		LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		65 MG <sup>8</sup>	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		NT-H 800 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		NW-N 2000 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		PG	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		PK	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
		100 LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		125 LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17

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**Table 9 – UL 240 Vac QO/B Selective Coordination (continued)**

Upstream Circuit Breaker <sup>1</sup>		Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	Type <sup>2</sup>	QO/B <sup>3</sup>				QO/B-VH <sup>3</sup>			QH/B <sup>3</sup>			QO/B-GFI/EPD		QO/B-VHGF/EPD	QO/B-AFI	QO/B-VHAFI
		1 Pole 120 V 15-70 A	2 Pole 120/240 V 15-125 A	2 Pole 240 V 15-100 A	3 Pole 240 V 15-100 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-150 A	3 Pole 240 V 15-100 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-30 A	3 Pole 240 V 15-30 A	1 Pole 120 V 15-30 A	2 Pole 120/240 V 15-60 A	1 Pole 120 V 15-30 A	1 Pole 120 V 15-20 A	1 Pole 120 V 15-20 A
		10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	Mission Critical <sup>5</sup>	See Appendix A														
600 A	25 LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	DG	10	4.6	4.6	10	22	4.6	4.6	65	4.6	4.6	10	4.6	22	10	22
	LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	MG <sup>8</sup>	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	65 NT-H 1200 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	NW-N 2000 A	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	PG	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	PK	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	RG	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	RK	10	10	10	10	22	22	22	65	65	65	10	10	22	10	22
	100 LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	125 LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49

- <sup>1</sup> Number after NW-x indicates frame size.
- <sup>2</sup> Type H and J circuit breakers with the "U" character in the third position are equipped with Micrologic Electronic Trip Units. When used as upstream circuit breakers, they provide different selectivity levels (usually higher) than their thermal-magnetic equivalents. See page 5 for additional information.
- <sup>3</sup> QO plug-on and bolt-on circuit breakers.
- <sup>4</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.
- <sup>5</sup> See Mission Critical Circuit Breakers in Appendix A.
- <sup>6</sup> Series rating with 35–150 A QO/B-VH 3-pole circuit breakers only
- <sup>7</sup> Series ratings limited to 70–225 A only.
- <sup>8</sup> Series rating at 42 kA with 15–30 A QO/B-VH 2- and 3-pole circuit breakers only.
- <sup>9</sup> Rated 208Y/120 Vac
- <sup>10</sup> Series rating with 35–150 A QO/B-VH 2-pole circuit breakers only.
- <sup>11</sup> Series rating with 15–125 A QO circuit breakers only.

**Table 10 – UL 240 Vac 100–150 A Selective Coordination**

Upstream Circuit Breaker 1			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR 2	Type 3	EDB	ECB4	EGB	EJB	FA5	BD	HD	FH	BG	HG	FJ	BJ	HJ	HL	HRU	
			25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
100/150 A		Mission Critical 6	See Appendix A															
		HD	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	25	BD	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		HDU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	50	NT-N 800/250 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	50
		FH	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		BG	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	65	HG	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HGU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		NT-H 800/250 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		NW-N 800/250 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		BJ	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		HJ	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	100	HJU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		NT-L1 800/250 A	25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35
		NW-H 800/250 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	100
	125	HL	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HLU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	200	NT-L 800/250 A	25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35
		NT-LF 800/250 A	25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35
	NW-L 800/250 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	200	
	NW-LF 800/250 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	200	

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**Table 10 – UL 240 Vac 100–150 A Selective Coordination (continued)**

Upstream Circuit Breaker <sup>1</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR <sup>2</sup>	Type <sup>3</sup>	EDB	ECB <sup>4</sup>	EGB	EJB	FA <sup>5</sup>	BD	HD	FH	BG	HG	FJ	BJ	HJ	HL	HRU	
			25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
		Mission Critical <sup>6</sup>	See Appendix A															
250 A	25	JD	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		JDU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		JDWU	18	18	18	18	2.6	18	8	2.6	18	8	8	18	8	8	8	8
		QD	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
		LD	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		LDWU250	25	25	25	25	2.6	25	8	2.6	25	8	8	25	8	8	8	8
	50	NT-N 800/250 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	50
		JG	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	65	JGU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		JGWU	18	18	18	18	2.6	18	8	2.6	18	8	8	1	8	8	8	18
		LG	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		LGWU250	25	30	30	30	2.6	25	8	2.6	30	8	8	30	8	8	8	8
		NT-H 800/250 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		PG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		PK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		QG	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
		NW-N 800/250 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		100	JJ	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	JJU3250		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	JJWU		18	18	18	18	2.6	18	8	2.6	8	8	8	8	8	8	8	18
	LJ		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	LJWU250		25	30	30	30	2.6	25	8	2.6	30	8	8	30	8	8	8	8
	NT-L1 800/250 A		25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35
	NW-H 800/250 A		25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	100
	PJ		25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35
QJ <sup>7</sup>	1.7		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
125	JL		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	JLU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	JLWU	18	18	18	18	2.6	18	8	2.6	18	8	8	18	8	8	8	8	
	LL	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	LLWU250	25	30	30	30	2.6	25	8	2.6	30	8	8	30	8	8	8	8	
	PL	25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35	
200	NT-L 800/250 A	25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35	
	NT-LF 800/250 A	25	65	6.3	6.3	6.3	25	25	6.3	49	35	6.3	49	35	35	35	35	
	NW-L 800/250 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	200	
	NW-LF 800/250 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	200	

Continued on next page

**Table 10 – UL 240 Vac 100–150 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>1</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR <sup>2</sup>	Type <sup>3</sup>	EDB	ECB <sup>4</sup>	EGB	EJB	FA <sup>5</sup>	BD	HD	FH	BG	HG	FJ	BJ	HJ	HL	HRU	
			25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
400 A		Mission Critical <sup>6</sup>	See Appendix A															
	25	LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LDWU3400	25	25	25	25	4.17	25	25	4.17	25	25	25	25	25	25	25	25
	42	LA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		LA-MC <sup>6</sup>	7	7	7	7	7	18.6	12.4	7	18.6	12.4	7	18.6	12.4	12.4	12.4	12.4
	50	NT-N 800 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	50
		DG	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LGWU3400	25	30	30	30	4.17	25	25	4.17	30	30	30	30	30	30	30	30
		LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	65	LH-MC <sup>6</sup>	7	7	7	7	7	18.6	12.4	7	18.6	12.4	7	18.6	12.4	12.4	12.4	12.4
		MG	25	65	65	65	25	25	25	10.8	65	65	65	65	65	65	65	65
		NT-H 800 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		PG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		PK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65
		DJ	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LJWU3400	25	30	30	30	4.17	25	25	4.17	30	30	30	30	30	30	30	30
	100	MJ	25	65	65	100	25	25	25	10.8	65	65	100	100	100	100	100	100
		NT-L1 800 A	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	100
		NW-H 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	100
		PJ	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	100
		LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
	125	LLWU3400	25	30	30	30	4.17	25	25	4.17	30	30	30	30	30	30	30	30
		PL	25	65	65	100	25	25	25	9	65	65	100	100	100	100	125	100
		NT-L 800 A	25	65	65	100	25	25	25	9	65	65	100	100	100	100	125	100
	200	NT-LF 800 A	25	65	65	100	25	25	25	9	65	65	100	100	100	100	125	100
	NW-L 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	200	
	NW-LF 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	125	200	

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**Table 10 – UL 240 Vac 100–150 A Selective Coordination (continued)**

Upstream Circuit Breaker 1			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	kAIR 2	Type 3	EDB	ECB4	EGB	EJB	FA5	BD	HD	FH	BG	HG	FJ	BJ	HJ	HL	HRU		
			25	65	65	100	25	25	25	65	65	65	100	100	100	125	200		
		Mission Critical 6	See Appendix A																
600 A	25	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		LDWU3600	25	25	25	25	5.49	25	25	5.49	25	25	25	25	25	25	25	25	25
	50	NT-N 1200 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	50	50
		DG	4.6	4.6	4.6	4.6	4.6	19.5	12.8	4.6	19.5	12.8	4.6	19.5	12.8	12.8	12.8	12.8	
	65	LG	5.49	5.49	5.49	5.49	5.49	10.1	5.49	5.49	10.1	5.49	5.49	10.1	5.49	5.49	5.49	5.49	
		LGWU3600	25	30	30	30	5.49	25	25	5.49	30	30	30	30	30	30	30	30	
		MG	25	65	65	65	25	25	25	10.8	65	65	65	65	65	65	65	65	
		NT-H 1200 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65	
		NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65	
		PG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65	
		PK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65	
		RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65	
		RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	65	
		100	DJ	4.6	4.6	4.6	4.6	4.6	19.5	12.8	4.6	19.5	12.8	4.6	19.5	12.8	12.8	12.8	12.8
	LJ		5.49	5.49	5.49	5.49	5.49	10.1	5.49	5.49	10.1	5.49	5.49	10.1	5.49	5.49	5.49	5.49	
	LJWU3600		25	30	30	30	5.49	25	25	5.49	30	30	30	30	30	30	30	30	
	MJ		25	65	65	100	25	25	25	10.8	65	65	100	100	100	100	100	100	
	NT-L1 1200 A		25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	100	
	NW-H 2000 A		25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	100	
	PJ		25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	100	
RJ	25		65	65	100	25	25	25	65	65	65	100	100	100	100	100	100		
125	LL		5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
	LLWU3600		25	30	30	30	5.49	25	25	5.49	30	30	30	30	30	30	30	30	
	PL	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100			
600 A	200	RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125		
		NT-L 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100		
		NT-LF 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100		
		NW-L 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200		
	50	65	NW-LF 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
			NT-N 1200 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	
			MG	25	65	65	65	25	25	25	10.8	65	65	65	65	65	65	65	
			NT-H 1200 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
			NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
			PG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
800 A	100	PK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65		
		RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65			
		RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65			
		MJ	25	65	65	100	25	25	25	10.8	65	65	100	100	100	100	100		
	125	200	NT-L1 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	
			NW-H 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
			PJ	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	
			RJ	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
			PL	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
			RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125	
200	200	NT-L 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100		
		NT-LF 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100		
		NW-L 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200		
		NW-LF 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200		

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**Table 10 – UL 240 Vac 100–150 A Selective Coordination (continued)**

Upstream Circuit Breaker 1			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR 2	Type 3	EDB	ECB <sup>4</sup>	EGB	EJB	FA <sup>5</sup>	BD	HD	FH	BG	HG	FJ	BJ	HJ	HL	HRU	
			25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
1000 A	50	NT-N 1200 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	
		NT-H 1200 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
	65	PG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		PK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
	100	NT-L1 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	
		NW-H 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
		PJ	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	
		RJ	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
	125	PL	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
		RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125	
	200	NT-L 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
		NT-LF 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
		NW-L 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
NW-LF 1600 A		25	65	65	100	25	25	25	65	65	65	100	100	100	125	200		
1200 A	50	NT-N 1200 A	25	50	50	50	25	25	25	50	50	50	50	50	50	50	50	
		NT-H 1200 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
	65	PG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		PK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
	100	NT-L1 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	
		NW-H 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
		PJ	25	65	65	100	25	25	25	9	65	65	100	100	100	100	100	
		RJ	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
	125	PL	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
		RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125	
	200	NT-L 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
		NT-LF 1200 A	25	65	65	100	25	25	25	9	65	65	100	100	100	125	100	
		NW-L 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
NW-LF 1600 A		25	65	65	100	25	25	25	65	65	65	100	100	100	125	200		
1600 A	65	NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
		RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65		
		RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65		
	100	NW-H 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
		RJ	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100	
	125	RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125	
		NW-L 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
	200	NW-LF 1600 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
		NW-N 2000 A	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65	
	2000 A	65	RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65
			RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	
		100	NW-H 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100
			RJ	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100
		125	RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125
			NW-L 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200
		200	NW-LF 2000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200

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**Table 10 – UL 240 Vac 100–150 A Selective Coordination (continued)**

Upstream Circuit Breaker <sup>1</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	kAIR <sup>2</sup>	Type <sup>3</sup>	EDB	ECB <sup>4</sup>	EGB	EJB	FA <sup>5</sup>	BD	HD	FH	BG	HG	FJ	BJ	HJ	HL	HRU
			25	65	65	100	25	25	25	65	65	65	100	100	100	125	200
2500–3000 A	65	RG	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65
		RK	25	65	65	65	25	25	25	65	65	65	65	65	65	65	65
	100	NW-H 3000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100
		RJ	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100
		125 RL	25	65	65	100	25	25	25	65	65	65	100	100	100	125	125
200	NW-L 3000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200	
4000–6000 A	100	NW-H 6000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	100	100
	200	NW-L 6000 A	25	65	65	100	25	25	25	65	65	65	100	100	100	125	200

- <sup>1</sup> Number after NW-x indicates frame size.
- <sup>2</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.
- <sup>3</sup> Type H and J circuit breakers with the “U” character in the third position are equipped with Micrologic Electronic Trip Units. When used as upstream circuit breakers, they provide different selectivity levels (usually higher) than their thermal-magnetic equivalents. See page 5 for additional information.  
When used as downstream circuit breakers, there is no difference in selectivity so the standard HD, etc. types include all trip unit options.
- <sup>4</sup> 3-pole 30A ECB circuit breaker is rated 42kA at 240V.
- <sup>5</sup> 600 Vac rated FA - 240 Vac rated FA has AIR of 10 kA.
- <sup>6</sup> See Mission Critical Circuit Breakers in Appendix A.
- <sup>7</sup> Rated 208Y/120 Vac.

