

# CENTERLINE<sup>®</sup> Motor Control Centers

## Power Fuses

### Application

The information in this publication applies to the selection of 3-phase motor power fuses when used in 460V and 575V applications, as well as to the selection of power fuses in branch circuit or non-motor applications.

Refer to Publication 2100-PL001D-EN-P for ordering information.

Power fuses for motor applications are valid for the following Bulletin 2100 NEMA products:

- Bulletin 2106 Full Voltage Reversing Combination Starters
- Bulletin 2112 Full Voltage Non-Reversing Combination Starters
- Bulletin 2112 Full Voltage Non-Reversing Vacuum Combination Starters
- Bulletin 2122 Two Speed Combination Starters
- Bulletin 2126 Two Speed Reversing Combination Starters
- Bulletin 2154F&G Combination Solid-State Controllers
- Bulletin 2172 Reduced Voltage Autotransformer Combination Starters

Power fuses for branch circuit or non-motor applications are valid for the following Bulletin 2100 NEMA products.

- Bulletin 2100D Miscellaneous Units with Fusible Disconnects
- Bulletin 2102L Full Voltage Lighting Contactors
- Bulletin 2102H Full Voltage Lighting Contactors (High Harmonic Applications)
- Bulletin 2192F Fusible Disconnect Feeders
- Bulletin 2192M Fusible Disconnect Mains
- Bulletin 2196 Control and Lighting Transformers with Fusible Disconnects

All power and time delay fuses are UL Class/CSA HRCI as follows: Class CC/HRCI-MISC., Class J/HRCI-J, Class RK1/HRCI-R, and Class L/HRCI-L. The HRCII-C fuses specified for use in Canada are NOT time delay fuses and also are applicable for motor loads only (must be used in conjunction with a motor overload relay). Please note that the Class R fuse is an RK1 and DOES NOT include the RK5 type. The RK5 type may allow too much let-through energy during a short circuit and, therefore, may not offer the best protection.

For a particular application, see the table guide (Table B) which shows the types, manufacturer, and application.

The Allen-Bradley pre-selected motor application power fuses (Tables C through G), are based upon fuse manufacturer's recommendations, Allen-Bradley investigative testing, and requirements of the National Electrical Code/Canadian Electric Code (NEC/CEC). Supplied CC, J, and RK1 time delay fuses specified for the Typical motor acceleration time applications are in accordance with IEC 947-4-1 test requirements and allow for Type 2 Short Circuit Coordination.

## Motor Application

Motor application power fuse selection is available in two (2) acceleration ranges:

- Typical motor acceleration time for non-plugging or non-jogging applications. Typical motor acceleration times are 5 seconds or less.
- Long motor acceleration time for applications, where the motor acceleration times are greater than 5 seconds, for cases of light plugging or jogging, some code letter motors, and some high efficiency motors.

## Non-Motor Application

The customer selects the proper power fuse for branch circuit or non-motor applications (Table H through P), other than transformer applications, based on load and NEC/CEC requirements. Additionally, the power fuse rating is limited by the disconnect/fuse clip rating available for the particular application, see Table A.

A particular disconnect fuse clip rating will allow for a particular range of fuse ratings, e.g., a 60 ampere disconnect fuse clip will accommodate fuse ratings from 31 amperes to 60 amperes. In addition, the fuse selection tables only allow for "standard ampere rating" fuses as defined in the NEC/CEC.

The Allen-Bradley pre-selected power fuses for control and lighting transformer applications (Table Q), are based on the primary protection requirements as found in the NEC/CEC. Additionally, the disconnect/fuse clip rating limits the maximum available power fuse rating for the particular transformer application.

**Table A: Fuse Clip Rating**

Fuse Size (Amperes)	Fuse Clip Rating (Amperes)
0-30	30
31-60	60
61-100	100
101-200	200
201-400	400
401-600	600
601-800	800
801-1200	1200

Tables appearing in this publication will assist in determining fuse ratings and part number correlation:

