Cooper Bussmann Branch Circuit, Low Voltage Power Distribution Fuses

Classes of Fuses

Safety is the industry mandate. However, proper selection, overall functional performance and reliability of a product are factors which are not within the basic scope of listing agency activities. In order to develop their safety test procedures, listing agencies develop basic performance and physical specifications or standards for a product. In the case of fuses, these standards have culminated in the establishment of distinct classes of low-voltage (600 volts or less) fuses, Classes RK1, RK5, G, L, T, J, H and CC being the more important.

The fact that a particular type of fuse has, for instance, a classification of RK1, does not signify that it has the identical function or performance characteristics as other RK1 fuses. In fact, the Limitron non-time-delay fuse and the Low-Peak dual-element, time-delay fuse are both classified as RK1. Substantial difference in these two RK1 fuses usually require considerable difference in sizing. Dimensional specifications of each class of fuse does serve as a uniform standard.

Class R Fuses

Class R ("R" for rejection) fuses are high performance, ⅒ to 600A units, 250V and 600V, having a high degree of current-limitation and a short-circuit interrupting rating of up to 300,000A (RMS symmetrical). Cooper Bussmann Class R's include Classes RK1 Low-Peak and Limitron fuses, and RK5 Fusetron fuses. They have replaced Cooper Bussmann K1 Low-Peak and Limitron fuses and K5 Fusetron fuses. These fuses are identical, with the exception of a modification in the mounting configuration called a "rejection feature". This feature permits Class R to be mounted in rejection type fuse-clips. "R" type fuseclips prevent older type Class H, ONE-TIME and RENEWABLE fuses from being installed. Since Class H fuses are not current-limiting and are recognized by regulatory agencies as having only a 10,000A interrupting rating, serious damage could result if a Class R fuse were replaced by a Class H fuse. The use of Class R fuse holders is thus an important safeguard. The application of Class R fuses in such equipment as disconnect switches permits the equipment to have a high short-circuit current rating. NEC® 110.9 requires that protective devices have adequate capacity to interrupt short-circuit currents. NEC® 240.60(B) requires fuse holders for current-limiting fuses to reject non-current-limiting type fuses.

In the above illustration, the fuse on the right has a grooved ring in one ferrule, providing the rejection feature of the Class R fuse in contrast to the lower interrupting rating, non-rejection type.

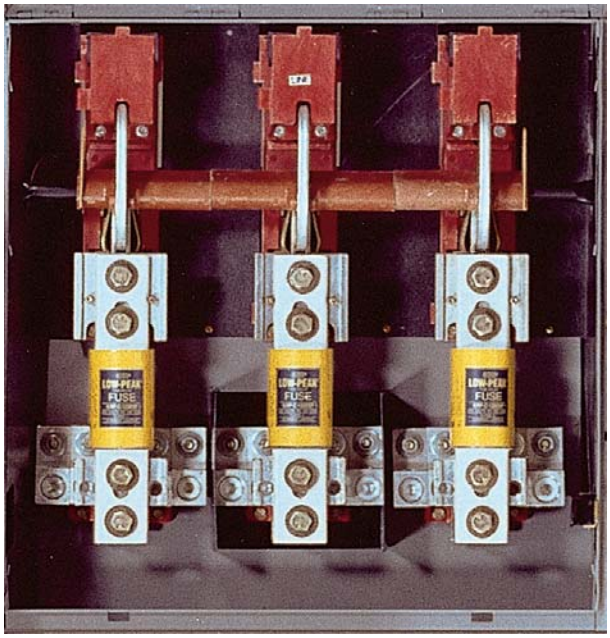
The illustration above shows Class R type fuse rejection clips, which accept only the Class R rejection type fuses.

Branch-Circuit Listed Fuses

Branch-circuit listed fuses are designed to prevent the installation of fuses that cannot provide a comparable level of protection for equipment.

The characteristics of branch-circuit fuses are:

1. They must have a minimum interrupting rating of 10,000A.
2. They must have a minimum voltage rating of 125V.
3. They must be size rejecting such that a fuse of a lower voltage rating cannot be installed in the circuit.
4. They must be size rejecting such that a fuse with a current rating higher than the fuse holder rating cannot be installed.



Cooper Bussmann high performance fuses are used in tens of thousands of industrial plants, commercial buildings, and homes throughout the world.

Cooper Bussmann Branch Circuit, Power Distribution Fuses

Good

Low-Peak® Fuses* Now Offer Indication That's As Clear As Black And White

Low-Peak current-limiting fuses offer optional permanent replacement fuse indication. The indicator is either black or white; no in between coloring so no second-guessing whether to replace the fuse or not.

Replace

Proven Technology

Low-Peak fuses offer the same replacement fuse indication technology that 's proven itself on the Cooper Bussmann CUBEFuse™ fuse and fuse holder system. It's the most reliable technology on the market today.

* Indication available on Cooper Bussmann LPJ_SPI, LPN-RK_SPI (250V) and LPS-RK_SPI (600V).

Low-Peak (Time-Delay)

KRP-C_SP (600Vac), 601 to 6000A, Current-Limiting STD 248-10 Class L

UL Guide #JFHR, UL File #E56412, 300,000AIR ac, 601-2000A (300Vdc 100,000AIR), CSA Class #1422-02, CSA File #53787, 200,000AIR ac

The all-purpose fuse for both overload and short circuit protection of high capacity systems (mains and large feeders). Time-delay (minimum of four seconds at five times amp rating) for close sizing. Unlike fast-acting fuses, time-delay fuses pass harmless surge currents of motors, transformers, etc., without overfusing or any sacrifice of short-circuit current limitation (component protection). The combination use of 1/10 to 600A Low-Peak dual-element time-delay fuses and 601 to 6000A KRP-C Low-Peak fuses is recommended as a total system specification. Easily selectively coordinated for blackout protection. Size of upstream fuse need only be twice that of downstream Low-Peak fuses (2:1 ratio). Low-Peak fuses can reduce bus bracing; protect circuit breakers with low interrupting rating as well as provide excellent overall protection of circuits and loads.