**Table 11 – UL 240 Vac 250 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																			
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	QB	QD	JD	QG	JG	PG	QJ <sup>3</sup>	JJ	LD	LG	LJ	LL	LR	LE	LX	PJ	JL	PL	JR	
			10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	100	125	125	200
400 A	25	LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	
		LDWU3400	4.17	4.17	25	4.17	25	4.17	4.17	25	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	25	4.17	25
	42	LA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		LA-MC	7	7	10.3	7	10.3	7	7	10.3	7	7	7	7	7	7	7	7	7	10.3	7	10.3
	50	NT-N 1200 A	10	25	25	50	50	36	50	50	25	50	50	50	50	50	50	36	50	36	50	
		DG	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	65	LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LGWU3400	4.17	4.17	25	4.17	30	4.17	4.17	30	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	30	4.17	30
		LH-MC	7	7	10.3	7	10.3	7	7	10.3	7	7	7	7	7	7	7	7	7	10.3	7	10.2
		LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		MG	10	25	25	10.8	65	10.8	10.8	65	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	65	10.8	65	65
		NT-H 1200 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	65
		NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	65
		PG	10	25	25	65	65	21.6	65	65	21.6	21.6	21.6	21.6	21.6	21.6	65	65	21.6	65	21.6	65
		PK	10	25	25	65	65	21.6	65	65	21.6	21.6	21.6	21.6	21.6	21.6	65	65	21.6	65	21.6	65
		DJ	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LJWU3400	4.17	4.17	25	4.17	30	4.17	4.17	30	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	30	4.17	30
	100	MJ	10	25	25	10.8	65	10.8	10.8	100	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	100	10.8	100	
		NT-L1 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100	
		NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	100	36	100	36	100	
		PJ	10	25	25	9	65	9	9	100	9	9	9	9	9	9	9	9	100	9	100	
	125	LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	
		LLWU3400	4.17	4.17	25	4.17	30	4.17	4.17	30	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	30	4.17	30	
		PL	10	25	25	9	65	9	9	100	9	9	9	9	9	9	9	9	119	9	119	
	200	NT-L 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119	
		NT-LF 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119	
		NW-L 1600 A	10	25	25	65	65	31.5	100	100	25	65	100	125	200	100	100	31.5	125	31.5	200	
NW-LF 1600 A		10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200		

*Continued on next page*



**Table 11 – UL 240 Vac 250 A Selective Coordination (continued)**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																		
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	QB	QD	JD	QG	JG	PG	QJ <sup>3</sup>	JJ	LD	LG	LJ	LL	LR	LE	LX	PJ	JL	PL	JR
			10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	100	125	125
25		LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LDWU3600	5.49	5.49	25	5.49	25	5.49	5.49	25	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	25	5.49	25
50		NT-N 1200 A	10	25	25	50	50	36	50	50	25	50	50	50	50	50	50	36	50	36	50
		DG	4.6	4.6	10.6	4.6	10.6	4.6	4.6	10.6	16	16	16	4.6	4.6	4.6	4.6	4.6	10.6	4.6	10.6
600 A		LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LGWU3600	5.49	5.49	25	5.49	30	5.49	5.49	30	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	30	5.49	30
65		MG	10	25	25	10.8	65	10.8	10.8	65	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	65	10.8	65
		NT-H 1200 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65
600 A		NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65
		PG	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	21.6	65	21.6	65
600 A		PK	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	21.6	65	21.6	65
		RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65
600 A		RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65
		DJ	4.6	4.6	10.6	4.6	10.6	4.6	4.6	10.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	10.6	4.6	10.6
100		LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LJWU3600	5.49	5.49	25	5.49	30	5.49	5.49	30	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	30	5.49	30
100		MJ	10	25	25	10.8	65	10.8	10.8	100	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	100	10.8	100
		NT-L1 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100
100		NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	100	36	100	36	100
		PJ	10	25	25	9	65	9	9	100	9	9	9	9	9	9	9	9	100	9	100
125		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100
		LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
600 A		LLWU3600	5.49	5.49	25	5.49	30	5.49	5.49	30	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	30	5.49	30
		PL	10	25	25	9	65	9	9	100	9	9	9	9	9	9	9	9	119	9	119
600 A		RL	10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125
		NT-L 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
600 A		NT-LF 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
		NW-L 1600 A	10	25	25	65	65	31.5	100	100	25	65	100	125	200	100	100	31.5	125	31.5	200
800 A		NW-LF 1600 A	10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200
		NT-N 1200 A	10	25	25	50	50	36	50	50	25	50	50	50	50	50	50	36	50	36	50
65		MG	10	25	25	10.8	65	10.8	10.8	65	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	65	10.8	65
		NT-H 1200 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65
65		NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65
		PG	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	21.6	65	21.6	65
65		PK	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	21.6	65	21.6	65
		RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65
800 A		RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65
		MJ	10	25	25	10.8	65	10.8	10.8	100	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	100	10.8	100
100		NT-L1 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100
		NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	100	36	100	36	100
125		PJ	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100
		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100
200		PL	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
		RL	10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125
200		NT-L 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
		NT-LF 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
200		NW-L 1600 A	10	25	25	65	65	31.5	100	100	25	65	100	125	200	100	100	31.5	125	31.5	200
		NW-LF 1600 A	10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200

Continued on next page

**Table 11 – UL 240 Vac 250 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																			
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	QB	QD	JD	QG	JG	PG	QJ <sup>3</sup>	JJ	LD	LG	LJ	LL	LR	LE	LX	PJ	JL	PL	JR	
			10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	100	125	125	200
500 A	50	NT-N 1200 A	10	25	25	50	50	36	50	50	25	50	50	50	50	50	50	36	50	36	50	
		NT-H 1200 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	
		NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	
		65	PG	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	21.6	65	21.6	65
		PK	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	65	21.6	65	21.6	65
		RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	65
	RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	65	
	100	1000 A	NT-L1 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100
		NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	100	36	100	36	100	
		PJ	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100	
		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100	
		125	PL	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
RL		10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125		
200	NT-L 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119		
	NT-LF 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119		
	NW-L 1600 A	10	25	25	65	65	31.5	100	100	25	65	100	125	200	100	100	31.5	125	31.5	200		
	NW-LF 1600 A	10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200		
1200 A	50	NT-N 1200 A	10	25	25	50	50	36	50	50	25	50	50	50	50	50	50	36	50	36	50	
		NT-H 1200 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	
		NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	
		65	PG	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	21.6	65	21.6	65
		PK	10	25	25	65	65	21.6	65	65	25	65	65	65	65	65	65	65	21.6	65	21.6	65
		RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	65
	RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	65	
	100	1200 A	NT-L1 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100
		NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	100	36	100	36	100	
		PJ	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	100	9	100	
		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100	
		125	PL	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119
RL		10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125		
200	NT-L 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119		
	NT-LF 1200 A	10	25	25	9	65	9	9	100	16	16	16	16	16	9	9	9	119	9	119		
	NW-L 1600 A	10	25	25	65	65	31.5	100	100	25	65	100	125	200	100	100	31.5	125	31.5	200		
	NW-LF 1600 A	10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200		
1600 A	65	NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	
		RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	
		RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	
		100	NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	36	100	36	100	
		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100	
		125	RL	10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125
	200	NW-L 1600 A	10	25	25	65	65	31.5	100	100	25	65	100	125	200	100	100	31.5	125	31.5	200	
		NW-LF 1600 A	10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200	

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**Table 11 – UL 240 Vac 250 A Selective Coordination (continued)**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																			
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	QB	QD	JD	QG	JG	PG	QJ <sup>3</sup>	JJ	LD	LG	LJ	LL	LR	LE	LX	PJ	JL	PL	JR	
			10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	100	125	125	200
2000 A	65	NW-N 2000 A	10	25	25	65	65	36	65	65	25	65	65	65	65	65	65	36	65	36	65	
		RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	
		RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	
	100	NW-H 2000 A	10	25	25	65	65	36	100	100	25	65	100	100	100	100	100	36	100	36	100	
		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100	
	125	RL	10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125	
		200	NW-L 2000 A	10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	125	125	200
			NW-LF 2000 A	10	25	25	65	65	21.6	100	100	25	65	100	125	200	100	100	21.6	125	21.6	200
2500–3000 A	65	RG	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	
		RK	10	25	25	65	65	51.3	65	65	25	65	65	65	65	65	65	65	65	65	65	
	100	NW-H 3000 A	10	25	25	65	65	65	100	100	25	65	100	100	100	100	100	100	100	100	100	
		RJ	10	25	25	65	65	40.8	100	100	25	65	100	100	100	100	100	40.8	100	40.8	100	
	125	RL	10	25	25	65	65	40.8	100	100	25	65	100	125	125	100	100	40.8	125	40.8	125	
		200	NW L 3000 A	10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	125	125	200
4000–6000 A	100	NW-H 6000 A	10	25	25	65	65	65	100	100	25	65	100	100	100	100	100	100	100	100	100	
	200	NW-L 6000 A	10	25	25	65	65	65	100	100	25	65	100	125	200	100	100	100	125	125	200	

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

<sup>3</sup> 3 pole QJ circuit breakers are rated 100 kA at 208Y/120 Vac.

<sup>4</sup> When J- and L-frame mission critical circuit breakers are used as downstream circuit breakers, the maximum level of selective coordination is the same as standard J- and L-frame circuit breaker.

**Table 12 – UL 240 Vac 400 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																						
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	Q4	LA	LA-MC	LH	LH-MC	DG	DJ	DJ-MC <sup>3</sup>	PG	LD	LG	LJ	LL	LR	LC	LE	LX	PJ	PL	LI	LXI		
			25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	100	125	200	200	
25	LD		5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		50	NT-N 1200 A	25	42	42	50	50	50	50	50	36	25	50	50	50	50	50	50	50	36	36	50	50	
65	65	DG	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
		LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	19.5	19.5	
		NT-H 1200 A	25	42	42	65	65	65	65	65	65	36	25	65	65	65	65	65	65	65	36	36	65	65	
		NW-N 2000 A	25	42	42	65	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65
		PG	21.6	21.6	21.6	21.6	21.6	65	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65
		PK	21.6	21.6	21.6	21.6	21.6	65	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65
		RG	25	42	42	65	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65
		RK	25	42	42	65	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65
		600 A	600 A	DJ	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
LJ	5.49			5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
MJ	10.8			10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	19.5	19.5	
100	100	NT-L1 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NW-H 2000 A	25	42	42	65	65	65	100	65	36	25	65	100	100	100	100	100	100	100	36	36	100	100	
		PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	100	40.8	40.8	100	100	
		LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
125	125	PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	40.8	40.8	125	125		
200	200	NT-L 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NT-LF 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NW-L 1600 A	25	42	42	31.5	65	65	100	65	31.5	25	65	100	125	200	100	100	100	100	31.5	31.5	200	200	
		NW-LF 1600 A	21.6	21.6	21.6	21.6	21.6	65	100	65	21.6	25	65	100	125	200	100	100	100	100	21.6	21.6	141	141	

Continued on next page

**Table 12 – UL 240 Vac 400 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																						
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	Q4	LA	LA-MC	LH	LH-MC	DG	DJ	DJ-MC <sup>3</sup>	PG	LD	LG	LJ	LL	LR	LC	LE	LX	PJ	PL	LI	LXI		
			25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	100	125	200	200	
800 A	50	NT-N 1200 A	25	42	42	50	50	50	50	50	36	25	50	50	50	50	50	50	50	50	36	36	50	50	
		MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
		NT-H 1200 A	25	42	42	65	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65
		NW-N 2000 A	25	42	42	65	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65
	65	PG	21.6	21.6	21.6	21.6	21.6	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65	
		PK	21.6	21.6	21.6	21.6	21.6	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65	
		RG	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
		RK	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
	100	MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	19.5	19.5	
		NT-L1 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NW-H 2000 A	25	42	42	65	65	65	100	65	36	25	65	100	100	100	100	100	100	100	36	36	100	100	
		PJ	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
	125	RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	100	40.8	40.8	100	100	
		PL	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	100	40.8	40.8	125	125	
		NT-L 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
	200	NT-LF 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NW-L 1600 A	25	42	42	31.5	31.5	65	100	65	31.5	25	65	100	125	200	100	100	100	100	31.5	31.5	200	200	
		NW-LF 1600 A	21.6	21.6	21.6	21.6	21.6	65	100	65	21.6	25	65	100	125	200	100	100	100	100	21.6	21.6	141	141	
1000 A	50	NT-N 1200 A	25	42	42	50	50	50	50	50	36	25	50	50	50	50	50	50	50	50	36	36	50	50	
		NT-H 1200 A	25	42	42	65	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65
		NW-N 2000 A	25	42	42	65	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65
		65	PG	21.6	21.6	21.6	21.6	21.6	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65
	100	PK	21.6	21.6	21.6	21.6	21.6	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65	
		RG	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
		RK	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
		NT-L1 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
	125	NW-H 2000 A	25	42	42	65	65	65	100	65	36	25	65	100	100	100	100	100	100	100	36	36	100	100	
		PJ	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	100	40.8	40.8	100	100	
		200	PL	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
	1000 A	RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	100	40.8	40.8	125	125	
		NT-L 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NT-LF 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	
		NW-L 1600 A	25	42	42	31.5	31.5	65	100	65	31.5	25	65	100	125	200	100	100	100	100	31.5	31.5	200	200	

Continued on next page

**Table 12 – UL 240 Vac 400 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																						
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	Q4	LA	LA-MC	LH	LH-MC	DG	DJ	DJ-MC <sup>3</sup>	PG	LD	LG	LJ	LL	LR	LC	LE	LX	PJ	PL	LI	LXI		
			25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	100	125	200	200	
1200 A	50	NT-N 1200 A	25	42	42	50	50	50	50	50	36	25	50	50	50	50	50	50	50	36	36	50	50		
		NT-H 1200 A	25	42	42	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65	
		NW-N 2000 A	25	42	42	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65	
	65	PG	21.6	21.6	21.6	21.6	21.6	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65	
		PK	21.6	21.6	21.6	21.6	21.6	65	65	65	21.6	25	65	65	65	65	65	65	65	65	21.6	21.6	65	65	
		RG	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
		RK	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
	100	NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	
		NW-H 2000 A	25	42	42	65	65	65	100	65	36	25	65	100	100	100	100	100	100	100	36	36	100	100	
		PJ	9	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	
		RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	100	40.8	40.8	100	100	
		125	PL	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9
			RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	40.8	40.8	125	125	
		200	NT-L 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9
			NT-LF 1200 A	9	9	9	9	9	9	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9
			NW-L 1600 A	25	42	42	31.5	31.5	65	100	65	31.5	25	65	100	125	200	100	100	100	31.5	31.5	200	200	
			NW-LF 1600 A	21.6	21.6	21.6	21.6	21.6	65	100	65	21.6	25	65	100	125	200	100	100	100	21.6	21.6	141	141	
	1600 A	65	NW-N 2000 A	25	42	42	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65
			RG	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65
			RK	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65
100		NW-H 2000 A	25	42	42	65	65	65	100	65	36	25	65	100	100	100	100	100	100	36	36	100	100		
		RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	40.8	40.8	100	100		
125		RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	40.8	40.8	125	125		
200		NW-L 1600 A	25	42	42	31.5	31.5	65	100	65	31.5	25	65	100	125	200	100	100	100	31.5	31.5	200	200		
		NW-LF 1600 A	21.6	21.6	21.6	21.6	21.6	65	100	65	21.6	25	65	100	125	200	100	100	100	21.6	21.6	141	141		
2000 A	65	NW-N 2000 A	25	42	42	65	65	65	65	65	36	25	65	65	65	65	65	65	65	65	36	36	65	65	
		RG	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
		RK	25	42	42	65	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65	
	100	NW-H 2000 A	25	42	42	65	65	65	100	65	36	25	65	100	100	100	100	100	100	36	36	100	100		
		RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	40.8	40.8	100	100		
	125	RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	40.8	40.8	125	125		
	200	NW-L 2000 A	25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	125	200	200		
		NW-LF 2000 A	21.6	21.6	21.6	21.6	21.6	65	100	65	21.6	25	65	100	125	200	100	100	100	21.6	21.6	141	141		
2500–3000 A	65	RG	25	42	42	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65		
	65	RK	25	42	42	65	65	65	65	51.3	25	65	65	65	65	65	65	65	65	65	65	65	65		
	100	NW-H 3000 A	25	42	42	65	65	65	100	65	65	25	65	100	100	100	100	100	100	100	100	100	100		
		RJ	25	42	42	65	65	65	100	65	40.8	25	65	100	100	100	100	100	100	40.8	40.8	100	100		
	125	RL	25	42	42	65	65	65	100	65	40.8	25	65	100	125	125	100	100	100	40.8	40.8	125	125		
	200	NW-L 3000 A	25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	125	200	200		

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**Table 12 – UL 240 Vac 400 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>4</sup>	Q4	LA	LA-MC	LH	LH-MC	DG	DJ	DJ-MC <sup>3</sup>	PG	LD	LG	LJ	LL	LR	LC	LE	LX	PJ	PL	LI	LXI
			25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	100	125	200
4000–6000 A	100	NW-H 6000 A	25	42	42	65	65	65	100	65	65	25	65	100	100	100	100	100	100	100	100	100	100
	200	NW-L 6000 A	25	42	42	65	65	65	100	65	65	25	65	100	125	200	100	100	100	100	100	125	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

<sup>3</sup> DJ-MC circuit breakers are rated 65 kA at 208Y/120 Vac.