**Table B**

Table Type	Table	Page Number	Fuse	Manufacturer and Type	Application
Fuse Ratings	C	4	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	3-Phase Motor Applications (Bulletin 2106, 2112, 2112 vacuum, 2122, 2126, 2154F&G, 2172)
	D		UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
	E	5	UL Class RK1 / CSA HRCI-R	Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
	F		UL Class L / CSA HRCI-L	Ferraz Shawmut Type A4BT or Bussmann Type KLU	
	G	6	Class C FORM II (CSA HRCII-C)	Ferraz Shawmut Types GIA, GIS, GCP, GF, GM & GLM	
	H	7	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	
	J		UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
			UL Class RK1 / CSA HRCI-R	Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
	K	8	UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	Bul 2102H - Full Voltage Lighting Contactors - High Harmonic Applications
	L		UL Class RK1 / CSA HRCI-R	Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
	M	9	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	Bulletin 2102L - Full Voltage Lighting Contactors
			UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
	N	10	UL Class RK1 / CSA HRCI-R	Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	Fusible Disconnect Feeders (Bulletin 2192F)
	P		UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	
			UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
	Q	11	UL Class L / CSA HRCI-L	Ferraz Shawmut Type A4BT or Bussmann Type KLU	Fusible Disconnect Feeders & Mains (Bulletin 2192F and 2192M)
	R		UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
			UL Class RK1 / CSA HRCI-R	Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
Part No. Correlation	1	12	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	
	2		UL Class J / CSA HRCI-J	Ferraz Shawmut Type AJT	
	3	13	UL Class J / CSA HRCI-J	Bussmann Type LPJ	
	4		UL Class J / CSA HRCI-J	Littelfuse Type JTD_ID with Visual Blown Fuse Indication	
	5	14	UL Class RK1 / CSA HRCI-R	Ferraz Shawmut Type A6D	
	6		UL Class L / CSA HRCI-L	Ferraz Shawmut Type A4BT	
	7	15	UL Class RK1 / CSA HRCI-R	Bussmann Type LPS-RK	
	8	16	UL Class L / CSA HRCI-L	Bussmann Type KLU	
	9		Class C FORM II (CSA HRCII-C)	Ferraz Shawmut Types GIA, GIS, GCP, GF, GM & GLM	
Valid HP/ Fuse Clip Ratings	10	17	Valid Horsepower/Fuse Clip Rating - 460V		3-Phase Motor Applications (Bulletin 2106, 2112, 2112 vacuum, 2122, 2126, 2154F&G, 2172)
	11	18	Valid Horsepower/Fuse Clip Rating - 575V		

**Table C Combination Starter Units With 3-Phase Motor Applications**

UL Class CC / CSA HRCI-MISC. - Time Delay Motor Fuse - Littelfuse Type CCMR							
460V 3-Phase				575V 3-Phase			
Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating		Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating	
		Motor Acceleration Time				Motor Acceleration Time	
		Typical Time ≤5 sec.	Long Time > 5 sec.			Typical Time ≤5 sec.	Long Time > 5 sec.
0.125	0.30	1/2	1/2	0.125	0.25	1/4	1/2
0.25	0.60	1	1-1/4	0.25	0.50	8/10	1
0.33	0.70	1	1-1/2	0.33	0.60	1	1-1/4
0.5	1	1-1/2	2	0.5	0.80	1-1/2	1-1/2
0.75	1.4	2	3	0.75	1.1	2	2
1	1.8	3	4	1	1.4	2	3
1.5	2.6	4	5	1.5	2.1	3	4
2	3.4	5	6	2	2.7	4	6
3	4.8	8	10	3	3.9	6	8
5	7.6	10	15	5	6.1	10	12
7.5	11	15	25	7.5	9	15	20
10	14	20	30	10	11	15	20

**Table D Combination Starter Units With 3-Phase Motor Applications**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID							
460V 3-Phase				575V 3-Phase			
Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating		Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating	
		Motor Acceleration Time				Motor Acceleration Time	
		Typical Time ≤5 sec.	Long Time > 5 sec.			Typical Time ≤5 sec.	Long Time > 5 sec.
0.125	0.30	1	1	0.125	0.25	1	1
0.25	0.60	1	1	0.25	0.50	1	1
0.33	0.70	1	1-6/10	0.33	0.60	1	1
0.5	1	1-6/10	2	0.5	0.80	1-6/10	1-6/10
0.75	1.4	2-1/4	2-8/10	0.75	1.1	2	2-1/2
1	1.8	3-2/10	4	1	1.4	2-1/2	3
1.5	2.6	4-1/2	5-6/10	1.5	2.1	3-1/2	4-1/2
2	3.4	5	6	2	2.7	4	5
3	4.8	8	9	3	3.9	6	7
5	7.6	12	15	5	6.1	10	12
7.5	11	17-1/2	20	7.5	9	15	17-1/2
10	14	20	25	10	11	17-1/2	20
15	21	30	40	15	17	25	30
20	27	40	50	20	22	35	40
25	34	50	60	25	27	40	50
30	40	60	70	30	32	50	60
40	52	80	100	40	41	60	80
50	65	100	125	50	52	80	100
60	77	125	150	60	62	90	110
75	96	150	175	75	77	125	150
100	124	200	225	100	99	150	175
125	156	225	300	125	125	200	225
150	180	250	350	150	144	225	300
200	240	350	450	200	192	300	350
250	320	450	600	250	242	350	500
300	361	600	--	300	289	450	600
350	414	--	--	350	336	600	--
400	477	--	--	400	382	--	--
450	515	--	--	450	412	--	--
500	590	--	--	500	472	--	--

