



CENTERLINE 2100 Motor Control Centers Power Fuses Specifications

Bulletin Numbers 2100D, 2102L, 2106, 2112, 2122, 2154F, 2154G, 2192F, 2192M, and 2196

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Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes.

Topic	Page
Removed information for Bulletin Numbers 2102H, 2126, 2172.	Throughout
Updated the available ampere rating for 200 A and 400 A disconnect switches.	Throughout

Application

The information in this publication applies to the selection of the following fuses:

- 3-phase motor power fuses in 460V and 575V applications
- power fuses in branch circuit or non-motor applications

See publication [2100-CA004](#) 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 2154F and 2154G combination solid-state controllers

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 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
- Class L/HRCI-L.

IMPORTANT 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).

IMPORTANT The Class R fuse is an RK1 and DOES NOT include the RK5 type. The RK5 type can 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 2](#)) which shows the types, manufacturer, and application.

The Allen-Bradley pre-selected motor application power fuses ([Table 3...7](#)), are based on the fuse manufacturer 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 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

Select the proper power fuse for branch circuit or non-motor applications ([Table 8...13](#)), 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 1](#).

A particular disconnect fuse clip rating allows for a particular range of fuse ratings, for example, a 60 ampere disconnect fuse clip accommodates fuse ratings from 31...60 amperes. In addition, the fuse selection tables only allow for 'standard ampere rating' fuses as defined in the NEC/CEC.

The pre-selected power fuses for control and lighting transformer applications ([Table 14](#)), 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 1 - Fuse Clip Rating

Fuse Size (A)	Fuse Clip Rating (A)
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 in this publication assist in determining fuse ratings and part number correlation:

Table 2 - Reference Table

Table Type	Table	Page Number	Fuse	Manufacturer and Type	Application
Fuse Ratings	Table 3	5	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	3-Phase Motor Applications (Bulletin 2106, 2112, 2112 vacuum, 2122, 2154F, 2154G)
	Table 4	5	UL Class J / CSA HRCI-J	Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
	Table 5	6	UL Class RK1 / CSA HRCI-R	Mersen Type A6D or Bussmann Type LPS-RK	
	Table 6	6	UL Class L / CSA HRCI-L	Mersen Type A4BT or Bussmann Type KLU	
	Table 7	7	Class C FORM II (CSA HRCII-C)	Mersen Types GIA, GIS, GCP, GF, GM, and GLM	
	Table 8	7	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	Miscellaneous Units with Fusible Disconnects (Bulletin 2100D)
	Table 9	8	UL Class J / CSA HRCI-J	Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
				UL Class RK1 / CSA HRCI-R	Mersen Type A6D or Bussmann Type LPS-RK
	Table 10	8	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	Bulletin 2102L - Full Voltage Lighting Contactors
	Table 11	9	UL Class J / CSA HRCI-J	Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	
				UL Class RK1 / CSA HRCI-R	
	Table 12	9	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	Fusible Disconnect Feeders (Bulletin 2192F)
	Table 13	10	UL Class J / CSA HRCI-J	Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID	Fusible Disconnect Feeders and Mains (Bulletin 2192F and 2192M)
				UL Class RK1 / CSA HRCI-R	
	Table 14	10	UL Class L / CSA HRCI-L	Mersen Type A4BT or Bussmann Type KLU	Control and Lighting Transformers with Fusible Disconnects (Bulletin 2196)
Table 15	11	UL Class J / CSA HRCI-J	Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID		
			UL Class RK1 / CSA HRCI-R	Mersen Type A6D or Bussmann Type LPS-RK	
Part No. Correlation	Table 16	11	UL Class CC / CSA HRCI-MISC.	Littelfuse Type CCMR	
	Table 17	11	UL Class J / CSA HRCI-J	Mersen Type AJT	
	Table 18	12	UL Class J / CSA HRCI-J	Bussmann Type LPJ	
	Table 19	12	UL Class J / CSA HRCI-J	Littelfuse Type JTD_ID with Visual Blown Fuse Indication	
	Table 20	13	UL Class RK1 / CSA HRCI-R	Mersen Type A6D	
	Table 21	13	UL Class L / CSA HRCI-L	Mersen Type A4BT	
	Table 22	14	UL Class RK1 / CSA HRCI-R	Bussmann Type LPS-RK	
	Table 23	14	UL Class L / CSA HRCI-L	Bussmann Type KLU	
	Table 24	15	Class C FORM II (CSA HRCII-C)	Mersen Types GIA, GIS, GCP, GF, GM, and GLM	
Valid HP/ Fuse Clip Ratings	Table 25	16	Valid Horsepower/Fuse Clip Rating - 460V		3-Phase Motor Applications (Bulletin 2106, 2112, 2112 vacuum, 2122, 2154F, 2154G)
	Table 26	17	Valid Horsepower/Fuse Clip Rating - 575V		