<sup>4</sup> When L-frame mission critical circuit breakers are used as downstream circuit breakers, the maximum level of selective coordination is the same as standard L-frame circuit breaker.

**Table 13 – UL 240 Vac 600–1200 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																								
Max. Cont. Current Rating	kAIR <sub>1</sub>	Type <sup>4</sup>	DG	DJ	DJ-MC <sup>3</sup>	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	MG	MJ	PG	PK	PJ	PL	NT-N	NT-H	NT-L1	NT-L		
			65	100	65	25	65	100	125	200	100	100	100	100	200	200	65	100	65	65	100	125	50	65	100	200	
800 A	50	NT-N 1200 A	50	50	50	25	50	50	50	50	50	50	50	50	50	50	36	36	36	36	36	36	36	36	36	36	
		MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	19.5	19.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
		NT-H 1200 A	65	65	65	25	65	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36	
	65	NW-N 2000 A	65	65	65	25	65	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36	
		PG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		PK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
	100	RG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	
		RK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	
		MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	19.5	19.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
		125	NT-L1 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			NW-H 2000 A	65	100	65	25	65	100	100	100	100	100	100	100	100	100	36	36	36	36	36	36	36	36	36	36
			PJ	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		200	RJ	65	100	65	25	65	100	100	100	100	100	100	100	100	100	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
			PL	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			RL	65	100	65	25	65	100	125	125	100	100	100	125	125	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
			NT-L 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			NT-LF 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			NW-L 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
	1000 A	50	NW-LF 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
			NT-N 1200 A	50	50	50	25	50	50	50	50	50	50	50	50	50	36	36	36	36	36	36	36	36	36	36	36
			NT-H 1200 A	65	65	65	25	65	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36
		65	NW-N 2000 A	65	65	65	25	65	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36
			PG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
			PK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
100		RG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	
		RK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	
		NT-L1 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		125	NW-H 2000 A	65	100	65	25	65	100	100	100	100	100	100	100	100	36	36	36	36	36	36	36	36	36	36	36
			PJ	9	9	6	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			RJ	65	100	65	25	65	100	100	100	100	100	100	100	100	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
		200	PL	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			RL	65	100	65	25	65	100	125	125	100	100	100	125	125	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
			NT-L 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			NT-LF 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			NW-L 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
			NW-LF 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6

Continued on next page



**Table 13 – UL 240 Vac 600–1200 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR																								
			Maximum Level of Selective Coordination Shown in kA																								
Max. Cont. Current Rating	kAIR <sub>1</sub>	Type <sup>4</sup>	DG	DJ	DJ-MC <sup>3</sup>	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	MG	MJ	PG	PK	PJ	PL	NT-N	NT-H	NT-L1	NT-L		
			65	100	65	25	65	100	125	200	100	100	100	100	200	200	65	100	65	65	100	125	50	65	100	200	
1200 A	50	NT-N 1200 A	50	50	50	25	50	50	50	50	50	50	50	50	50	36	36	36	36	36	36	36	36	36	36	36	
		NT-H 1200 A	65	65	65	25	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36	36	
		NW-N 2000 A	65	65	65	25	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36	36	
	65	PG	65	65	65	25	65	65	65	65	65	65	65	65	65	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		PK	65	65	65	25	65	65	65	65	65	65	65	65	65	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		RG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	51.3	
		RK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	51.3	
	100	NT-L1 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NW-H 2000 A	65	100	65	25	65	100	100	100	100	100	100	100	100	36	36	36	36	36	36	36	36	36	36	36	
		PJ	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	125	RJ	65	100	65	25	65	100	100	100	100	100	100	100	100	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	
		PL	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	200	RL	65	100	65	25	65	100	125	125	100	100	100	125	125	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	
		NT-L 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NT-LF 1200 A	9	9	9	16	16	16	16	16	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NW-L 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	
	1600 A	65	NW-LF 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
			NW-N 2000 A	65	65	65	25	65	65	65	65	65	65	65	65	65	36	36	36	36	36	36	36	36	36	36	36
			RG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	65	65	50	51.3	51.3	65	
		100	RK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	65	65	50	51.3	51.3	65	
			NW-H 2000 A	65	100	65	25	65	100	100	100	100	100	100	100	100	36	36	36	36	36	36	36	36	36	36	36
		125	RJ	65	100	65	25	65	100	100	100	100	100	100	100	100	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
			RL	65	100	65	25	65	100	125	125	100	100	100	125	125	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
			NW-L 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
200		NW-LF 1600 A	65	100	65	25	65	100	125	200	100	100	100	200	200	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		RG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	65	65	50	51.3	51.3	65		
		RK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	65	65	50	51.3	51.3	65		
2000 A		100	NW-H 2000 A	65	100	65	25	65	100	100	100	100	100	100	100	36	36	36	36	36	36	36	36	36	36	36	
			RJ	65	100	65	25	65	100	100	100	100	100	100	100	100	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
		125	RL	65	100	65	25	65	100	125	125	100	100	100	125	125	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
NW-L 2000 A			65	100	65	25	65	100	125	200	100	100	100	200	200	65	100	65	65	100	125	50	65	100	200		
2500–3000 A		100	NW-LF 2000 A	65	100	65	25	65	100	125	200	100	100	100	200	200	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
			RG	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	65	65	50	51.3	51.3	65	
			RK	65	65	65	25	65	65	65	65	65	65	65	65	65	65	51.3	51.3	51.3	65	65	50	51.3	51.3	65	
4000–6000 A	100	NW-H 3000 A	65	100	65	25	65	100	100	100	100	100	100	100	65	100	65	65	100	100	50	65	100	100			
		RJ	65	100	65	25	65	100	100	100	100	100	100	100	100	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	
	200	RL	65	100	65	25	65	100	125	125	100	100	100	125	125	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	
NW-L 3000 A		65	100	65	25	65	100	125	200	100	100	100	200	200	65	100	65	65	100	125	50	65	100	200			
4000–6000 A	100	NW-H 6000 A	65	100	65	25	65	100	100	100	100	100	100	100	65	100	65	65	100	100	50	65	100	100			
	200	NW-L 6000 A	65	100	65	25	65	100	125	200	100	100	100	200	200	65	100	65	65	100	125	50	65	100	200		

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

<sup>3</sup> DJ-MC circuit breakers are rated 65 kA at 208Y/120 Vac.

<sup>4</sup> When L-frame mission critical circuit breakers are used as downstream circuit breakers, the maximum level of selective coordination is the same as standard L-frame circuit breaker.

**Table 14 – UL 480 Vac 100–150 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	ECB <sup>4</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD	BG	BJ	HD	HG	HJ	HL	HRU	
			14	18	35	65	18	25	65	18	35	65	18	35	65	100	200	
100/ 150 A		Mission Critical <sup>5</sup>	See Appendix A															
		FA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		BD	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		HD	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HDU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		BG	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		HG	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HGU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		50 NT-N/H 800/250 A	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
		BJ	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		HJ	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		65 HJU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		NT-L1 800/250 A	14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20
		NW-N 800/250 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
		HL	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HLU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		100 NT-L 800/250 A	14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20
		NT-LF 800/250 A	14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20
		NW-H 800/250 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
		150 NW-L 800/250 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
	NW-LF 800/250 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	

*Continued on next page*

**Table 14 – UL 480 Vac 100–150 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	ECB <sup>4</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD	BG	BJ	HD	HG	HJ	HL	HRU		
			14	18	35	65	18	25	65	18	35	65	18	35	65	100	200		
		Mission Critical <sup>5</sup>	See Appendix A																
250 A	18	JD	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JDU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		JDWU <sup>6</sup>	See Appendix A—Mission Critical				2.6	2.6	8	10	10	10	8	8	8	8	8	8	
		LDU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LDWU3250 <sup>6</sup>	14	18	18	18	2.6	2.6	8	18	18	18	8	8	8	8	8	8	
		JG	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	35	JGU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		JGWU <sup>6</sup>	See Appendix A—Mission Critical				2.6	2.6	8	10	10	10	8	8	8	8	8	8	
		LGU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LGWU3250 <sup>6</sup>	14	18	30	30	2.6	2.6	8	18	18	18	8	8	8	8	8	8	
	50	PG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35	
		NT-N/H 800/250 A	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50	
	250 A	65	PK	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
			JJ	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
		JJU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		JJWU <sup>6</sup>	See Appendix A—Mission Critical				2.6	2.6	8	10	10	10	8	8	8	8	8		
		LJ	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LJWU3250 <sup>6</sup>	14	18	30	30	2.6	2.6	8	18	30	30	8	8	8	8	8	8	
NT-L1 800/250 A		14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20		
NW-N 800/250 A		14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65		
PJ		14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20		
100		150	JL	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	JLU3250		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	JLWU <sup>6</sup>	See Appendix A—Mission Critical				2.6	2.6	8	10	10	10	8	8	8	8	8			
	LL	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		
	LLWU3250 <sup>6</sup>	14	18	30	30	2.6	2.6	8	18	30	30	8	8	8	8	8	8		
	NT-L 800/250 A	14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20		
	NT-LF 800/250 A	14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20		
	NW-H 800/250 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100		
	PL	14	6.3	6.3	6.3	6.3	6.3	6.3	18	35	38	18	20	20	20	20	20		
	150	NW-L 800/250 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
NW-LF 800/250 A		14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150		

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Table 14 – UL 480 Vac 100–150 A Selective Coordination (continued)

Upstream Circuit Breaker <sup>2</sup>		Downstream Circuit Breaker—Type / kAIR																
		Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	ECB <sup>4</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD	BG	BJ	HD	HG	HJ	HL	HRU	
			14	18	35	65	18	25	65	18	35	65	18	35	65	100	200	
400 A		Mission Critical <sup>5</sup>	See Appendix A															
	18	LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LDWU3400 <sup>6</sup>	14	18	18	18	4.17	4.17	18	18	18	18	18	18	18	18	18	18
	30	LA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		LA-MC <sup>4</sup>	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		Mission Critical <sup>5</sup>	See Appendix A															
		DG	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LGWU3400 <sup>6</sup>	14	18	30	30	4.17	4.17	30	18	30	30	18	30	30	30	30	30
	35	LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		LH-MC <sup>4</sup>	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		MG	14	18	35	35	18	10.8	35	18	35	35	18	35	35	35	35	35
		PG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
	50	NT-N/H 1200 A	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
		PK	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
		DJ	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LJWU3400 <sup>6</sup>	14	18	30	30	4.17	4.17	30	18	30	30	18	30	30	30	30	30
	65	MJ	14	18	35	65	18	10.8	65	18	35	65	18	35	65	65	65	65
		NT-L1 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9
	NW-N 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
	PJ	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	
	LLWU3400 <sup>6</sup>	14	18	30	30	4.17	4.17	30	18	30	30	18	30	30	30	30	30	
100	NT-L 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	NT-LF 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	PL	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
150	NW-L 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
	NW-LF 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	

Continued on next page

**Table 14 – UL 480 Vac 100–150 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	ECB <sup>4</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD	BG	BJ	HD	HG	HJ	HL	HRU	
			14	18	35	65	18	25	65	18	35	65	18	35	65	100	200	
600 A		Mission Critical <sup>5</sup>	See Appendix A															
	18	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LDWU3600 <sup>6</sup>	14	18	18	18	5.49	5.49	18	18	18	18	18	18	18	18	18	18
	35	DG	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LGWU3600 <sup>6</sup>	14	18	30	30	5.49	5.49	30	18	30	30	18	30	30	30	30	30
		MG	14	18	35	35	18	10.8	35	18	35	35	18	35	35	35	35	35
		PG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
		RG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
	50	NT-N/H 1200 A	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
		PK	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
		DJ	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LJWU3600 <sup>6</sup>	14	18	30	30	5.49	5.49	30	18	30	30	18	30	30	30	30	30
		MJ	14	18	35	65	18	10.8	65	18	35	65	18	35	65	65	65	65
		NT-L1 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9
		NW-N 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
		PJ	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9
		RJ	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
	RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
600 A	LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
	LLWU3600 <sup>6</sup>	14	18	30	30	5.49	5.49	30	18	30	30	18	30	30	30	30	30	
	NT-L 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	NT-LF 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	PL	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	NW-L 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	150	
	NW-LF 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	150	
	800 A	MG	14	18	35	35	18	10.8	35	18	35	35	18	35	35	35	35	35
PG		14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35	
RG		14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35	
NT-H 1200 A		14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50	
PK		14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50	
MJ		14	18	35	65	18	10.8	65	18	35	65	18	35	65	65	65	65	
NT-L1 1200 A		14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
NW-N 2000 A		14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
PJ		14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
RJ		14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65		
100	NT-L 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	NT-LF 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	PL	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	NW-L 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	150	
150	NW-LF 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	150	

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**Table 14 – UL 480 Vac 100–150 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	ECB <sup>4</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD	BG	BJ	HD	HG	HJ	HL	HRU		
			14	18	35	65	18	25	65	18	35	65	18	35	65	100	200		
1000 A	35	PG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35	
		RG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35	
	50	NT-N/H 1200 A	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50	
		PK	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50	
	65	NT-L1 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		NW-N 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		PJ	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		RJ	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		NT-L 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
1000 A	100	NT-LF 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	150	PL	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	150	NW-L 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
		NW-LF 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
	1200 A	35	PG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
			RG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
		50	NT-N/H 1200 A	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
			PK	14	18	35	50	18	25	50	18	35	50	18	35	50	50	50	50
65		NT-L1 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		NW-N 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		PJ	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		RJ	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		NT-L 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
1200 A	100	NT-LF 1200 A	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
		NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
	150	NW-H 3000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
		PL	14	18	35	9	18	9	9	18	35	65	18	35	45.9	45.9	45.9	45.9	
	150	RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
		NW-L 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
	150	NW-L 3000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
		NW-LF 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
	1600 A	35	RG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
			NW-N 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
65		RJ	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
		RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65	
100		NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
		NW-H 3000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
150		RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100	
		NW-L 1600 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
150		NW-L 3000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	
		NW-LF 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150	

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**Table 14 – UL 480 Vac 100–150 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	ECB <sup>4</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD	BG	BJ	HD	HG	HJ	HL	HRU	
			14	18	35	65	18	25	65	18	35	65	18	35	65	100	200	
2000 A	35	RG	14	18	35	35	18	25	35	18	35	35	18	35	35	35	35	35
		NW-N 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
	65	RJ	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
		RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
	100	NW-H 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
		NW-H 3000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
		NW-H 6000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
		RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
	150	NW-L 2000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
		NW-L 3000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
		NW-L 6000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
		NW-LF 2000	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
2500–3000 A	35	RG	14	18	35	35	18	25	35	18	35	18	18	35	35	35	35	35
		RJ	14	18	35	65	18	25	65	18	18	35	18	35	65	65	65	65
	65	RK	14	18	35	65	18	25	65	18	35	65	18	35	65	65	65	65
		NW-H 3000A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
	100	NW-H 6000A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
		RL	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	100
		NW-L 3000A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
		NW-L 6000A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	150
4000–6000 A	100	NW-H 6000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	100	
	150	NW-L 6000 A	14	18	35	65	18	25	65	18	35	65	18	35	65	100	150	

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

<sup>3</sup> Type H and J circuit breakers with the “U” character in the third position are equipped with Micrologic Electronic Trip Units. When used as upstream circuit breakers, they provide different selectivity levels (usually higher) than their thermal-magnetic equivalents. See page 5 for additional information. When used as downstream circuit breakers, there is no difference in selectivity so the standard Types include all trip unit options.