**Table E Combination Starter Units With 3-Phase Motor Applications**

UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Ferraz Shawmut Type A6D or Bussmann Type LPS-RK							
460V 3-Phase				575V 3-Phase			
Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating		Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating	
		Motor Acceleration Time				Motor Acceleration Time	
		Typical Time ≤5 sec.	Long Time > 5 sec.			Typical Time ≤5 sec.	Long Time > 5 sec.
0.125	0.30	1/2	1/2	0.125	0.25	2/10	1/2
0.25	0.60	1	1-1/4	0.25	0.50	8/10	1
0.33	0.70	1	1-4/10	0.33	0.60	1	1-1/4
0.5	1	1-6/10	2	0.5	0.80	1-4/10	1-6/10
0.75	1.4	2-1/4	2-8/10	0.75	1.1	2	2-1/2
1	1.8	3-2/10	4	1	1.4	2-1/2	3
1.5	2.6	4-1/2	5-6/10	1.5	2.1	3-1/2	4-1/2
2	3.4	5	6	2	2.7	4	5
3	4.8	7	9	3	3.9	6	7
5	7.6	12	15	5	6.1	9	12
7.5	11	17-1/2	20	7.5	9	15	17-1/2
10	14	20	25	10	11	17-1/2	20
15	21	30	40	15	17	25	30
20	27	40	50	20	22	35	40
25	34	50	60	25	27	40	50
30	40	60	70	30	32	50	60
40	52	80	100	40	41	60	80
50	65	100	125	50	52	80	100
60	77	125	150	60	62	90	110
75	96	150	175	75	77	125	150
100	124	200	--	100	99	150	175
125	156	225	300	125	125	175	225
150	180	250	350	150	144	225	300
200	240	350	--	200	192	300	350
250	302	450	600	250	242	350	500
300	361	600	--	300	289	450	600
350	414	--	--	350	336	600	--
400	477	--	--	400	382	--	--
450	515	--	--	450	412	--	--
500	590	--	--	500	472	--	--

**Table F Combination Starter Units With 3-Phase Motor Applications**

UL Class L / CSA HRCI-L - Time Delay Fuse - Ferraz Shawmut Type A4BT or Bussmann Type KLU							
460V 3-Phase				575V 3-Phase			
Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating		Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating	
		Motor Acceleration Time				Motor Acceleration Time	
		Typical Time ≤5 sec.	Long Time > 5 sec.			Typical Time ≤5 sec.	Long Time > 5 sec.
300	360	601	700	300	289	--	--
350	414	601	700	350	336	601	601
400	477	800	--	400	382	601	700
450	515	800	--	450	412	700	800
500	590	--	--	500	472	700	--

**Table G Combination Starter Units With 3-Phase Motor Applications**

Class C Form II Fuse - CSA HRCII-C - Ferraz Shawmut Types GIA (2-30A), GIS (40-60A), GCP (80-100A), GF (125-200A), GM (250-400A), and GLM (450-600A)							
460V 3-Phase				575V 3-Phase			
Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating		Motor HP	Full Load Amperes	Supplied Fuse Ampere Rating	
		Motor Acceleration Time				Motor Acceleration Time	
		Typical Time ≤5 sec.	Long Time > 5 sec.			Typical Time ≤5 sec.	Long Time > 5 sec.
0.125	0.30	2	2	0.125	0.25	2	2
0.25	0.60	2	4	0.25	0.50	2	2
0.33	0.70	4	4	0.33	0.60	2	4
0.5	1	4	4	0.5	0.80	4	4
0.75	1.4	6	6	0.75	1.1	4	4
1	1.8	6	6	1	1.4	6	6
1.5	2.6	10	10	1.5	2.1	6	6
2	3.4	10	15	2	2.7	10	10
3	4.8	15	15	3	3.9	15	15
5	7.6	20	20	5	6.1	15	20
7.5	11	25	30	7.5	9	20	25
10	14	30	30	10	11	25	30
15	21	40	50	15	17	30	40
20	27	50	60	20	22	40	50
25	34	80	80	25	27	50	60
30	40	80	80	30	32	60	80
40	52	80	100	40	41	80	80
50	65	100	125	50	52	80	100
60	77	125	125	60	62	100	125
75	96	150	150	75	77	125	125
100	124	200	--	100	99	150	150
125	156	250	250	125	125	200	200
150	180	250	300	150	144	200	250
200	240	300	350	200	192	250	300
250	296	350	400	250	237	300	350
300	354	400	450	300	284	350	400
350	410	450	500	350	328	400	450
400	467	500	600	400	374	450	500
450	520	--	--	450	416	500	600
500	--	--	--	500	462	500	600

**Table H Bulletin 2100D Miscellaneous Units with Fusible Disconnects**

UL Class CC / CSA HRCI-MISC. - Time Delay Fuse - Littelfuse Type CCMR	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30

**Table J Bulletin 2100D Miscellaneous Units with Fusible Disconnects**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30
60	35 40 45 50 60
	70 80 90 100
	110 125 150 175 200

**Table K Bulletin 2102H Full Voltage Lighting Contactors - High Harmonic Applications**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30
60	35 40 45 50 60
	70 80 90 100

**Table L Bulletin 2102L Full Voltage Lighting Contactors**

UL Class CC / CSA HRCI-MISC. - Time Delay Fuse - Littelfuse Type CCMR	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30



**Table M Bulletin 2102L Full Voltage Lighting Contactors**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30
60	1 3 6 10
	15 20 25 30 35
	40 45 50 60
100	35 40 45 50 60 70 80 90 100
	70 80 90 100 110 125 150 175 200
	110 125 150 175 200 225 250 300

**Table N Bulletin 2192F Fusible Disconnect Feeders**

UL Class CC / CSA HRCI-MISC. - Time Delay Fuse - Littelfuse Type CCMR	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30