Table 3 - 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 4 - Combination Starter Units With 3-Phase Motor Applications

UL Class J / CSA HRCI-J - Time Delay Fuse - Mersen 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 5 - Combination Starter Units With 3-Phase Motor Applications

UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Mersen 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 6 - Combination Starter Units With 3-Phase Motor Applications

UL Class L / CSA HRCI-L - Time Delay Fuse - Mersen 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 7 - Combination Starter Units With 3-Phase Motor Applications

Class C Form II Fuse - CSA HRCI-C - Mersen 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 8 - 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 9 - Bulletin 2100D Miscellaneous Units with Fusible Disconnects

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

Table 10 - 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 11 - Bulletin 2102L Full Voltage Lighting Contactors

UL Class J / CSA HRCI-J - Time Delay Fuse - Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Mersen 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

Table 12 - 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 13 - Bulletin 2192F and 2192M Fusible Disconnect Feeders and Mains

UL Class J / CSA HRCI-J - Time Delay Fuse - Mersen Type AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Mersen 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
	35 40 45 50 60
	70 80 90 100
200	110 125 150 175 200
	225 250 300 350 400
	450 500 600

Table 14 - Bulletin 2192F and 2192M Fusible Disconnect Feeders and Mains

UL Class L / CSA HRCI-L - Time Delay Fuse - Mersen 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 15 - Bulletin 2196 Control and Lighting Transformers with Fusible Disconnects

UL Class J / CSA HRCI-J - Time Delay Fuse - Mersen AJT or Bussmann Type LPJ or Littelfuse Type JTD_ID UL Class RK1 / CSA HRCI-R - Time Delay Fuse - Mersen 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 16 - Part Number Correlation Tables

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

Table 17 - Part Number Correlation Tables

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

Table 18 - Part Number Correlation Tables

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

Table 19 - Part Number Correlation Tables

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

Table 20 - Part Number Correlation Tables

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

Table 21 - Part Number Correlation Tables

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

Table 22 - Part Number Correlation Tables

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

Table 23 - Part Number Correlation Tables

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

Table 24 - Part Number Correlation Tables

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

Table 25 - 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 (Amperes)	Fuse Type ⁽¹⁾	Fuse Clip Designator	Fuse Clip Rating (Amperes)	Fuse Type ⁽¹⁾	Fuse Clip Designator
0.125...10	30	CC J RK1 HRCII-C	20C 20J 20R 20E	30	CC J RK1 HRCII-C	20C 20J 20R 20E
15	30	J RK1	20J 20R	60	J RK1 HRCII-C	20J 20R 20E
	60	HRCII-C	20E			
20	60	J RK1 HRCII-C	20J 20R 20E	60	J RK1 HRCII-C	20J 20R 20E
25	60	J RK1	20J 20R	60	J RK1	20J 20R
	100	HRCII-C	20E	100	HRCII-C	20E
30	60	J RK1	20J 20R	100	J RK1 HRCII-C	20J 20R 20E
	100	HRCII-C	20E			
40	100	J RK1 HRCII-C	20J 20R 20E	100	J RK1 HRCII-C	20J 20R 20E
50	100	J RK1 HRCII-C	20J 20R 20E	200	J RK1 HRCII-C	20J 20R 20E
60	200	J RK1 HRCII-C	20J 20R 20E	200	J RK1 HRCII-C	20J 20R 20E
75	200	J RK1 HRCII-C	20J 20R 20E	200	J RK1 HRCII-C	20J 20R 20E
100	200	J RK1 HRCII-C	20J 20R 20E	400	J	20J
125	400	J RK1 HRCII-C	20J 20R ⁽²⁾ 20E ⁽²⁾	400	J RK1 HRCII-C	20J 20R ⁽²⁾ 20E ⁽²⁾
150	400	J RK1 HRCII-C	20J 20R 20E	400	J RK1 HRCII-C	20J 20R ⁽²⁾ 20E ⁽²⁾
200	400	J RK1 HRCII-C	20J 20R 20E	400	HRCII-C	20E
				600	J	20J
250	400	HRCII-C	20E	400	HRCII-C	20E
	600	J RK1	20J 20R ⁽³⁾	600	J RK1	20J 20R ⁽³⁾
300	400	HRCII-C	20E	600	HRCII-C	20E
	600	J RK 1	20J 20R ⁽³⁾			
	800	L	20L ⁽³⁾			
350	600	HRCII-C	20E	600	HRCII-C	20E
	800	L	20L?	800	L	20L?
400	600	HRCII-C	20E?	600	HRCII-C	20E?
	800	L	20L?			