<sup>4</sup> Rated 480Y/277 Vac. (3-pole 30 A ECB circuit breaker is rated 42 kA at 240 Vac)

<sup>5</sup> See Mission Critical Circuit Breakers in Appendix A for additional information.

<sup>6</sup> Mission critical circuit breakers are rated at 480Y/277 Vac.

**Table 15 – UL 480 Vac 250 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD	JG	JJ	JL	JR	KI	LD	LG	LJ	LL	LR	LE	LX	PG	PJ	PL					
			18	35	65	100	200	200	18	35	65	100	200	65	65	35	65	100					
100/ 150 A	18	FA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3				
		BD	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25				
		HD	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3			
		H DU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94			
	35	BG	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25			
		HG	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3			
		H GU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94			
	50	NT-N/H 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6			
		BJ	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25			
		HJ	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3			
		65	HJU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94		
			NT-L1 800/250 A	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3		
		NW-N 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6		
		HL	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3		
		100	H LU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
NT-L 800/250 A			6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3		
		NT-LF 800/250 A	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3		
		NW-H 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6		
	150	NW-L 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	6.3	6.3	6.3	6.3	6.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6		
NW-LF 800/250 A		18	21.6	21.6	21.6	21.6	21.6	21.6	6.3	6.3	6.3	6.3	6.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6			
250 A	18	JD	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5			
		JDU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		
		LD	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		
		LDWU3250 <sup>5</sup>	8	8	8	8	8	8	8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		
	35	JG	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
		JGU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LG	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LGWU3250 <sup>5</sup>	8	8	8	8	8	8	8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	50	PG	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		NT-N/H 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
	65	PK	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		JJ	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JJU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LJ	LJ	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
			LJWU3250 <sup>5</sup>	8	8	8	8	8	8	8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
100		NT-L1 800/250 A	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
		NW-N 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	2.5	2.5	2.5	2.5	2.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
150		PJ	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
		JL	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JLU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LL	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	LLWU3250 <sup>5</sup>	8	8	8	8	8	8	8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		
	NW-L 800/250 A	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
150	NT-LF 800/250 A	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3		
	NW-H 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
150	PL	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3		
	NW-L 800/250 A	18	21.6	21.6	21.6	21.6	21.6	21.6	6.3	6.3	6.3	6.3	6.3	6.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
		NW-LF 800/250 A	18	21.6	21.6	21.6	21.6	21.6	6.3	6.3	6.3	6.3	6.3	6.3	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	

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**Table 15 – UL 480 Vac 250 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR															
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	Maximum Level of Selective Coordination Shown in kA															
			JD	JG	JJ	JL	JR	KI	LD	LG	LJ	LL	LR	LE	LX	PG	PJ	PL
			18	35	65	100	200	200	18	35	65	100	200	65	65	35	65	100
18		LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LDWU3400 <sup>5</sup>	18	18	18	18	18	18	18	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
30		LA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		LA-MC <sup>5</sup>	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
400 A		DG	3.1	3.1	3.1	3.1	3.1	3.1	1.3	1.3	1.3	1.3	1.3	3.1	3.1	3.1	3.1	3.1
		LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LGWU3400 <sup>5</sup>	18	30	30	30	30	30	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
35		LH-MC <sup>5</sup>	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		MG	18	35	35	35	35	35	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	PG	18	35	35	35	35	35	18	21.6	21.6	21.6	21.6	35	35	21.6	21.6	21.6	
50		NT-N/H 1200 A	18	35	50	50	50	50	18	21.6	21.6	21.6	21.6	50	50	35	36	36
		PK	18	35	50	50	50	50	18	21.6	21.6	21.6	21.6	50	50	21.6	21.6	21.6
		DJ	3.1	3.1	3.1	3.1	3.1	3.1	1.3	1.3	1.3	1.3	1.3	3.1	3.1	3.1	3.1	3.1
		LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
65		LJWU3400 <sup>5</sup>	18	30	30	30	30	30	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		MJ	18	35	65	65	65	49.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
400 A		NT-L1 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
		NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	35	36	36
		PJ	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
		LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
100		LLWU3400 <sup>5</sup>	18	30	30	30	30	30	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		NT-L 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
	NT-LF 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
	NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	36	36	
	PL	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
150		NW-L 1600 A	18	35	65	100	150	150	18	35	65	100	150	65	65	31.5	31.5	31.5
		NW-LF 1600 A	18	35	65	100	150	150	18	35	65	100	109	65	65	21.6	21.6	21.6

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**Table 15 – UL 480 Vac 250 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR															
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	Maximum Level of Selective Coordination Shown in kA															
			JD	JG	JJ	JL	JR	KI	LD	LG	LJ	LL	LR	LE	LX	PG	PJ	PL
			18	35	65	100	200	200	18	35	65	100	200	65	65	35	65	100
	18	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LDWU3600 <sup>5</sup>	18	18	18	18	18	18	18	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	35	DG	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		LGWU3600 <sup>5</sup>	18	30	30	30	30	30	30	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		MG	18	35	35	35	35	35	35	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PG	18	35	35	35	35	35	35	18	35	35	35	35	35	35	21.6	21.6
	50	RG	18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35
		NT-N/H 1200 A	18	35	50	50	50	50	50	18	35	50	50	50	50	50	35	36
600 A	65	PK	18	35	50	50	50	50	18	35	50	50	50	50	50	21.6	21.6	21.6
		DJ	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	LJWU3600 <sup>5</sup>	18	30	30	30	30	30	30	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
	MJ	18	35	65	65	65	49.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
	NT-L1 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	9
	NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	65	35	36	36
	PJ	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	9
	RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	65	35	40.8	40.8
	RK	18	35	65	65	65	65	18	35	65	65	65	65	65	65	35	65	51.3
	LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	LLWU3600 <sup>5</sup>	18	30	30	30	30	30	30	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	100	NT-L 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
		NT-LF 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
		NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	100	65	65	35	36
PL		18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	9
RL		18	35	65	100	100	100	18	35	65	100	100	100	65	65	35	40.8	40.8
150	NW-L 1600 A	18	35	65	100	150	150	18	35	65	100	150	150	65	65	31.5	31.5	31.5
	NW-LF 1600 A	18	35	65	100	150	150	18	35	65	100	109	109	65	65	21.6	21.6	21.6
800 A	35	MG	18	35	35	35	35	35	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PG	18	35	35	35	35	35	18	35	35	35	35	35	35	21.6	21.6	21.6
		RG	18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35
	50	NT-H 1200 A	18	35	50	50	50	50	18	35	50	50	50	50	50	35	36	36
		PK	18	35	50	50	50	50	18	35	50	50	50	50	50	21.6	21.6	21.6
	65	MJ	18	35	65	65	65	49.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		NT-L1 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
		NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	35	36	36
		PJ	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9
		RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	35	40.8	40.8
RK	18	35	65	65	65	65	18	35	65	65	65	65	65	35	65	51.3		
100	NT-L 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
	NT-LF 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
	NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	100	65	65	35	36	36
	PL	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
	RL	18	35	65	100	100	100	18	35	65	100	100	100	65	65	35	40.8	40.8
	NW-L 1600 A	18	35	65	100	150	150	18	35	65	100	150	150	65	65	31.5	31.5	31.5
150	NW-LF 1600 A	18	35	65	100	150	150	18	35	65	100	109	109	65	65	21.6	21.6	21.6

*Continued on next page*

**Table 15 – UL 480 Vac 250 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD	JG	JJ	JL	JR	KI	LD	LG	LJ	LL	LR	LE	LX	PG	PJ	PL	
			18	35	65	100	200	200	18	35	65	100	200	65	65	35	65	100	
1000 A	35	PG	18	35	35	35	35	35	18	35	35	35	35	35	35	21.6	21.6	21.6	
		RG	18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35	
	50	NT-N/H 1200 A	18	35	50	50	50	50	18	35	50	50	50	50	50	50	35	36	36
		PK	18	35	50	50	50	50	18	35	50	50	50	50	50	21.6	21.6	21.6	
	65	NT-L1 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	9
		NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	35	36	36	
		PJ	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
		RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	35	40.8	40.8	
		RK	18	35	65	65	65	65	18	35	65	65	65	65	65	35	65	51.3	
		NT-L 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
	100	NT-LF 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
		NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	36	36	
		PL	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
		RL	18	35	65	100	100	100	18	35	65	100	100	65	65	35	40.8	40.8	
	150	NW-L 1600 A	18	35	65	100	150	150	18	35	65	100	150	65	65	31.5	31.5	31.5	
		NW-LF 1600 A	18	35	65	100	150	150	18	35	65	100	109	65	65	21.6	21.6	21.6	
	1200 A	35	PG	18	35	35	35	35	35	18	35	35	35	35	35	35	21.6	21.6	21.6
			RG	18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35
50		NT-N/H 1200 A	18	35	50	50	50	50	18	35	50	50	50	50	50	35	36	36	
		PK	18	35	50	50	50	50	18	35	50	50	50	50	50	21.6	21.6	21.6	
65		NT-L1 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
		NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	35	36	36	
		PJ	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
		RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	35	40.8	40.8	
		RK	18	35	65	65	65	65	18	35	65	65	65	65	65	35	65	51.3	
		NT-L 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
100		NT-LF 1200 A	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
		NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	36	36	
		NW-H 3000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	65	100	
		PL	18	35	36.3	36.3	36.3	32.8	9	9	9	9	9	9	9	9	9	9	
150		RL	18	35	65	100	100	100	18	35	65	100	100	65	65	35	40.8	40.8	
		NW-L 1600 A	18	35	65	100	150	150	18	35	65	100	150	65	65	31.5	31.5	31.5	
		NW-L 3000 A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	
1600 A		35	NW-LF 2000 A	18	35	65	100	150	150	18	35	65	100	109	65	65	21.6	21.6	21.6
	RG		18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35	
	65	NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	35	36	36	
		RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	35	40.8	40.8	
	100	RK	18	35	65	65	65	65	18	35	65	65	65	65	65	35	65	51.3	
		NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	36	36	
NW-H 3000 A		18	35	65	100	100	100	18	35	65	100	100	65	65	35	65	100		
RL		18	35	65	100	100	100	18	35	65	100	100	65	65	35	40.8	40.8		
150	NW-L 1600 A	18	35	65	100	150	150	18	35	65	100	150	65	65	31.5	31.5	31.5		
	NW-L 3000 A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100		
1600 A	NW-LF 2000 A	18	35	65	100	150	150	18	35	65	100	109	65	65	21.6	21.6	21.6		

Continued on next page

**Table 15 – UL 480 Vac 250 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD	JG	JJ	JL	JR	KI	LD	LG	LJ	LL	LR	LE	LX	PG	PJ	PL	
			18	35	65	100	200	200	18	35	65	100	200	65	65	35	65	100	
2000 A	35	RG	18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35	
		NW-N 2000 A	18	35	65	65	65	65	18	35	65	65	65	65	65	65	35	36	36
	65	RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	65	35	40.8	40.8
		RK	18	35	65	65	65	65	18	35	65	65	65	65	65	35	65	51.3	
	100	NW-H 2000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	36	36	
		NW-H 3000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	65	100	
	150	NW-H 6000 A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	65	100	
		RL	18	35	65	100	100	100	18	35	65	100	100	65	65	35	40.8	40.8	
		NW-L 2000 A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	
		NW-L 3000 A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	
		NW-L 6000 A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	
		NW-LF 2000	18	35	65	100	150	150	18	35	65	100	150	65	65	21.6	21.6	21.6	
2500–3000 A	35	RG	18	35	35	35	35	35	18	35	35	35	35	35	35	35	35	35	
		RJ	18	35	65	65	65	65	18	35	65	65	65	65	65	35	40.8	40.8	
	65	RK	18	35	65	65	65	65	18	35	65	65	65	65	65	35	65	51.3	
		NW-H 3000A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	65	100	
	100	NW-H 6000A	18	35	65	100	100	100	18	35	65	100	100	65	65	35	65	100	
		RL	18	35	65	100	100	100	18	35	65	100	100	65	65	35	40.8	40.8	
	150	NW-L 3000A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	
		NW-L 6000A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	
4000–6000 A	100	NW-H 6000 A	18	35	65	100	150	100	18	35	65	100	150	65	65	35	65	100	
	150	NW-L 6000 A	18	35	65	100	150	150	18	35	65	100	150	65	65	35	65	100	

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

<sup>3</sup> Type H and J circuit breakers with the "U" character in the third position are equipped with Micrologic Electronic Trip Units. When used as upstream circuit breakers, they provide different selectivity levels (usually higher) than their thermal-magnetic equivalents. See page 5 for additional information. When used as downstream circuit breakers, there is no difference in selectivity so the standard Types include all trip unit options.

When J- and L-frame mission critical circuit breakers are used as downstream circuit breakers, the maximum level of selective coordination is the same as standard J- and L-frame circuit breaker.

<sup>4</sup> See Mission Critical Circuit Breakers in Appendix A for additional information.

<sup>5</sup> Mission critical circuit breakers are rated at 480Y/277 Vac.