**Table P Bulletin 2192F and 2192M Fusible Disconnect Feeders and Mains**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Ferraz Shawmut Type A6D or Bussmann Type LPS-RK	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
30	1 3 6 10
	15 20 25 30
60	35 40 45 50 60
	70 80 90 100
100	110 125 150 175 200
	225 250 300 350 400
200	450 500 600

**Table Q Bulletin 2192F and 2192M Fusible Disconnect Feeders and Mains**

UL Class L / CSA HRCI-L - Time Delay Fuse - Ferraz Shawmut Type A4BT or Bussmann Type KLU	
480V or 600V 3-Phase	
Disconnect Rating (Amperes)	Supplied Fuse Ampere Rating
800	601 700 800
1200	1000 1200
1600	1600
2000	2000

**Table R Bulletin 2196 Control and Lighting Transformers with Fusible Disconnects**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Ferraz Shawmut Type A6D or Bussmann Type LPS-RK			
480V 3-Phase		600V 3-Phase	
Transformer Rating	Supplied Fuse Ampere Rating	Transformer Rating	Supplied Fuse Ampere Rating
0.5 kVA 1Ø	2-1/2	0.5 kVA 1Ø	2
0.75 kVA 1Ø	3-1/2	0.75 kVA 1Ø	3
1 kVA 1Ø	5	1 kVA 1Ø	4
1.5 kVA 1Ø	7	1.5 kVA 1Ø	6
2 kVA 1Ø	10	2 kVA 1Ø	8
3 kVA 1Ø	15	3 kVA 1Ø	12
5 kVA 1Ø	25	5 kVA 1Ø	20
7.5 kVA 1Ø	30	7.5 kVA 1Ø	30
10 kVA 1Ø	30	10 kVA 1Ø	30
15 kVA 1Ø	60	15 kVA 1Ø	60
20 kVA 1Ø	60	20 kVA 1Ø	60
25 kVA 1Ø	60	25 kVA 1Ø	60
30 kVA 1Ø	100	30 kVA 1Ø	60
37.5 kVA 1Ø	100	37.5 kVA 1Ø	100
50 kVA 1Ø	200	50 kVA 1Ø	100
10 kVA 3Ø	30	10 kVA 3Ø	20
15 kVA 3Ø	30	15 kVA 3Ø	30
20 kVA 3Ø	30	20 kVA 3Ø	30
25 kVA 3Ø	60	25 kVA 3Ø	60
30 kVA 3Ø	60	30 kVA 3Ø	60
37.5 kVA 3Ø	60	37.5 kVA 3Ø	60
45 kVA 3Ø	100	45 kVA 3Ø	60

**Table 1 Part Number Correlation Tables**

UL Class CC / CSA HRCI-MISC. - Time Delay Fuse - Littelfuse Type CCMR					
Fuse Rating	Littelfuse Part Number	Allen-Bradley Part Number	Fuse Rating	Littelfuse Part Number	Allen-Bradley Part Number
1/4A	CCMR 1/4	25184-252-01	5A	CCMR 5	25184-252-14
1/2A	CCMR 1/2	25184-252-02	6A	CCMR 6	25184-252-16
8/10A	CCMR 8/10	25184-252-03	8A	CCMR 8	25184-252-20
1A	CCMR 1	25184-252-04	10A	CCMR 10	25184-252-22
1-1/4A	CCMR 1-1/4	25184-252-05	12A	CCMR 12	25184-252-23
1-1/2A	CCMR 1-1/2	25184-252-06	15A	CCMR 15	25184-252-24
2A	CCMR 2	25184-252-08	20A	CCMR 20	25184-252-25
3A	CCMR 3	25184-252-10	25A	CCMR 25	25184-252-26
4A	CCMR 4	25184-252-12	30A	CCMR 30	25184-252-27

**Table 2 Part Number Correlation Tables**

UL Class J / CSA HRCI-J - Time Delay Fuse - Ferraz Shawmut Type AJT					
Fuse Rating	Ferraz Shawmut Part Number	Allen-Bradley Part Number	Fuse Rating	Ferraz Shawmut Part Number	Allen-Bradley Part Number
1A	AJT1	25184-251-01	40A	AJT40	25184-251-10
1-1/4A	AJT1-1/4	25184-251-38	45A	AJT45	25184-251-11
1-6/10A	AJT1-6/10	25184-251-39	50A	AJT50	25184-251-12
1-8/10A	AJT1-8/10	25184-251-40	60A	AJT60	25184-251-13
2A	AJT2	25184-251-32	70A	AJT70	25184-251-14
2-1/4A	AJT2-1/4	25184-251-41	80A	AJT80	25184-251-15
3A	AJT3	25184-251-02	90A	AJT90	25184-251-16
3-1/2A	AJT3-1/2	25184-251-45	100A	AJT100	25184-251-17
4A	AJT4	25184-251-33	110A	AJT110	25184-251-18
4-1/2A	AJT4-1/2	25184-251-46	125A	AJT125	25184-251-19
5A	AJT5	25184-251-34	150A	AJT150	25184-251-20
5-6/10A	AJT5-6/10	25184-251-47	175A	AJT175	25184-251-21
6A	AJT6	25184-251-03	200A	AJT200	25184-251-22
8A	AJT8	25184-251-35	225A	AJT225	25184-251-23
10A	AJT10	25184-251-04	250A	AJT250	25184-251-24
12A	AJT12	25184-251-36	300A	AJT300	25184-251-25
15A	AJT15	25184-251-05	350A	AJT350	25184-251-26
17-1/2A	AJT17-1/2	25184-251-37	400A	AJT400	25184-251-27
20A	AJT20	25184-251-06	450A	AJT450	25184-251-28
25A	AJT25	25184-251-07	500A	AJT500	25184-251-29
30A	AJT30	25184-251-08	600A	AJT600	25184-251-30
35A	AJT35	25184-251-09			