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

Table 26 - 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 (Amperes)	Fuse Type ⁽¹⁾	Fuse Clip Designator	Fuse Clip Rating (Amperes)	Fuse Type ⁽¹⁾	Fuse Clip Designator
0.125...10	30	CC J RK1 HRCII-C	20C 20J 20R 20E	30	CC J RK1 HRCII-C	20C 20J 20R 20E
15	30	J RK1 HRCII-C ⁽¹⁾	20J 20R 20E	30	J RK1	20J 20R
				60	HRCII-C	20E
20...25	60	J RK1 HRCII-C	20J 20R 20E	60	J RK1 HRCII-C	20J 20R 20E
30	60	J RK1 HRCII-C	20J 20R 20E	60	J RK1	20J 20R
				100	HRCII-C	20E
40	60	J RK1	20J 20R	100	J RK1 HRCII-C	20J 20R 20E
	100	HRCII-C	20E			
50	100	J RK1 HRCII-C	20J 20R 20E	100	J RK1 HRCII-C	20J 20R 20E
60	100	J RK1 HRCII-C	20J 20R 20E	200	J RK1 HRCII-C	20J 20R 20E
75...100	200	J RK1 HRCII-C	20J 20R 20E	200	J RK1 HRCII-C	20J 20R 20E
				400	HRCII-C	20E
125	200	J RK1 HRCII-C	20J 20R 20E	200	J RK1	20J 20R ⁽²⁾
				400	HRCII-C	20E
150	200	HRCII-C	20E	400	J RK1 HRCII-C	20J 20R ^{(2) (3)} 20E ⁽²⁾
	400	J RK1	20J 20R ⁽²⁾			
200	400	J RK1 HRCII-C	20J 20R 20E	400	J RK1 HRCII-C	20J 20R 20E
250	400	J RK1 HRCII-C	20J 20R 20E	400	HRCII-C	20E
				600	J	20J ⁽³⁾
300	400	HRCII-C	20E	400	HRCII-C	20E
	600	J RK1	20J 20R	600	J RK1	20J 20R ⁽³⁾
350	400	HRCII-C	20E	600	HRCII-C	20E
	600	J RK1	20J 20R ⁽⁴⁾			
	800	L	20L ⁽⁴⁾			
400...500	600	HRCII-C	20E	600	HRCII-C	20E
	800	L	20L ⁽⁴⁾	800	L	20L ⁽⁴⁾

(1) HRCII-C fuses are available in Canada only and are NOT UL Listed.
 (2) Option NOT valid on 2112 vacuum applications. Catalog number, second position (2L).
 (3) Option NOT valid on 2112 vacuum applications. Catalog number, second position (2N).
 (4) Option NOT valid 2112 vacuum applications. Catalog number, second position (2P).

Notes:

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
CENTERLINE® 2100 Motor Control Centers Bulletin 1494U Disconnect Switch/Fuse Block Installation Instructions, publication 2100-IN095	Provides information to install a 30 A, 60 A, or 100 A Bulletin 1494U Disconnect Switch in a CENTERLINE 2100 motor control center unit.
CENTERLINE 2100 Motor Control Centers Bulletin 1494U Disconnect Switch/Fuse Block Installation Instructions, publication 2100-IN099	Provides information to install a 200 A or 400 A Bulletin 1494U Disconnect Switch in a CENTERLINE 2100 motor control center unit.
CENTERLINE 2100 Disconnect Switch Specifications Technical Data, publication 2100-TD035	Provides specification and dimension information for 1494U disconnect switch in a CENTERLINE 2100 motor control center unit.
CENTERLINE 2100 Motor Control Centers Program Guide, publication 2100-CA004	Provides guidelines for the configuration of CENTERLINE 2100 motor control centers.
American Standards, Configurations, and Ratings: Introduction to Motor Circuit Design, publication IC-AT001	Provides an overview of American motor circuit design based on methods that are outlined in the NEC.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication IC-TD002	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication SGI-1.1	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, rok.auto/certifications .	Provides declarations of conformity, certificates, and other certification details.

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