**Table 16 – UL 480 Vac 400 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	LA	LA-MC	LH	LH-MC	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	PG	PJ	PL		
			30	30	35	35	35	65	18	35	65	100	200	65	65	65	200	200	35	65	100		
600 A	18	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		DG	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	35	MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PG	21.6	21.6	21.6	21.6	35	35	18	35	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6	21.6
		RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	50	NT-N/H 1200 A	30	30	35	35	35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	36	36
		PK	21.6	21.6	21.6	21.6	35	50	18	35	50	50	50	50	50	50	50	50	50	21.6	21.6	21.6	21.6
		DJ	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	65	LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		NW-N 2000 A	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	36	36	36
		PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	40.8	40.8
		RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	65	65	51.3
		LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	100	NW-H 2000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	36	36	36	
		PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	150	RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8	40.8	
		NW-L 1600 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5	31.5	
	150	NW-LF 1600 A	21.6	21.6	21.6	21.6	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6	21.6	
MG		10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	16.6	16.6	10.8	10.8	10.8	10.8	
800 A	35	PG	21.6	21.6	21.6	21.6	35	35	18	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6	21.6	
		RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35	
		NT-N 1200 A	30	30	35	35	35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	36	36
	50	PK	21.6	21.6	21.6	21.6	35	50	18	35	50	50	50	50	50	50	50	50	50	21.6	21.6	21.6	21.6
		MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	16.6	16.6	10.8	10.8	10.8	10.8
		NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	65	NW-N 2000 A	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	35	36	36	36	
		PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	35	40.8	40.8	40.8	
		RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	35	65	65	51.3	
	100	NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		NW-H 2000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	36	36	36	
		PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	150	RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8	40.8	
		NW-L 1600 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5	31.5	
	150	NW-LF 1600 A	21.6	21.6	21.6	21.6	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6	21.6	

Continued on next page

**Table 16 – UL 480 Vac 400 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	LA	LA-MC	LH	LH-MC	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	PG	PJ	PL		
			30	30	35	35	35	65	18	35	65	100	200	65	65	65	200	200	35	65	100		
1000 A	35	PG	21.6	21.6	21.6	21.6	35	35	18	35	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6	
		RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35	35
	50	NT-N/H 1200 A	30	30	35	35	35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	36	
		PK	21.6	21.6	21.6	21.6	35	50	18	35	50	50	50	50	50	50	50	50	50	21.6	21.6	21.6	
	65	NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NW-N 2000 A	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	36	36	
		PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	40.8	
	100	RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	65	51.3	
		NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NW-H 2000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	36	36		
	150	PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8		
		NW-L 1600 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5		
		NW-LF 1600 A	21.6	21.6	21.6	21.6	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6		
	1200 A	35	PG	21.6	21.6	21.6	21.6	35	35	18	35	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6
			RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35
		50	NT-N/H 1200 A	30	30	35	35	35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	36
			PK	21.6	21.6	21.6	21.6	35	50	18	35	50	50	50	50	50	50	50	50	50	21.6	21.6	21.6
65		NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NW-N 2000 A	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	36	36	
		PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	40.8	
100		RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	65	51.3	
		NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		NW-H 2000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	36	36		
150		NW-H 3000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100		
		PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8		
		NW-L 1600 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5		
1600 A		NW-L 3000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100		
		NW-LF 2000 A	21.6	21.6	21.6	21.6	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6		
		35	RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35
			NW-N 2000 A	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	36	36
65	RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	40.8		
	RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	65	51.3		
1600 A	100	NW-H 2000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	36	36		
		NW-H 3000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100		
	RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8			
	150	NW-L 1600 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5		
		NW-L 3000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100		
	NW-LF 2000 A	21.6	21.6	21.6	21.6	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6			

Continued on next page

**Table 16 – UL 480 Vac 400 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																			
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	LA	LA-MC	LH	LH-MC	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	PG	PJ	PL	
			30	30	35	35	35	65	18	35	65	100	200	65	65	65	200	200	35	65	100	
2000 A	35	RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35
		NW-N 2000 A	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	36	36
	65	RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	40.8
		RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	65	35	65	51.3
	100	NW-H 2000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	36	36	
		NW-H 3000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100	
		NW-H 6000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100	
		RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8	
	150	NW-L 2000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100	
		NW-L 3000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100	
		NW-L 6000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100	
		NW-LF 2000 A	21.6	21.6	21.6	21.6	35	65	18	35	65	100	150	65	65	65	64.2	64.2	21.6	21.6	21.6	
2500–3000 A	35	RG	30	30	35	35	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35
		RJ	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	35	40.8	40.8	
	65	RK	30	30	35	35	35	65	18	35	65	65	65	65	65	65	65	65	35	65	51.3	
		NW-H 3000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100	
	100	NW-H 6000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100	
		RL	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	40.8	
	150	NW-L 3000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100	
		NW-L 6000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100	
4000–6000 A	100	NW-H 6000 A	30	30	35	35	35	65	18	35	65	100	100	65	65	65	100	100	35	65	100	
	150	NW-L 6000 A	30	30	35	35	35	65	18	35	65	100	150	65	65	65	150	150	35	65	100	

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.  
<sup>2</sup> Number after NW-x indicates frame size.  
<sup>3</sup> When L-frame mission critical circuit breakers are used as downstream circuit breakers, the maximum level of selective coordination is the same as standard L-frame circuit breaker.

**Table 17 – UL 480 Vac 600–1200 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>		Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																							
Max. Cont. Current Rating	Type <sup>3</sup>	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	MG	MJ	PG	PJ	PL	RG	RJ	RL	NT N/H	NT L1	NT L	NT LF
		kAIR <sup>1</sup>	35	65	18	35	65	100	200	65	65	65	200	200	35	65	35	65	100	35	65	100	50	65	100
800 A	MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	35 PG	35	35	18	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
	RG	35	35	18	35	35	35	35	35	35	35	35	35	35	51.3	35	51.3	51.3	35	51.3	51.3	50	51.3	51.3	51.3
	50 NT-N/H 1200 A	35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	35	36	36	35	36	36	36	36	36
	PK	35	50	18	35	50	50	50	50	50	50	50	50	21.6	21.6	35	21.6	21.6	35	21.6	21.6	21.6	21.6	21.6	21.6
	65 MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	NW-N 2000 A	35	65	18	35	65	65	65	65	65	65	65	65	65	35	36	35	36	36	35	36	36	36	36	36
	PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	RJ	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	35	40.8	40.8	35	40.8	40.8	40.8	40.8	40.8
	RK	35	65	18	35	65	65	65	65	65	65	65	65	65	35	51.3	35	51.3	51.3	35	51.3	51.3	50	51.3	51.3
	100 NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	NW-H 2000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	36	35	36	36	35	36	36	36	36	36	36
	PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	RL	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	35	40.8	40.8	35	40.8	40.8	40.8	40.8	40.8	40.8
	150 NW-L 1600 A	35	65	18	35	65	100	150	65	65	65	150	150	35	31.5	31.5	31.5	31.5	35	31.5	31.5	31.5	31.5	31.5	31.5
	NW-LF 1600 A	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
1000 A	35 PG	35	35	18	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
	RG	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3	
	50 NT-N/H 1200 A	35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	35	36	36	35	36	36	36	36	
	PK	35	50	18	35	50	50	50	50	50	50	50	50	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
	65 NT-L1 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	NW-N 2000 A	35	65	18	35	65	65	65	65	65	65	65	65	35	36	35	36	36	35	36	36	36	36	36	
	PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	RJ	35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	35	40.8	40.8	35	40.8	40.8	40.8	40.8	
	RK	35	65	18	35	65	65	65	65	65	65	65	65	65	35	51.3	35	51.3	51.3	35	51.3	51.3	50	51.3	51.3
	100 NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	NW-H 2000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	36	35	36	36	35	36	36	36	36	36	
	PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	RL	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	35	40.8	40.8	35	40.8	40.8	40.8	40.8	40.8	
	150 NW-L 1600 A	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5	31.5	31.5	35	31.5	31.5	31.5	31.5	31.5	
	NW-LF 1600 A	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
	1200 A	35 PG	35	35	18	35	35	35	35	35	35	35	35	35	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
		RG	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	51.3	51.3	51.3	51.3	51.3	50	51.3	51.3
50 NT-N/H 1200 A		35	50	18	35	50	50	50	50	50	50	50	50	50	35	36	35	36	36	35	36	36	36	36	
PK		35	50	18	35	50	50	50	50	50	50	50	50	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
65 NT-L1 1200 A		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
NW-N 2000 A		35	65	18	35	65	65	65	65	65	65	65	65	35	36	35	36	36	35	36	36	36	36	36	
PJ		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
RJ		35	65	18	35	65	65	65	65	65	65	65	65	65	35	40.8	35	40.8	40.8	35	40.8	40.8	40.8	40.8	
RK		35	65	18	35	65	65	65	65	65	65	65	65	65	35	51.3	35	51.3	51.3	35	51.3	51.3	50	51.3	51.3

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**Table 17 – UL 480 Vac 600–1200 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>		Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																								
Max. Cont. Current Rating	Type <sup>3</sup>																									
		kAIR <sup>1</sup>	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	MG	MJ	PG	PJ	PL	RG	RJ	RL	NT N/H	NT L1	NT L	NT LF
		35	65	18	35	65	100	200	65	65	65	200	200	35	65	35	65	100	35	65	100	50	65	100	100	
1200 A	NT-L 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	NT-LF 1200 A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	100	NW-H 2000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	36	35	36	36	36	35	36	36	36	36	36
		NW-H 3000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	58.5	50	58.5	100	100
		PL	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		RL	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	35	40.8	40.8	35	40.8	40.8	40.8	40.8	40.8	40.8
	150	NW-L 1600 A	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L 3000A	35	65	18	35	65	100	150	65	65	65	150	150	35	65	35	65	100	35	65	58.5	50	58.5	100	100
	NW-LF 2000 A	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
1600 A	35	RG	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
	65	NW-N 2000 A	35	65	18	35	65	65	65	65	65	65	65	65	35	36	35	36	36	36	35	36	36	36	36	36
		RJ	35	65	18	35	65	65	65	65	65	65	65	65	35	40.8	35	40.8	40.8	35	40.8	40.8	50	40.8	40.8	40.8
	100	RK	35	65	18	35	65	65	65	65	65	65	65	65	35	51.3	35	65	51.3	35	51.3	51.3	50	51.3	65	65
		NW-H 2000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	36	35	36	36	35	36	36	36	36	36	36
	150	NW-H 3000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	58.5	50	58.5	100	100
		RL	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	35	40.8	40.8	35	40.8	40.8	50	40.8	40.8	40.8
		NW-L 1600 A	35	65	18	35	65	100	150	65	65	65	150	150	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
	NW-L 3000A	35	65	18	35	65	100	150	65	65	65	150	150	35	65	35	65	100	35	65	58.5	50	58.5	100	100	
	NW-LF 2000 A	35	65	18	35	65	100	109	65	65	65	64.2	64.2	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
2000 A	35	RG	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
	65	NW-N 2000 A	35	65	18	35	65	65	65	65	65	65	65	65	35	36	35	36	36	36	35	36	36	36	36	36
		RJ	35	65	18	35	65	65	65	65	65	65	65	65	35	40.8	35	40.8	40.8	35	40.8	40.8	50	40.8	40.8	40.8
	100	RK	35	65	18	35	65	65	65	65	65	65	65	65	35	51.3	35	65	51.3	35	51.3	51.3	50	51.3	65	65
		NW-H 2000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	36	35	36	36	35	36	36	36	36	36	36
	150	NW-H 3000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	58.5	50	58.5	100	100
		NW-H 6000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	67.5	50	65	100	100
		RL	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	35	40.8	40.8	35	40.8	40.8	50	40.8	40.8	40.8
	NW-L 2000 A	35	65	18	35	65	100	150	65	65	65	150	150	35	65	35	65	100	35	65	58.5	50	58.5	100	100	
2500–3000 A	35	RG	35	35	18	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
	65	RJ	35	65	18	35	65	65	65	65	65	65	65	65	35	40.8	35	40.8	40.8	35	40.8	40.8	50	40.8	40.8	40.8
		RK	35	65	18	35	65	65	65	65	65	65	65	65	35	51.3	35	65	51.3	35	51.3	51.3	50	51.3	65	65
	100	NW-H 3000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	58.5	50	58.5	100	100
		NW-H 6000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	67.5	50	65	100	100
	150	RL	35	65	18	35	65	100	100	65	65	65	100	100	35	40.8	35	40.8	40.8	35	40.8	40.8	50	40.8	40.8	40.8
		NW-L 3000 A	35	65	18	35	65	100	150	65	65	65	150	150	35	65	35	65	100	35	65	58.5	50	58.5	100	100
		NW-L 6000 A	35	65	18	35	65	100	150	65	65	65	150	150	35	65	35	65	100	35	65	67.5	50	65	100	100
4000–6000 A	100	NW-H 6000 A	35	65	18	35	65	100	100	65	65	65	100	100	35	65	35	65	100	35	65	67.5	50	65	100	100
	150	NW-L 6000 A	35	65	18	35	65	100	150	65	65	65	150	150	35	65	35	65	100	35	65	67.5	50	65	100	100

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.  
<sup>2</sup> Number after NW-x indicates frame size.  
<sup>3</sup> When L-frame mission critical circuit breakers are used as downstream circuit breakers, the maximum level of selective coordination is the same as standard L-frame circuit breaker.

Table 18 – UL 600 Vac 100–150 A Selective Coordination

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	Type <sup>3</sup>	kAIR <sup>1</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD <sup>4</sup>	BG <sup>4</sup>	BJ <sup>4</sup>	HD	HG	HJ	HL	HRU	
			14	18	25	14	18	25	14	18	25	14	18	25	50	100	
100/150 A	FA		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	BD		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	HD		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	HDU3150		1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
	BG		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	FH		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	HG		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	HGU3150		1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
	BJ		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	HJ		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
	HJU3150		1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
	35	NT-N 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	35	35
	50	HL		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HLU3150		1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		NT-H 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	50
		NW-N 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	50
	85	NW-H 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	85
	100	NW-L 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	100
		NW-LF 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	100
	250 A	JD		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
JDU3250			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
LD			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
JG			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
JGU3250			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
LJ			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
PG			14	18	18	14	18	18	14	18	18	14	18	18	18	18	
JJ			2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
JJU3250			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
LJ			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
PJ			14	6.3	6.3	6.3	6.3	6.3	14	18	25	14	14.9	14.9	14.9	19.3	
35		NT-N 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	35	35
50		JL		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JLU3250		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LL		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		NT-H 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	50
		NW-N 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	50
		PK		14	18	25	14	18	25	14	18	25	14	18	25	50	50
85		NW-H 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	85
100		NW-L 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	100
	NW-LF 800/250 A		14	18	25	14	18	25	14	18	25	14	18	25	50	100	

Continued on next page

**Table 18 – UL 600 Vac 100–150 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA															
Max. Cont. Current Rating	Type <sup>3</sup>	kAIR <sup>1</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD <sup>4</sup>	BG <sup>4</sup>	BJ <sup>4</sup>	HD	HG	HJ	HL	HRU		
			14	18	25	14	18	25	14	18	25	14	18	25	14	18	25	50
400 A	14	LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	
		DG	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
	18	LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		MG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18	18
		PG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18	18
	25	DJ	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	35	MJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	25	25
		PJ	14	18	25	14	9	25	14	18	25	14	18	25	25	25	25	25
		NT-N 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	35	35	35	35
	400 A	50	LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		NT-H 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50	
		PK	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50	
85		NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85	
100		NW-L 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100	
		NW-LF 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100	
600 A	14	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		DG	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
	18	LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		MG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18	18
		PG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18	18
	25	RG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18	18
		DJ	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	35	MJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	25	25
		PJ	14	18	25	14	9	25	14	18	25	14	18	25	25	25	25	25
		NT-N 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	35	35	35	35
	50	LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
			NT-H 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
			NW-N 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
			PK	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
			RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
			RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
	65	RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	65	
	85	NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85	85
		100	NW-L 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
			NW-LF 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100