**Table 3 Part Number Correlation Tables**

UL Class J / CSA HRCI-J - Time Delay Fuse Bussmann Type LPJ					
Fuse Rating	Bussmann Part Number	Allen-Bradley Part Number	Fuse Rating	Bussmann Part Number	Allen-Bradley Part Number
1A	LPJ-1 SP	25184-255-01	40A	LPJ-40 SP	25184-255-28
1-1/4A	LPJ-1-1/4 SP	25184-255-02	45A	LPJ-45 SP	25184-255-29
1-6/10A	LPJ-1-6/10 SP	25184-255-03	50A	LPJ-50 SP	25184-255-30
1-8/10A	LPJ-1-8/10 SP	25184-255-04	60A	LPJ-60 SP	25184-255-31
2A	LPJ-2 SP	25184-255-05	70A	LPJ-70 SP	25184-255-32
2-1/4A	LPJ-2-1/4 SP	25184-255-06	80A	LPJ-80 SP	25184-255-33
3A	LPJ-3 SP	25184-255-09	90A	LPJ-90 SP	25184-255-34
3-1/2A	LPJ-3-1/2 SP	25184-255-11	100A	LPJ-100 SP	25184-255-35
4A	LPJ-4 SP	25184-255-12	110A	LPJ-110 SP	25184-255-36
4-1/2A	LPJ-4-1/2 SP	25184-255-13	125A	LPJ-125 SP	25184-255-37
5A	LPJ-5 SP	25184-255-14	150A	LPJ-150 SP	25184-255-38
5-6/10A	LPJ-5-6/10 SP	25184-255-15	175A	LPJ-175 SP	25184-255-39
6A	LPJ-6 SP	25184-255-16	200A	LPJ-200 SP	25184-255-40
8A	LPJ-8 SP	25184-255-18	225A	LPJ-225 SP	25184-255-41
10A	LPJ-10 SP	25184-255-20	250A	LPJ-250 SP	25184-255-42
12A	LPJ-12 SP	25184-255-21	300A	LPJ-300 SP	25184-255-43
15A	LPJ-15 SP	25184-255-22	350A	LPJ-350 SP	25184-255-44
17-1/2A	LPJ-17-1/2 SP	25184-255-23	400A	LPJ-400 SP	25184-255-45
20A	LPJ-20 SP	25184-255-24	450A	LPJ-450 SP	25184-255-46
25A	LPJ-25 SP	25184-255-25	500A	LPJ-500 SP	25184-255-47
30A	LPJ-30 SP	25184-255-26	600A	LPJ-600 SP	25184-255-48
35A	LPJ-35 SP	25184-255-27			

**Table 4 Part Number Correlation Tables**

UL Class J / CSA HRCI-J - Time Delay Fuse w/ Visual Blown Fuse Indication Littelfuse Type JTD_ID					
Fuse Rating	Littelfuse Part Number	Allen-Bradley Part Number	Fuse Rating	Littelfuse Part Number	Allen-Bradley Part Number
1A	JTD 1 ID	25184-257-02	40A	JTD 40 ID	25184-257-30
1-1/4A	JTD 1-1/4 ID	25184-257-03	45A	JTD 45 ID	25184-257-31
1-6/10A	JTD 1-6/10 ID	25184-257-05	50A	JTD 50 ID	25184-257-32
1-8/10A	JTD 1-8/10 ID	25184-257-06	60A	JTD 60 ID	25184-257-33
2A	JTD 2 ID	25184-257-07	70A	JTD 70 ID	25184-257-34
2-1/4A	JTD 2-1/4 ID	25184-257-08	80A	JTD 80 ID	25184-257-35
3A	JTD 3 ID	25184-257-11	90A	JTD 90 ID	25184-257-36
3-1/2A	JTD 3-1/2 ID	25184-257-13	100A	JTD 100 ID	25184-257-37
4A	JTD 4 ID	25184-257-14	110A	JTD 110 ID	25184-257-38
4-1/2A	JTD 4-1/2 ID	25184-257-15	125A	JTD 125 ID	25184-257-39
5A	JTD 5 ID	25184-257-16	150A	JTD 150 ID	25184-257-40
5-6/10A	JTD 5-6/10 ID	25184-257-17	175A	JTD 175 ID	25184-257-41
6A	JTD 6 ID	25184-257-18	200A	JTD 200 ID	25184-257-42
8A	JTD 8 ID	25184-257-20	225A	JTD 225 ID	25184-257-43
10A	JTD 10 ID	25184-257-22	250A	JTD 250 ID	25184-257-44
12A	JTD 12 ID	25184-257-23	300A	JTD 300 ID	25184-257-45
15A	JTD 15 ID	25184-257-24	350A	JTD 350 ID	25184-257-46
17-1/2A	JTD 17-1/2 ID	25184-257-25	400A	JTD 400 ID	25184-257-47
20A	JTD 20 ID	25184-257-26	450A	JTD 450 ID	25184-257-48
25A	JTD 25 ID	25184-257-27	500A	JTD 500 ID	25184-257-49
30A	JTD 30 ID	25184-257-28	600A	JTD 600 ID	25184-257-50
35A	JTD 35 ID	25184-257-29			

**Table 5 Part Number Correlation Tables**

UL Class RK1 - CSA HRCI-R - Time Delay Fuse Ferraz Shawmut Type A6D					
Fuse Rating	Ferraz Shawmut Part Number	Allen-Bradley Part Number	Fuse Rating	Ferraz Shawmut Part Number	Allen-Bradley Part Number
2/10A	A6D2/10R	25183-261-03	20A	A6D20R	25183-261-33
1/2A	A6D1/2R	25183-261-06	25A	A6D25R	25183-261-34
8/10A	A6D8/10R	25183-261-08	30A	A6D30R	25183-261-35
1A	A6D1R	25183-261-09	35A	A6D35R	25183-262-01
1-1/4A	A6D1-1/4R	25183-261-11	40A	A6D40R	25183-262-02
1-4/10A	A6D1-4/10R	25183-261-12	45A	A6D45R	25183-262-03
1-6/10A	A6D1-6/10R	25183-261-13	50A	A6D50R	25183-262-04
1-8/10A	A6D1-8/10R	25183-261-14	60A	A6D60R	25183-262-05
2A	A6D2R	25183-261-15	70A	A6D70R	25183-263-01
2-1/4A	A6D2-1/4R	25183-261-16	80A	A6D80R	25183-263-02
2-1/2A	A6D2-1/2R	25183-261-17	90A	A6D90R	25183-263-03
3A	A6D3R	25183-261-36	100A	A6D100R	25183-263-04
3-2/10A	A6D3-2/10R	25183-261-19	110A	A6D110R	25183-263-05
3-1/2A	A6D3-1/2R	25183-261-20	125A	A6D125R	25183-263-06
4A	A6D4R	25183-261-21	150A	A6D150R	25183-263-07
4-1/2A	A6D4-1/2R	25183-261-22	175A	A6D175R	25183-263-08
5A	A6D5R	25183-261-23	200A	A6D200R	25183-263-09
5-6/10A	A6D5-6/10R	25183-261-24	225A	A6D225R	25183-263-10
6A	A6D6R	25183-261-37	250A	A6D250R	25183-263-11
7A	A6D7R	25183-261-26	300A	A6D300R	25183-263-12
8A	A6D8R	25183-261-27	350A	A6D350R	25183-263-13
9A	A6D9R	25183-261-28	400A	A6D400R	25183-263-14
10A	A6D10R	25183-261-29	450A	A6D450R	25183-263-15
12A	A6D12R	25183-261-30	500A	A6D500R	25183-263-16
15A	A6D15R	25183-261-31	600A	A6D600R	25183-263-17
17-1/2A	A6D17-1/2R	25183-261-32			

**Table 6 Part Number Correlation Tables**

UL Class L /CSA HRCI-L - Time Delay Fuse Ferraz Shawmut Type A4BT		
Fuse Rating	Ferraz Shawmut Part Number	Allen-Bradley Part Number
601A	A4BT601	25184-253-01
700A	A4BT700	25184-253-03
800A	A4BT800	25184-253-05
1000A	A4BT1000	25184-253-07
1200A	A4BT1200	25184-253-09
1600A	A4BT1600	25184-253-12
2000A	A4BT2000	25184-253-14