*Continued on next page*

**Table 18 – UL 600 Vac 100–150 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	Type <sup>3</sup>	kAIR <sup>1</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD <sup>4</sup>	BG <sup>4</sup>	BJ <sup>4</sup>	HD	HG	HJ	HL	HRU	
			14	18	25	14	18	25	14	18	25	14	18	25	14	18	25
800 A	18	MG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18
		PG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18
		RG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18
	25	MJ	14	18	25	14	14	25	14	18	25	14	18	25	25	25	25
		PJ	14	18	25	14	9	25	14	18	25	14	18	25	25	25	25
	35	50	NT-N 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	35	35
			NT-H 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			NW-N 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			PK	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50
	65	RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	
	85	NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	
	100	NW-L 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
		NW-LF 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
	1000 A	18	PG	14	18	18	14	18	18	14	18	18	14	18	18	18	18
			RG	14	18	18	14	18	18	14	18	18	14	18	18	18	18
25		PJ	14	18	25	14	9	25	14	18	25	14	18	25	25	25	
		RJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	
35		50	NT-N 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	35	35
			NT-H 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			NW-N 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			PK	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50
65		RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	
85		NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	
		NW-H 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	
100		NW-L 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
		NW-L 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
		NW-LF 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
1200 A		18	PG	14	18	18	14	18	18	14	18	18	14	18	18	18	18
	RG		14	18	18	14	18	18	14	18	18	14	18	18	18	18	
	25	PJ	14	18	25	14	9	25	14	18	25	14	18	25	25	25	
		RJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	
	35	50	NT-N 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	35	35
			NT-H 1200 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			NW-N 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			PK	14	18	25	14	18	25	14	18	25	14	18	25	50	50
			RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50
	65	RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	
	85	NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	
		NW-H 3000A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	
	100	NW-L 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
		NW-L 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	
		NW-LF 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	

*Continued on next page*

**Table 18 – UL 600 Vac 100–150 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	Type <sup>3</sup>	kAIR <sup>1</sup>	EDB <sup>4</sup>	EGB <sup>4</sup>	EJB <sup>4</sup>	FA	FH	FJ <sup>4</sup>	BD <sup>4</sup>	BG <sup>4</sup>	BJ <sup>4</sup>	HD	HG	HJ	HL	HRU	
			14	18	25	14	18	25	14	18	25	14	18	25	14	18	25
1600 A	18	RG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18
	25	RJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	25
	50	NW-N 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
		RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
	65	RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	65
	85	NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
		NW-H 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
	100	NW-L 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
		NW-L 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
	NW-LF 1600 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100	
2000 A	18	RG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18
	25	RJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	25
	50	NW-N 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
		RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
	65	RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	65
	85	NW-H 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
		NW-H 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
	100	NW-L 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
		NW-L 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
	NW-LF 2000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100	
2500 A	18	RG	14	18	18	14	18	18	14	18	18	14	18	18	18	18	18
	25	RJ	14	18	25	14	18	25	14	18	25	14	18	25	25	25	25
	50	RL	14	18	25	14	18	25	14	18	25	14	18	25	50	50	50
	65	RK	14	18	25	14	18	25	14	18	25	14	18	25	50	65	65
	85	NW-H 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
	100	NW-L 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
3000 A	85	NW-H 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
	100	NW-L 3000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100
4000–6000 A	85	NW-H 6000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	85	85
	100	NW-L 6000 A	14	18	25	14	18	25	14	18	25	14	18	25	50	100	100

- <sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.
- <sup>2</sup> Number after NW-x indicates frame size.
- <sup>3</sup> Type H and J circuit breakers with the “U” character in the third position are equipped with Micrologic Electronic Trip Units. When used as upstream circuit breakers, they provide different selectivity levels (usually higher) than their thermal-magnetic equivalents. See page 5 for additional information. When used as downstream circuit breakers, there is no difference in selectivity so the standard Types include all trip unit options.
- <sup>4</sup> Rated 600Y/347 Vac

Table 19 – UL 600 Vac 250 A Selective Coordination

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA													
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD	JG	LD	LG	LJ	LL	LR	PG	JJ	PJ	LE	LX	JL	JR
			14	18	14	18	25	50	100	18	25	25	35	35	50	100
100/150 A	14	FA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HD	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HDU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	18	FH	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HG	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HGU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	25	HJ	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		HJU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
	35	NT-N 800/250 A	14	18	14	18	21.6	21.6	21.6	18	18	21.6	21.6	21.6	21.6	21.6
		HL	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	50	HLU3150	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
		NT-H 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
		NW-N 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
	85	NW-H 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
		NW-L 800/250 A	14	18	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
	100	NW-LF 800/250 A	14	18	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
			14	18	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
	250 A	14	JD	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
JDU3250			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
LD			2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
18		JG	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JGU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LJ	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
25		PG	14	18	14	18	18	18	18	18	18	18	18	18	18	
		JJ	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JJU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
35		LJ	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		PJ	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
		NT-N 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
50		JL	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
		JLU3250	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
		LL	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
85		NT-H 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
		NW-N 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
		PK	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
100		NW-H 800/250 A	14	18	14	18	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
		NW-L 800/250 A	14	18	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	
		NW-LF 800/250 A	14	18	21.6	21.6	21.6	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	

Continued on next page

**Table 19 – UL 600 Vac 250 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD 14	JG 18	LD 14	LG 18	LJ 25	LL 50	LR 100	PG 18	JJ 25	PJ 25	LE 35	LX 35	JL 50	JR 100	
400 A	14	LD	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	
		DG	3.1	3.1	1.3	1.3	1.3	1.3	1.3	1.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	18	LG	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		MG	14	18	10.8	10.8	10.8	10.8	10.8	10.8	18	10.8	10.8	10.8	10.8	18	18
		PG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	18
		DJ	3.1	3.1	1.3	1.3	1.3	1.3	1.3	1.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	25	LJ	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
		LH	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		MJ	14	18	10.8	10.8	10.8	10.8	10.8	10.8	25	10.8	10.8	10.8	10.8	25	25
		PJ	14	18	9	9	9	9	9	9	9	25	9	9	9	25	25
	35	NT-N 1200 A	14	18	14	18	25	35	35	18	25	25	35	35	35	35	35
		LL	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
	50	NT-H 1200 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50	50
		PK	14	18	14	18	21.6	21.6	21.6	18	25	21.6	35	35	50	50	50
	85	NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	85
		100	NW-L 1600 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
NW-LF 1600 A			14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100	
600 A		14	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	DG		4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
	18	LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		MG	14	18	10.8	10.8	10.8	10.8	10.8	10.8	18	10.8	10.8	10.8	18	18	
		PG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	
		RG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	
	25	DJ	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
		LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		MJ	14	18	10.8	10.8	10.8	10.8	10.8	10.8	25	10.8	10.8	10.8	25	25	
		PJ	14	18	9	9	9	9	9	9	9	25	9	9	9	25	
	35	NT-N 1200 A	14	18	14	18	25	35	35	18	25	25	35	35	35	35	
		LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	
		50	NT-H 1200 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
			NW-N 2000 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
			PK	14	18	14	18	25	50	50	18	25	21.6	35	35	50	50
			RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
	65	RK	14	18	14	18	25	50	51.3	18	25	25	35	35	50	65	
	85	NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	
		100	NW-L 1600 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
			NW-LF 1600 A	14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100

Continued on next page

**Table 19 – UL 600 Vac 250 A Selective Coordination** *(continued)*

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA														
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD	JG	LD	LG	LJ	LL	LR	PG	JJ	PJ	LE	LX	JL	JR	
			14	18	14	18	25	50	100	18	25	25	35	35	50	100	
800 A	18	MG	14	18	10.8	10.8	10.8	10.8	10.8	10.8	18	10.8	10.8	10.8	18	18	
		PG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	
		RG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	
	25	MJ	14	18	10.8	10.8	10.8	10.8	10.8	10.8	25	10.8	10.8	10.8	25	25	
		PJ	14	18	12.2	12.2	12.2	12.2	12.2	9	25	9	9	9	25	25	
	35	NT-N 1200 A	14	18	14	18	25	35	35	18	25	25	35	35	35	35	
		NT-H 1200 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50	
		50	NW-N 2000 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
			PK	14	18	14	18	25	50	50	18	25	21.6	35	35	50	50
			RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
	65	RK	14	18	14	18	25	50	65	18	25	25	35	35	50	65	
	85	NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	
	100	NW-L 1600 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100	
		NW-LF 1600 A	14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100	
	1000 A	18	PG	14	18	14	18	18	18	18	18	18	18	18	18	18	18
RG			14	18	14	18	18	18	18	18	18	18	18	18	18	18	
25		PJ	14	18	12.2	12.2	12.2	12.2	12.2	9	25	9	9	9	25	25	
		RJ	14	18	14	18	25	25	25	18	25	25	25	25	25	25	
35		NT-N 1200 A	14	18	14	18	25	35	35	18	25	25	35	35	35	35	
		NT-H 1200 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50	
		50	NW-N 2000 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
			PK	14	18	14	18	25	50	50	18	25	21.6	35	35	50	50
			RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
65		RK	14	18	14	18	25	50	65	18	25	25	35	35	50	65	
85		NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	
		NW-H 3000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	
100		NW-L 2000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100	
		NW-L 3000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100	
		NW-LF 1600 A	14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100	
1200 A	18	PG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	
		RG	14	18	14	18	18	18	18	18	18	18	18	18	18	18	
	25	PJ	14	18	12.2	12.2	12.2	12.2	12.2	9	25	9	9	9	25	25	
		RJ	14	18	14	18	25	25	25	18	25	25	25	25	25	25	
	35	NT-N 1200 A	14	18	14	18	25	35	35	18	25	25	35	35	35	35	
		NT-H 1200 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50	
		50	NW-N 2000 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
			PK	14	18	14	18	25	50	50	18	25	21.6	35	35	50	50
			RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
	65	RK	14	18	14	18	25	50	65	18	25	25	35	35	50	65	
	85	NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	
		NW-H 3000A	14	18	14	18	25	50	85	18	25	25	35	35	50	85	
	100	NW-L 2000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100	
		NW-L 3000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100	
		NW-LF 1600 A	14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100	

*Continued on next page*



**Table 19 – UL 600 Vac 250 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA													
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type <sup>3</sup>	JD	JG	LD	LG	LJ	LL	LR	PG	JJ	PJ	LE	LX	JL	JR
			14	18	14	18	25	50	100	18	25	25	35	35	50	100
1600 A	18	RG	14	18	14	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	14	18	14	18	25	25	25	18	25	25	25	25	25	25
	50	NW-N 2000 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
		RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
	65	RK	14	18	14	18	25	50	65	18	25	25	35	35	50	65
	85	NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
		NW-H 3000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
	100	NW-L 2000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
		NW-L 3000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
		NW-LF 1600 A	14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100
2000 A	18	RG	14	18	14	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	14	18	14	18	25	25	25	18	25	25	25	25	25	25
	50	NW-N 2000 A	14	18	14	18	25	50	50	18	25	25	35	35	50	50
		RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
	65	RK	14	18	14	18	25	50	65	18	25	25	35	35	50	65
	85	NW-H 2000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
		NW-H 3000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
	100	NW-L 2000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
		NW-L 3000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
		NW-LF 2000 A	14	18	14	18	25	50	85.2	18	25	21.6	35	35	50	100
2500 A	18	RG	14	18	14	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	14	18	14	18	25	25	25	18	25	25	25	25	25	25
	50	RL	14	18	14	18	25	50	50	18	25	25	35	35	50	50
	65	RK	14	18	14	18	25	50	65	18	25	25	35	35	50	65
	85	NW-H 3000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
	100	NW-L 3000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
3000 A	85	NW-H 3000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
	100	NW-L 3000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100
4000–6000 A	85	NW-H 6000 A	14	18	14	18	25	50	85	18	25	25	35	35	50	85
	100	NW-L 6000 A	14	18	14	18	25	50	100	18	25	25	35	35	50	100

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

<sup>3</sup> Type H and J circuit breakers with the “U” character in the third position are equipped with Micrologic Electronic Trip Units. When used as upstream circuit breakers, they provide different selectivity levels (usually higher) than their thermal-magnetic equivalents. See page 5 for additional information. When used as downstream circuit breakers, there is no difference in selectivity so the standard Types include all trip unit options.

Table 20 – UL 600 Vac 400 A Selective Coordination

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR																
			Maximum Level of Selective Coordination Shown in kA																
Max. Cont. Current Rating	Type	kAIR <sup>1</sup>	PG	DG	LD	LG	LJ	LL	LR	LA	LH	DJ	PJ	LC	LE	LX	PK	LI	LXI
			18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100
600 A	14	LD	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		DG	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LG	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
	18	MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		DJ	4.6	4.6	4.59	4.59	4.59	4.59	4.59	4.59	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
		LJ	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PJ	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	35	NT-N 1200 A	18	18	14	18	25	35	35	22	25	25	25	35	35	35	35	35	35
		LL	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49
		NT-H 1200 A	18	18	14	18	25	50	50	22	25	25	25	35	35	35	36	50	50
	50	NW-N 2000 A	18	18	14	18	25	50	50	22	25	25	25	35	35	35	36	50	50
		PK	18	18	14	18	25	50	50	22	21.6	25	21.6	35	35	35	21.6	50	50
		RL	18	18	14	18	25	50	50	22	25	25	25	35	35	35	40.8	50	50
	65	RK	18	18	14	18	25	50	51.3	22	25	25	25	35	35	35	50	65	65
	85	NW-H 2000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	36	85	85
	100	NW-L 1600 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	31.5	100	100
		NW-LF 1600 A	18	18	14	18	25	50	85.2	22	21.6	25	21.6	35	35	35	21.6	58.5	58.5
800 A	18	MG	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	MJ	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PJ	9	9	12.2	12.2	12.2	12.2	12.2	9	9	9	9	9	9	9	9	9	9
	35	NT-N 1200 A	18	18	14	18	25	35	35	22	25	25	25	35	35	35	35	35	35
		NT-H 1200 A	18	18	14	18	25	50	50	22	25	25	25	35	35	35	36	50	50
	50	NW-N 2000 A	18	18	14	18	25	50	50	22	25	25	25	35	35	35	36	50	50
		PK	18	18	14	18	25	50	50	22	21.6	25	21.6	35	35	35	21.6	50	50
		RL	18	18	14	18	25	50	50	22	25	25	25	35	35	35	40.8	50	50
	65	RK	18	18	14	18	25	50	65	22	25	25	25	35	35	35	50	65	65
	85	NW-H 2000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	36	85	85
	100	NW-L 1600 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	31.5	100	100
		NW-LF 1600 A	18	18	14	18	25	50	85.2	22	21.6	25	21.6	35	35	35	21.6	58.5	58.5