**Table 7 Part Number Correlation Tables**

UL Class RK1 /CSA HRCI-R - Time Delay Fuse Bussmann Type LPS-RK		
Fuse Rating	Bussmann Part Number	Allen-Bradley Part Number
2/10A	LPS-RK-2/10 SP	25183-249-03
1/2A	LPS-RK-1/2 SP	25183-249-06
8/10A	LPS-RK- 8/10 SP	25183-249-08
1A	LPS-RK-1 SP	25183-249-09
1-1/4A	LPS-RK-1-1/4 SP	25183-249-11
1-4/10A	LPS-RK-1-4/10 SP	25183-249-12
1-6/10A	LPS-RK-1-6/10 SP	25183-249-13
1-8/10A	LPS-RK-1-8/10 SP	25183-249-14
2A	LPS-RK-2 SP	25183-249-15
2-1/4A	LPS-RK-2-1/4 SP	25183-249-16
2-1/2A	LPS-RK-2-1/2 SP	25183-249-17
3A	LPS-RK-3 SP	25183-249-36
3-2/10A	LPS-RK-3-2/10 SP	25183-249-19
3-1/2A	LPS-RK-3-1/2 SP	25183-249-20
4A	LPS-RK-4 SP	25183-249-21
4-1/2A	LPS-RK-4-1/2 SP	25183-249-22
5A	LPS-RK-5 SP	25183-249-23
5-6/10A	LPS-RK-5-6/10 SP	25183-249-24
6A	LPS-RK-6 SP	25183-249-37
7A	LPS-RK-7 SP	25183-249-26
8A	LPS-RK-8 SP	25183-249-27
9A	LPS-RK-9 SP	25183-249-28
10A	LPS-RK-10 SP	25183-249-29
12A	LPS-RK-12 SP	25183-249-30
15A	LPS-RK-15 SP	25183-249-31
17-1/2A	LPS-RK-17-1/2 SP	25183-249-32
20A	LPS-RK-20 SP	25183-249-33
25A	LPS-RK-25 SP	25183-249-34
30A	LPS-RK-30 SP	25183-249-35
35A	LPS-RK-35 SP	25183-250-01
40A	LPS-RK-40 SP	25183-250-02
45A	LPS-RK-45 SP	25183-250-03
50A	LPS-RK-50 SP	25183-250-04
60A	LPS-RK-60 SP	25183-250-05
70A	LPS-RK-70 SP	25183-251-01
80A	LPS-RK-80 SP	25183-251-02
90A	LPS-RK-90 SP	25183-251-03
100A	LPS-RK-100 SP	25183-251-04
110A	LPS-RK-110 SP	25183-251-05
125A	LPS-RK-125 SP	25183-251-06
150A	LPS-RK-150 SP	25183-251-07
175A	LPS-RK-175 SP	25183-251-08
200A	LPS-RK-200 SP	25183-251-09
225A	LPS-RK-225 SP	25183-251-10
250A	LPS-RK-250 SP	25183-251-11
300A	LPS-RK-300 SP	25183-251-12
350A	LPS-RK-350 SP	25183-251-13
400A	LPS-RK-400 SP	25183-251-14
450A	LPS-RK-450 SP	25183-251-15
500A	LPS-RK-500 SP	25183-251-16
600A	LPS-RK-600 SP	25183-251-17

**Table 8 Part Number Correlation Tables**

UL Class L /CSA HRCI-L - Time Delay Fuse - Bussmann Type KLU		
Fuse Rating	Bussmann Part Number	Allen-Bradley Part Number
601A	KLU-601	25184-256-01
700A	KLU-700	25184-256-03
800A	KLU-800	25184-256-04
1000A	KLU-1000	25184-256-05
1200A	KLU-1200	25184-256-06
1600A	KLU-1600	25184-256-08
2000A	KLU-2000	25184-256-09

**Table 9 Part Number Correlation Tables**

Class C Form II - CSA HRCII-C Ferraz Shawmut Types GIA (2-30A), GIS (40-60A), GCP (80-100A), GF (125-200A), GM (250-400A), and GLM (450-600A)		
Fuse Rating	Ferraz Shawmut Part Number	Allen-Bradley Part Number
2A	GIA2	25172-261-01
4A	GIA4	25172-261-02
6A	GIA6	25172-261-03
10A	GIA10	25172-261-04
15A	GIA15	25172-261-05
20A	GIA20	25172-261-06
25A	GIA25	25172-261-07
30A	GIA30	25172-261-08
40A	GIS40	25172-261-10
50A	GIS50	25172-261-11
60A	GIS60	25172-261-12
80A	GCP80	25172-261-13
100A	GCP100	25172-261-14
125A	GF125	25172-262-03
150A	GF150	25172-262-04
200A	GF200	25172-262-05
250A	GM250	25172-263-01
300A	GM300	25172-263-02
350A	GM350	25172-263-03
400A	GM400	25172-263-04
450A	GLM450	25172-263-05
500A	GLM500	25172-263-06
600A	GLM600	25172-263-07