Continued on next page

**Table 20 – UL 600 Vac 400 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																			
Max. Cont. Current Rating	Type	kAIR <sup>1</sup>	PG	DG	LD	LG	LJ	LL	LR	LA	LH	DJ	PJ	LC	LE	LX	PK	LI	LXI			
			18	18	14	18	25	50	100	22	25	25	25	35	35	35	35	50	100	100		
1000 A	18	PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
		RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
	25	PJ	9	9	12.2	12.2	12.2	12.2	12.2	12.2	9	9	9	9	9	9	9	9	9	9	9	
		RJ	18	18	14	18	25	25	25	25	22	25	25	25	25	25	25	25	25	25	25	
	35	NT-N 1200 A	18	18	14	18	25	35	35	35	22	25	25	25	35	35	35	35	35	35	35	
		NT-H 1200 A	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	36	50	50	
	50	NW-N 2000 A	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	36	50	50	
		PK	18	18	14	18	25	50	50	50	22	21.6	25	21.6	35	35	35	35	21.6	50	50	
		RL	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	40.8	50	50	
		RK	18	18	14	18	25	50	65	65	22	25	25	25	35	35	35	35	50	65	65	
	85	NW-H 2000 A	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	36	85	85	
		NW-H 3000 A	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	50	85	85	
	100	NW-L 2000 A	18	18	14	18	25	50	100	100	22	25	25	25	35	35	35	35	50	100	100	
		NW-L 3000 A	18	18	14	18	25	50	100	100	22	25	25	25	35	35	35	35	50	100	100	
		NW-LF 1600 A	18	18	14	18	25	50	85.2	85.2	22	21.6	25	21.6	35	35	35	35	21.6	58.5	58.5	
		RL	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	40.8	50	50	
	1200 A	18	PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
			RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		25	PJ	9	9	12.2	12.2	12.2	12.2	12.2	12.2	9	9	9	9	9	9	9	9	9	9	9
			RJ	18	18	14	18	25	25	25	25	22	25	25	25	25	25	25	25	25	25	25
35		NT-N 1200 A	18	18	14	18	25	35	35	35	22	25	25	25	35	35	35	35	35	35	35	
		NT-H 1200 A	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	36	50	50	
50		NW-N 2000 A	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	36	50	50	
		PK	18	18	14	18	25	50	50	50	22	21.6	25	21.6	35	35	35	35	21.6	50	50	
		RL	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	40.8	50	50	
		RK	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	50	65	65	
85		NW-H 2000 A	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	36	85	85	
		NW-H 3000 A	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	50	85	85	
100		NW-L 2000 A	18	18	14	18	25	50	100	100	22	25	25	25	35	35	35	35	50	100	100	
		NW-L 3000 A	18	18	14	18	25	50	100	100	22	25	25	25	35	35	35	35	50	100	100	
		NW-LF 1600 A	18	18	14	18	25	50	85.2	85.2	22	21.6	25	21.6	35	35	35	35	21.6	58.5	58.5	
		RL	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	40.8	50	50	
1600 A		18	RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
			RJ	18	18	14	18	25	25	25	25	22	25	25	25	25	25	25	25	25	25	
		50	NW-N 2000 A	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	36	50	50
			RL	18	18	14	18	25	50	50	50	22	25	25	25	35	35	35	35	40.8	50	50
	65	RK	18	18	14	18	25	50	65	65	22	25	25	25	35	35	35	35	50	65	65	
		NW-H 2000 A	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	36	85	85	
	85	NW-H 3000 A	18	18	14	18	25	50	85	85	22	25	25	25	35	35	35	35	50	85	85	
		NW-L 2000 A	18	18	14	18	25	50	100	100	22	25	25	25	35	35	35	35	50	100	100	
	100	NW-L 3000 A	18	18	14	18	25	50	100	100	22	25	25	25	35	35	35	35	50	100	100	
		NW-LF 1600 A	18	18	14	18	25	50	85.2	85.2	22	21.6	25	21.6	35	35	35	35	21.6	58.5	58.5	

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**Table 20 – UL 600 Vac 400 A Selective Coordination** (continued)

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																	
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	PG	DG	LD	LG	LJ	LL	LR	LA	LH	DJ	PJ	LC	LE	LX	PK	LI	LXI	
			18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100	
2000 A	18	RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	18	18	14	18	25	25	25	22	25	25	25	25	25	25	25	25	25	25
	50	NW-N 2000 A	18	18	14	18	25	50	50	22	25	25	25	35	35	35	36	50	50	50
		RL	18	18	14	18	25	50	50	22	25	25	25	35	35	35	40.8	50	50	50
	65	RK	18	18	14	18	25	50	65	22	25	25	25	35	35	35	50	65	65	65
	85	NW-H 2000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	36	85	85	85
		NW-H 3000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	50	85	85	85
	100	NW-L 2000 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100	100
		NW-L 3000 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100	100
NW-LF 2000 A		18	18	14	18	25	50	85.2	22	21.6	25	21.6	35	35	35	21.6	58.5	58.5	58.5	
2500 A	18	RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	18	18	14	18	25	25	25	22	25	25	25	25	25	25	25	25	25	25
	50	RL	18	18	14	18	25	50	50	22	25	25	25	35	35	35	40.8	50	50	50
	65	RK	18	18	14	18	25	50	65	22	25	25	25	35	35	35	50	65	65	65
	85	NW-H 3000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	50	85	85	85
	100	NW-L 3000 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100	100
3000 A	85	NW-H 3000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	50	85	85	85
	100	NW-L 3000 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100	100
4000– 6000 A	85	NW-H 6000 A	18	18	14	18	25	50	85	22	25	25	25	35	35	35	50	85	85	85
	100	NW-L 6000 A	18	18	14	18	25	50	100	22	25	25	25	35	35	35	50	100	100	100

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 21 – UL 600 Vac 600–1200 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																								
Max. Cont. Current Rating	Type	kAIR <sup>1</sup>	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	MG	MJ	PG	PJ	PK	RG	RJ	RL	RK	NT	NT		
			18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	65	35	50		
800 A	18	MG	18	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
		PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	MJ	18	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		PJ	9	9	12.2	12.2	12.2	12.2	12.2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	35	NT-N 1200 A	18	25	14	18	25	35	35	35	35	35	35	35	35	18	25	18	25	35	18	25	35	35	35	35	35
		NT-H 1200 A	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36	36	
		NW-N 2000 A	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36	36	
		PK	18	25	14	18	25	50	50	35	35	35	50	50	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	21.6
		RL	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	40.8	18	25	40.8	40.8	35	40.8	40.8	
		RK	18	25	14	18	25	50	65	35	35	35	65	65	18	25	18	25	25	18	25	50	51.3	35	50	50	
	85	NW-H 2000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	36	18	25	36	36	35	36	36	
		100	NW-L 1600 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	31.5	18	25	31.5	31.5	31.5	31.5	31.5
			NW-LF 1600 A	18	25	14	18	25	50	85.2	35	35	35	58.5	58.5	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6
	1000 A	18	PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
			RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		25	PJ	9	9	12.2	12.2	12.2	12.2	12.2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			RJ	18	25	14	18	25	25	25	25	25	25	25	25	18	25	18	25	25	18	25	25	25	25	25	25
35		NT-N 1200 A	18	25	14	18	25	35	35	35	35	35	35	35	35	18	25	18	25	35	18	25	35	35	35	35	
		NT-H 1200 A	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36	36	
		NW-N 2000 A	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36	36	
		PK	18	25	14	18	25	50	50	35	35	35	50	50	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	
		RL	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	40.8	18	25	40.8	40.8	35	40.8	40.8	
		RK	18	25	14	18	25	50	65	35	35	35	65	65	18	25	18	25	50	18	25	50	51.3	35	50	50	
85		NW-H 2000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	36	18	25	36	36	35	36	36	
		100	NW-H 3000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	50	18	25	50	58.5	35	50	50
			NW-L 2000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50	50
100		NW-L 3000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50	50	
		NW-LF 1600 A	18	25	14	18	25	50	85.2	35	35	35	58.5	58.5	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	
		1200 A	18	PG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
RG				18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
25			PJ	9	9	12.2	12.2	12.2	12.2	12.2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	RJ		18	25	14	18	25	25	25	25	25	25	25	25	18	25	18	25	25	18	25	25	25	25	25	25	
35	NT-N 1200 A		18	25	14	18	25	35	35	35	35	35	35	35	35	18	25	18	25	35	18	25	35	35	35	35	
	NT-H 1200 A		18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36	36	
	NW-N 2000 A		18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36	36	
	PK		18	25	14	18	25	50	50	35	35	35	50	50	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	
	RL		18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	40.8	18	25	40.8	40.8	35	40.8	40.8	
	RK		18	25	14	18	25	50	65	35	35	35	65	65	18	25	18	25	50	18	25	50	51.3	35	50	50	
85	NW-H 2000 A		18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	36	18	25	36	36	35	36	36	
	100		NW-H 3000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	50	18	25	50	58.5	35	50	50
			NW-L 2000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50	50
100	NW-L 3000 A		18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50	50	
	NW-LF 1600 A		18	25	14	18	25	50	85.2	35	35	35	58.5	58.5	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6	21.6	

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**Table 21 – UL 600 Vac 600–1200 A Selective Coordination (continued)**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA																						
Max. Cont. Current Rating	Type	kAIR <sup>1</sup>	DG	DJ	LD	LG	LJ	LL	LR	LC	LE	LX	LI	LXI	MG	MJ	PG	PJ	PK	RG	RJ	RL	RK	NT	NT
			18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	65	35	50
1600 A	18	RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	18	25	14	18	25	25	25	25	25	25	25	25	18	25	18	25	25	18	25	25	25	25	25
	50	NW-N 2000 A	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36
		RL	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	40.8	18	25	40.8	40.8	35	40.8
	65	RK	18	25	14	18	25	50	65	35	35	35	65	65	18	25	18	25	50	18	25	50	51.3	35	50
	85	NW-H 2000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	36	18	25	36	36	35	36
		NW-H 3000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	50	18	25	50	58.5	35	50
	100	NW-L 2000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50
		NW-L 3000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50
		NW-LF 1600 A	18	25	14	18	25	50	85.2	35	35	35	58.5	58.5	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6
2000 A	18	RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	18	25	14	18	25	25	25	25	25	25	25	25	18	25	18	25	25	18	25	25	25	25	25
	50	NW-N 2000 A	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	36	18	25	36	36	35	36
		RL	18	25	14	18	25	50	65	35	35	35	50	50	18	25	18	25	40.8	18	25	40.8	40.8	35	40.8
	65	RK	18	25	14	18	25	50	85	35	35	35	65	65	18	25	18	25	50	18	25	50	51.3	35	50
	85	NW-H 2000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	36	18	25	36	36	35	36
		NW-H 3000 A	18	25	14	18	25	50	100	35	35	35	85	85	18	25	18	25	50	18	25	50	58.5	35	50
	100	NW-L 2000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50
		NW-L 3000 A	18	25	14	18	25	50	85.2	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50
		NW-LF 2000 A	18	25	14	18	25	50	50	35	35	35	58.5	58.5	18	21.6	18	21.6	21.6	18	21.6	21.6	21.6	21.6	21.6
2500 A	18	RG	18	18	14	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	25	RJ	18	25	14	18	25	25	25	25	25	25	25	25	18	25	18	25	25	18	25	25	25	25	25
	50	RL	18	25	14	18	25	50	50	35	35	35	50	50	18	25	18	25	40.8	18	25	40.8	40.8	35	40.8
	65	RK	18	25	14	18	25	50	65	35	35	35	65	65	18	25	18	25	50	18	25	50	51.3	35	50
	85	NW-H 3000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	50	18	25	50	58.5	35	50
3000 A	100	NW-L 3000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	58.5	35	50
	85	NW-H 3000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	50	18	25	50	58.5	35	50
4000–6000 A	100	NW-L 6000 A	18	25	14	18	25	50	100	35	35	35	100	100	18	25	18	25	50	18	25	50	65	35	50
	85	NW-H 6000 A	18	25	14	18	25	50	85	35	35	35	85	85	18	25	18	25	50	18	25	50	65	35	50

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.  
<sup>2</sup> Number after NW-x indicates frame size.

## Appendix C

### Levels of Short Circuit Selective Coordination for ANSI Low Voltage Power Circuit Breakers

Appendix C				
Type	Volts	Downstream Circuit Breaker (frame size)	Table No.	Page No.
ANSI	240	800 A	22	64
	480		23	65
	600		24	66
	240	1600 A	25	67
	480		26	68
	600		27	69
	240	2000 A	28	70
	480		29	70
	600		30	71

The data in the following tables for ANSI C37.13 and C37.50, UL 1066 Listed, low voltage power circuit breakers also applies to CSA C22.2 #31-M89 Certified low voltage power circuit breakers. All data is at 60 Hz. The data does not apply to circuit breakers that are UL 489 Listed, or Certified to IEC 60947-2 only, or at frequencies other than 60 Hz.

Fully rated pairs of circuit breakers where there is a reasonable expectation of selective coordination are shown. Pairings of the same frame circuit breakers are not shown, as such pairings would not be expected to selectively coordinate.

Based on laboratory testing, Schneider Electric certifies the following levels of selective coordination based upon the construction of the specific circuit breakers referenced as of the date of publication of this document.

Table 22 – ANSI 240 Vac 800 A Selective Coordination

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA						
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NT-N1 08	NW-N1 16	NW-H1 16	NW-H2 16	NW-H3 16	NW-L1 16	NW-L1F 16
			42	42	65	85	100	200	200
800 A	42	NW-N1 1600 A	42	42	42	42	42	42	42
	42	NW-N1 1600 A	42	42	42	42	42	42	42
	65	NW-H1 3200 A	42	42	65	65	65	65	65
1600 A	85	NW-H2 3200 A	42	42	65	85	85	85	85
	100	NW-H3 1600 A	42	42	65	76.5	76.5	100	100
		NW-H3 3200 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 1600 A	31.5	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L1 3200 A	42	42	65	85	100	200	200
	2000 A	65	NW-H1 2000 A	42	42	65	65	65	65
NW-H1 3200 A			42	42	65	65	65	65	65
85		NW-H2 2000 A	42	42	65	85	85	85	85
		NW-H2 3200 A	42	42	65	85	85	85	85
		NW-H2 5000 A	42	42	65	85	85	85	85
100		NW-H3 2000 A	42	42	65	85	76.5	100	100
		NW-H3 3200 A	42	42	65	85	76.5	100	100
		NW-H3 5000 A	42	42	65	85	76.5	100	100
		NW-L1 2000 A	31.5	31.5	31.5	31.5	31.5	31.5	31.5
200		NW-L1F 2000 A	21.6	21.6	21.6	21.6	21.6	21.6	21.6
		NW-L1 3200 A	42	42	65	85	100	200	200
		NW-L1 5000 A	42	42	65	85	100	200	200
3200 A	65	NW-H1 3200 A	42	42	65	65	65	65	65
	85	NW-H2 3200 A	42	42	65	85	85	85	85
		NW-H2 5000 A	42	42	65	85	85	85	85
	100	NW-H3 3200 A	42	42	65	76.5	76.5	100	100
		NW-H3 5000 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 3200 A	42	42	65	85	100	200	200
NW-L1 5000 A	42	42	65	85	100	200	200		
4000 A	85	NW-H2 5000 A	42	42	65	85	85	85	85
	100	NW-H3 5000 A	42	42	65	85	76.5	100	100
	200	NW-L1 5000 A	42	42	65	85	100	200	200
5000 A	85	NW-H2 5000 A	42	42	65	85	85	85	85
	100	NW-H3 5000 A	42	42	65	85	76.5	100	100
	200	NW-L1 5000 A	42	42	65	85	100	200	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.