**Table 10 Valid Horsepower / Fuse Clip Rating When Supplying Power Fuses - 460V**

Horsepower	Typical Acceleration Time ≤5 sec. (Hp Code Suffix _T)			Long Acceleration Time > 5 sec. (Hp Code Suffix _L)		
	Fuse Clip Rating	Fuse Type ❶	Fuse Clip Designator	Fuse Clip Rating	Fuse Type ❶	Fuse Clip Designator
0.125-10	30A	CC J RK1 HRCII-C	20C 20J 20R 20E	30A	CC J RK1 HRCII-C	20C 20J 20R 20E
15	30A	J RK1	20J 20R	60A	J RK1 HRCII-C	20J 20R 20E
	60A	HRCII-C	20E		20E	
20	60A	J RK1 HRCII-C	20J 20R 20E	60A	J RK1 HRCII-C	20J 20R 20E
		J RK1	20J 20R		J RK1	20J 20R
25	60A	J RK1	20J 20R	60A	J RK1	20J 20R
	100A	HRCII-C	20E		100A	HRCII-C
30	60A	J RK1	20J 20R	100A	J RK1 HRCII-C	20J 20R 20E
	100A	HRCII-C	20E		HRCII-C	20E
40	100A	J RK1 HRCII-C	20J 20R 20E	100A	J RK1 HRCII-C	20J 20R 20E
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R 20E
50	100A	J RK1 HRCII-C	20J 20R 20E	200A	J RK1 HRCII-C	20J 20R 20E
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R 20E
60	200A	J RK1 HRCII-C	20J 20R 20E	200A	J RK1 HRCII-C	20J 20R 20E
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R 20E
75	200A	J RK1 HRCII-C	20J 20R 20E	200A	J RK1 HRCII-C	20J 20R 20E
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R 20E
100	200A	J RK1 HRCII-C	20J 20R 20E	400A	J	20J
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R 20E
125	400A	J RK1 HRCII-C	20J 20R ❷ 20E ❷	400A	J RK1 HRCII-C	20J 20R ❷ 20E ❷
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R ❷ 20E ❷
150	400A	J RK1 HRCII-C	20J 20R 20E	400A	J RK1 HRCII-C	20J 20R ❷ 20E ❷
		J RK1 HRCII-C	20J 20R 20E		J RK1 HRCII-C	20J 20R 20E
200	400A	J RK1 HRCII-C	20J 20R 20E	400A	J RK1 HRCII-C	20J 20R 20E
		J RK1 HRCII-C	20J 20R 20E		600A	J
250	400A	J RK1 HRCII-C	20J 20R 20E	400A	J RK1 HRCII-C	20J 20R 20E
	600A	J RK1 HRCII-C	20J 20R ❸ 20E	600A	J RK1 HRCII-C	20J 20R ❸ 20E
300	400A	J RK1 HRCII-C	20J 20R ❸ 20E	600A	J RK1 HRCII-C	20J 20R ❸ 20E
	600A	J RK1 HRCII-C	20J 20R ❸ 20E		600A	J RK1 HRCII-C
350	600A	L HRCII-C	20L ❹ 20E	600A	L HRCII-C	20L ❹ 20E
	800A	L	20L ❹	800A	L	20L ❹
400	600A	HRCII-C	20E ❹	600A	HRCII-C	20E ❹
	800A	L	20L ❹		HRCII-C	20E ❹

- ❶ HRCII-C fuses are available in Canada only and are **NOT UL Listed**.
- ❷ Option NOT valid on 2112 vacuum applications. Catalog number, second position (2L).
- ❸ Option NOT valid on 2112 vacuum applications. Catalog number, second position (2P).

**Table 11 Valid Horsepower / Fuse Clip Rating When Supplying Power Fuses - 575V**

Horsepower	Typical Acceleration Time ≤5 sec. (Hp Code Suffix _T)			Long Acceleration Time > 5 sec. (Hp Code Suffix _L)			
	Fuse Clip Rating	Fuse Type ❶	Fuse Clip Designator	Fuse Clip Rating	Fuse Type ❶	Fuse Clip Designator	
0.125-10	30A	CC	20C	30A	CC	20C	
		J	20J		J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E		HRCII-C	20E	
15	30A	J	20J	30A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E	60A	HRCII-C	20E	
20 - 25	60A	J	20J	60A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E		HRCII-C	20E	
30	60A	J	20J	60A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E	100A	HRCII-C	20E	
40	60A	J	20J	100A	J	20J	
		RK1	20R		RK1	20R	
	100A	HRCII-C	20E		HRCII-C	20E	
50	100A	J	20J	100A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E		HRCII-C	20E	
60	100A	J	20J	200A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E		HRCII-C	20E	
75-100	200A	J	20J	200A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E		HRCII-C	20E	
125	200A	J	20J	200A	HRCII-C	20E	
		RK1	20R	400A	J	20J	
		HRCII-C	20E		RK1	20R ❷	
150	200A	HRCII-C	20E	400A	J	20J	
	400A	J	20J		RK1	20R ❷ ❸	
		RK1	20R ❷		HRCII-C	20E ❷	
200	400A	J	20J	400A	J	20J	
		RK1	20R		RK1	20R	
		HRCII-C	20E		HRCII-C	20E	
250	400A	J	20J	400A	HRCII-C	20E	
		RK1	20R	600A	J	20J ❸	
		HRCII-C	20E				
300	400A	HRCII-C	20E	400A	HRCII-C	20E	
	600A	J	20J	600A	J	20J	
		RK1	20R		RK1	20R ❸	
350	400A	HRCII-C	20E	600A	HRCII-C	20E	
	600A	J	20J				
		RK1	20R ❹				
400-500	600A	HRCII-C	20E	600A	HRCII-C	20E	
	800A	L	20L ❹	800A	L	20L ❹	

- ❶ HRCII-C fuses are available in Canada only and are **NOT UL Listed**.
- ❷ Option NOT valid on 2112 vacuum applications. Catalog number, second position (2L).
- ❸ Option NOT valid on 2112 vacuum applications. Catalog number, second position (2N).
- ❹ Option NOT valid 2112 vacuum applications. Catalog number, second position (2P).

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