**Table 23 – ANSI 480 Vac 800 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA						
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NT-N1 08	NW-N1 16	NW-H1 16	NW-H2 16	NW-H3 16	NW-L1 16	NW-L1F 16
			42	42	65	85	100	200	200
800 A	42	NW-N1 1600 A	42	42	42	42	42	42	42
	42	NW-N1 1600 A	42	42	42	42	42	42	42
1600 A	65	NW-H1 3200 A	42	42	65	65	65	65	65
	85	NW-H2 3200 A	42	42	65	85	85	85	85
	100	NW-H3 3200 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 3200 A	42	42	65	85	100	200	200
	65	NW-H1 2000 A	42	42	65	65	65	65	65
2000 A		NW-H1 3200 A	42	42	65	65	65	65	65
	85	NW-H2 2000 A	42	42	65	85	85	85	85
		NW-H2 3200 A	42	42	65	85	85	85	85
		NW-H2 5000 A	42	42	65	85	85	85	85
		NW-H3 2000 A	42	42	65	76.5	76.5	100	100
	100	NW-H3 3200 A	42	42	65	76.5	76.5	100	100
		NW-H3 5000 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 2000 A	31.5	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L1F 2000 A	21.6	21.6	21.6	21.6	21.6	21.6	21.6
		NW-L1 3200 A	42	42	65	85	100	200	200
	NW-L1 5000 A	42	42	65	85	100	200	200	
3200 A	65	NW-H1 3200 A	42	42	65	65	65	65	65
	85	NW-H2 3200 A	42	42	65	85	85	85	85
		NW-H2 5000 A	42	42	65	85	85	85	85
	100	NW-H3 3200 A	42	42	65	76.5	76.5	100	100
		NW-H3 5000 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 3200 A	42	42	65	85	100	200	200
	NW-L1 5000 A	42	42	65	85	100	200	200	
4000 A	85	NW-H2 5000 A	42	42	65	85	85	85	85
	100	NW-H3 5000 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 5000 A	42	42	65	85	100	200	200
5000 A	85	NW-H2 5000 A	42	42	65	85	85	85	85
	100	NW-H3 5000 A	42	42	65	76.5	76.5	100	100
	200	NW-L1 5000 A	42	42	65	85	100	200	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 24 – ANSI 600 Vac 800 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA					
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NW-N1 16	NW-H1 16	NW-H2 16	NW-H3 16	NW-L1 16	NW-L1F 16
			42	65	85	85	130	130
1600 A	65	NW-H1 3200 A	42	65	65	65	65	65
	85	NW-H2 3200 A	42	65	85	85	85	85
		NW-H3 3200 A	42	65	76.5	76.5	85	85
	130	NW-L1 3200 A	42	65	85	85	130	130
2000 A	65	NW-H1 2000 A	42	65	65	65	65	65
		NW-H1 3200 A	42	65	65	65	65	65
	85	NW-H2 2000 A	42	65	85	85	85	85
		NW-H2 3200 A	42	65	85	85	85	85
		NW-H2 5000 A	42	65	85	85	85	85
		NW-H3 2000 A	42	65	76.5	76.5	85	85
	130	NW-H3 3200 A	42	65	76.5	76.5	85	85
		NW-H3 5000 A	42	65	76.5	76.5	85	85
		NW-L1 2000 A	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L1F 2000 A	21.6	21.6	21.6	21.6	21.6	21.6
3200 A	65	NW-L1 3200 A	42	65	85	85	130	130
		NW-L1 5000 A	42	65	85	85	130	130
	85	NW-H1 3200 A	42	65	65	65	65	65
NW-H2 3200 A		42	65	85	85	85	85	
NW-H2 5000 A		42	65	85	85	85	85	
NW-H3 3200 A		42	65	76.5	76.5	85	85	
130	NW-H3 5000 A	42	65	76.5	76.5	85	85	
	NW-L1 3200 A	42	65	85	85	130	130	
4000 A	85	NW-L1 5000 A	42	65	85	85	130	130
		NW-H2 5000 A	42	65	85	85	85	85
5000 A	130	NW-H3 5000 A	42	65	76.5	76.5	85	85
		NW-L1 5000 A	42	65	85	85	130	130

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 25 – ANSI 240 Vac 1600 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA					
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NW-N1 16	NW-H1 16	NW-H2 16	NW-H3 16	NW-L1 16	NW-L1F 16
			42	65	85	100	200	200
2000 A	65	NW-H1 2000 A	42	65	65	65	65	65
		NW-H1 3200 A	42	65	65	65	65	65
	85	NW-H2 2000 A	42	65	85	85	85	85
		NW-H2 3200 A	42	65	85	85	85	85
		NW-H2 5000 A	42	65	85	85	85	85
	100	NW-H3 2000 A	42	65	76.5	76.5	100	100
		NW-H3 3200 A	42	65	76.5	76.5	100	100
		NW-H3 5000 A	42	65	76.5	76.5	100	100
	200	NW-L1 2000 A	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L1F 2000 A	21.6	21.6	21.6	21.6	21.6	21.6
		NW-L1 3200 A	42	65	85	100	200	200
		NW-L1 5000 A	42	65	85	100	200	200
3200 A	65	NW-H1 3200 A	42	65	65	65	65	65
	85	NW-H2 3200 A	42	65	85	85	85	85
		NW-H2 5000 A	42	65	85	85	85	85
	100	NW-H3 3200 A	42	65	76.5	76.5	100	100
		NW-H3 5000 A	42	65	76.5	76.5	100	100
	200	NW-L1 3200 A	42	65	85	100	200	200
	NW-L1 5000 A	42	65	85	100	200	200	
4000 A	85	NW-H2 5000 A	42	65	85	85	85	85
	100	NW-H3 5000 A	42	65	76.5	76.5	100	100
	200	NW-L1 5000 A	42	65	85	100	200	200
5000 A	85	NW-H2 5000 A	42	65	85	85	85	85
	100	NW-H3 5000 A	42	65	76.5	76.5	100	100
	200	NW-L1 5000 A	42	65	85	100	200	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 26 – ANSI 480 Vac 1600 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>		Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA						
Max. Cont. Current Rating	Type	NW-N1 16	NW-H1 16	NW-H2 16	NW-H3 16	NW-L1 16	NW-L1F 16	
	kAIR <sup>1</sup>	42	65	85	100	200	200	
2000 A	65	NW-H1 2000 A	42	65	65	65	65	65
		NW-H1 3200 A	42	65	65	65	65	65
	85	NW-H2 2000 A	42	65	85	85	85	85
		NW-H2 3200 A	42	65	85	85	85	85
		NW-H2 5000 A	42	65	85	85	85	85
	100	NW-H3 2000 A	42	65	76.5	76.5	100	100
		NW-H3 3200 A	42	65	76.5	76.5	100	100
		NW-H3 5000 A	42	65	76.5	76.5	100	100
	200	NW-L1 2000 A	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L1F 2000 A	21.6	21.6	21.6	21.6	21.6	21.6
		NW-L1 3200 A	42	65	85	100	200	200
		NW-L1 5000 A	42	65	85	100	200	200
3200 A	65	NW-H1 3200 A	42	65	65	65	65	65
		NW-H2 3200 A	42	65	85	85	85	85
	85	NW-H2 5000 A	42	65	85	85	85	85
		NW-H3 3200 A	42	65	76.5	76.5	100	100
	100	NW-H3 5000 A	42	65	76.5	76.5	100	100
		NW-L1 3200 A	42	65	85	100	200	200
200	NW-L1 5000 A	42	65	85	100	200	200	
	4000 A	85	NW-H2 5000 A	42	65	85	85	85
100		NW-H3 5000 A	42	65	76.5	76.5	100	100
200		NW-L1 5000 A	42	65	85	100	200	200
5000 A	85	NW-H2 5000 A	42	65	85	85	85	85
	100	NW-H3 5000 A	42	65	76.5	76.5	100	100
	200	NW-L1 5000 A	42	65	85	100	200	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 27 – ANSI 600 Vac 1600 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA					
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NW-N1 16	NW-H1 16	NW-H2 16	NW-H3 16	NW-L1 16	NW-L1F 16
			42	65	85	85	130	130
2000 A	65	NW-H1 2000 A	42	65	65	65	65	65
		NW-H1 3200 A	42	65	65	65	65	65
	85	NW-H2 2000 A	42	65	85	85	85	85
		NW-H2 3200 A	42	65	85	85	85	85
		NW-H2 5000 A	42	65	85	85	85	85
		NW-H3 2000 A	42	65	76.5	76.5	85	85
		NW-H3 3200 A	42	65	76.5	76.5	85	85
		NW-H3 5000 A	42	65	76.5	76.5	85	85
	130	NW-L1 2000 A	31.5	31.5	31.5	31.5	31.5	31.5
		NW-L1F 2000 A	21.6	21.6	21.6	21.6	21.6	21.6
		NW-L1 3200 A	42	65	85	85	130	130
		NW-L1 5000 A	42	65	85	85	130	130
3200 A	65	NW-H1 3200 A	42	65	65	65	65	65
		NW-H2 3200 A	42	65	85	85	85	85
	85	NW-H2 5000 A	42	65	85	85	85	85
		NW-H3 3200 A	42	65	76.5	76.5	85	85
		NW-H3 5000 A	42	65	76.5	76.5	85	85
	130	NW-L1 3200 A	42	65	85	85	130	130
NW-L1 5000 A		42	65	85	85	130	130	
4000 A	85	NW-H2 5000 A	42	65	85	85	85	85
		NW-H3 5000 A	42	65	76.5	76.5	85	85
	130	NW-L1 5000 A	42	65	85	85	130	130
5000 A	85	NW-H2 5000 A	42	65	85	85	85	85
		NW-H3 5000 A	42	65	76.5	76.5	85	85
	130	NW-L1 5000 A	42	65	85	85	130	130

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 28 – ANSI 240 Vac 2000 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NW-H1 20	NW-H2 20	NW-H3 20	NW-L1 20	NW-L1F 20
			65	85	100	200	200
3200 A	65	NW-H1 3200 A	65	65	65	65	65
	85	NW-H2 3200 A	65	85	85	85	85
		NW-H2 5000 A	65	85	85	85	85
	100	NW-H3 3200 A	65	76.5	76.5	100	100
		NW-H3 5000 A	65	76.5	76.5	100	100
	200	NW-L1 3200 A	65	85	100	200	200
NW-L1 5000 A		65	85	100	200	200	
4000 A	85	NW-H2 5000 A	65	85	85	85	85
	100	NW-H3 5000 A	65	76.5	76.5	100	100
	200	NW-L1 5000 A	65	85	100	200	200
5000 A	85	NW-H2 5000 A	65	85	85	85	85
	100	NW-H3 5000 A	65	76.5	76.5	100	100
	200	NW-L1 5000 A	65	85	100	200	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 29 – ANSI 480 Vac 2000 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NW-H1 20	NW-H2 20	NW-H3 20	NW-L1 20	NW-L1F 20
			65	85	100	200	200
3200 A	65	NW-H1 3200 A	65	65	65	65	65
	85	NW-H2 3200 A	65	85	85	85	85
		NW-H2 5000 A	65	85	85	85	85
	100	NW-H3 3200 A	65	76.5	76.5	100	100
		NW-H3 5000 A	65	76.5	76.5	100	100
	200	NW-L1 3200 A	65	105.3	100	200	200
NW-L1 5000 A		65	105.3	100	200	200	
4000 A	85	NW-H2 5000 A	65	85	85	85	85
	100	NW-H3 5000 A	65	76.5	76.5	100	100
	200	NW-L1 5000 A	65	85	100	200	200
5000 A	85	NW-H2 5000 A	65	85	85	85	85
	100	NW-H3 5000 A	65	76.5	76.5	100	100
	200	NW-L1 5000 A	65	85	100	200	200

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

**Table 30 – ANSI 600 Vac 2000 A Selective Coordination**

Upstream Circuit Breaker <sup>2</sup>			Downstream Circuit Breaker—Type / kAIR Maximum Level of Selective Coordination Shown in kA				
Max. Cont. Current Rating	kAIR <sup>1</sup>	Type	NW-H1 20	NW-H2 20	NW-H3 20	NW-L1 20	NW-L1F 20
			65	85	85	130	130
3200 A	65	NW-H1 3200 A	65	65	65	65	65
		NW-H2 3200 A	65	85	85	85	85
	85	NW-H2 5000 A	65	85	85	85	85
		NW-H3 3200 A	65	76.5	76.5	85	85
		NW-H3 5000 A	65	76.5	76.5	85	85
	130	NW-L1 3200 A	65	85	85	130	130
NW-L1 5000 A		65	85	85	130	130	
4000 A	85	NW-H2 5000 A	65	85	85	85	85
		NW-H3 5000 A	65	76.5	76.5	85	85
	130	NW-L1 5000 A	65	85	85	130	130
5000 A	85	NW-H2 5000 A	65	85	85	85	85
		NW-H3 5000 A	65	76.5	76.5	85	85
	130	NW-L1 5000 A	65	85	85	130	130

<sup>1</sup> This is the interrupting rating of the upstream circuit breaker, and therefore, the maximum available short circuit current on the line side of the upstream circuit breaker.

<sup>2</sup> Number after NW-x indicates frame size.

# Appendix D

## Glossary

- ampacity**—The RMS current, in amperes, that a conductor or circuit breaker can carry continuously under the conditions of use without exceeding its temperature rating.
- ampere rating**—See continuous current rating.
- ANCE**—(National Association of Standardization and Certification for the Electrical Sector) The standards and certification agency accredited by the Mexican government.
- ANSI**—American National Standards Institute.
- Canadian Standards Association**—(CSA) Canadian product safety testing and certification organization.
- circuit breaker**—A device designed to open and close a circuit by non-automatic means and to open the circuit automatically on an overcurrent without damage to itself when properly applied within its rating.
- circuit breaker frame**—(1) The circuit breaker housing which contains the current carrying components, the current sensing components, and the tripping and operating mechanism. (2) That portion of an interchangeable trip molded case circuit breaker remaining when the interchangeable trip unit is removed.
- close and latch rating**—The maximum level of current a circuit breaker can be closed on and still have the mechanism latch in the fully closed position.
- continuous current rating**—The designated RMS alternating or direct current in amperes which a device or assembly will carry continuously in free air without tripping or exceeding temperature limits.
- CSA**—See Canadian Standards Association.
- frame size**—The largest ampere rating available in a group of circuit breakers of similar physical configuration.
- ground fault**—An unintentional current path, through a grounded conductor, enclosure, raceway or the earth, back to the source.
- instantaneous selective override**—A fixed, non-adjustable, instantaneous trip function set just below a circuit breakers withstand capability.
- instantaneous trip**—A qualifying term indicating that no delay is purposely introduced in the tripping action of the circuit breaker during short-circuit conditions.
- insulated case circuit breaker**—(ICCB) UL Standard 489 Listed non-fused molded case circuit breakers which utilize a two-step stored energy closing mechanism, electronic trip system and optional draw-out construction.
- interrupting rating**—The highest current at rated voltage that the circuit breaker is rated to interrupt in RMS symmetrical amperes. When the circuit breaker can be used at more than one voltage, the interrupting rating will be shown on the circuit breaker for each voltage level. The interrupting rating of a circuit breaker must be equal to or greater than the available short-circuit current at the point at which the circuit breaker is applied to the system.
- kAIR**—Ampere Interrupting Rating in thousands of amperes. See interrupting rating.
- let-through**—The current which passes through an overcurrent protective device during an interruption.
- making current release**—A fixed, non-adjustable, instantaneous trip function set just below a circuit breakers close and latch rating.
- molded case circuit breaker**—(MCCB) A circuit breaker which is assembled as an integral unit in a supportive and enclosed housing of insulating material, generally 20 to 3000 A in size and used in systems up to 600 Vac and 500 Vdc.
- NMX**—(Norma Mexicana X) Mexican safety standards.
- selective coordination**—Localization of an overcurrent condition to restrict an outage to the circuit or equipment affected, accomplished by the choice of overcurrent protective devices and their ratings or settings. (NEC 100 - Definitions)
- time-current curve**—A graphical representation of the response of a circuit breaker to current over a period of time.
- UL**—See Underwriters Laboratories Inc.
- Underwriters Laboratories Inc.**—(UL) An independent, not-for-profit standards development, product safety testing and certification organization.