Data Sheet No. 1008, 1009

Low-Peak (Dual-Element, Time-Delay)

LPJ_SP (600Vac), 1 to 600A, Current-Limiting, STD 248-8 Class J

UL Guide #JFHR, UL File #E56412, 300,000AIR ac, 1 to 600A (300Vdc 100,000AIR), CSA Class #1422-02, CSA File #53787, 200,000AIR ac

Space saving LPJ fuses have the advantage of time- delay, permitting them to pass temporary overloads, offering overload, back-up overload, and short circuit protection. Ideal for IEC starter protection.

Data Sheet No. 1006, 1007

Low-Peak (Time-Delay)

LP-CC (600Vac), ½ to 30A Current-Limiting 200,000AIR ac,
STD 248-4 Class CC

UL Guide #JDDZ, UL File #E4273, ½ -2.25A (300Vdc 20,000AIR), 3-15A (150Vdc 20,000AIR), 20-30A (300Vdc 20,000AIR), CSA Class #1422-02, CSA File #53787

The Cooper Bussmann Low-Peak Class CC fuse (LP-CC) was developed specifically for a growing need in the industry - a compact, space saving branch circuit fuse for motor circuits.

Data Sheet No. 1023

Low-Peak (Dual-Element, Time-Delay)

LPS-RK_SP (600Vac), LPN-RK_SP (250Vac), 1/10 to 600A, Current-Limiting, STD 248-12 Class RK1

LPN-RK_SP 0-60A (125Vdc, 50,000AIR), 65-600A (250Vdc, 50,000AIR), LPS-RK_SP 0-600A (300Vdc, 50,000AIR)

UL Guide #JFHR, UL File #E56412, 300,000AIR ac, CSA Class #1422-02, CSA File #53787, 200,000AIR ac

High performance, all-purpose fuses. Provide the very high degree of short circuit limitation of Limitron fuses plus the overload protection of Fusetron fuses in all types of circuits and loads. Can be closely sized to full-load motor currents for reliable motor overload protection, as well as backup protection. Close sizing permits the use of smaller and more economical switches (and fuses); better selective coordination against blackouts; and a greater degree of current-limitation (component protection), Low-Peak fuses are rejection type but also fit non-rejection type fuse holders. Thus, can be used to replace Class H, K1, K5, RK5 or other RK1 fuses.

Data Sheet No. 1001, 1002, 1003, 1004

CUBEFuse™ (Dual-Element, Time-Delay)

TCF (600Vac), 1 to 100A, Current-Limiting, UL Listed Special Purpose Fuse, STD 248-8 Class J Performance

UL Guide # JFHR, UL File # E56412, 300,000AIR ac, (300Vdc – 100,000AIR), CSA Class #1422-02, CSA File #53787, 200,000AIR ac, (300VDC – 100,000AIR)

TCF fuses meet UL Class J Time-Delay electrical performance requirements. It is the world's first finger-safe fuse with the smallest installed footprint of any power class fuse including Class J, CC, T and R fuses. Satisfies requirements of IEC 60529 for IP-20 finger safe rating and provides TYPE 2 "no damage" protection for motor starters when sized properly. The TCF provides open fuse indication and is 35mm DIN rail and panel mountable.

Data Sheet No. 9000

Fusetron® (Dual-Element, Time-Delay)

FRS-R (600Vac), FRN-R (250Vac), 1/10 to 600A, 200,000AIR ac, FRN-R 0-600A (125Vdc, 20,000AIR), FRS-R 0-600A (300Vdc, 20,000AIR), Current-Limiting
STD 248-12 Class RK5

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-02, CSA File #53787

Time-delay affords the same excellent overload protection as Low-Peak fuses of motors and other type loads and circuits having temporary inrush currents such as those caused by transformers and solenoids. (In such circuits, Limitron fuses can only provide short circuit protection). Fusetron fuses are not as fast-acting on short circuits as Low-Peak fuses and therefore cannot give as high a degree of component short circuit protection. Like the Low-Peak fuse, Fusetron fuses permit the use of smaller size and less costly switches. Fusetron fuses fit rejection type fuse holders and can also be installed in holders for Class H fuses. They can physically and electrically replace Class H, K5, and other Class RK5 fuses.

Data Sheet No. 1017, 1018, 1019, 1020

For Data Sheets: www.cooperbussmann.com

Cooper Bussmann Branch Circuit, Power Distribution Fuses

T-Tron® (Fast-Acting)

JJS (600Vac) 1-800A, JJN (300Vac) 1-1200A, 200,000AIR ac Current-Limiting STD 248-15 Class T

UL Guide #JDDZ, UL File #E4273, JJN 15-600A (160Vdc, 20,000AIR), JJN 601-1200A (170Vdc 100,000AIR)

CSA Class #1422-02, CSA File #53787

The space-savers. Counter-part of the KTN-R/KTS-R Limitron fuses, but only one-third the size; thus, particularly suited for critically restricted space. A single-element fuse; extremely fast-acting. Provides a high degree of current limitation on short circuits for excellent component protection. Must be oversized in circuits with inrush currents common to motors, transformers, and other inductive components (will give only short circuit protection).

Data Sheet No. 1029, 1025

Limitron® (Fast-Acting)

KTU (600Vac), 601 to 6000A, 200,000AIR ac, Current-Limiting STD 248-10 Class L

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-02, CSA File #53787

Single-element fuses with no intentional time-delay. Very fast-acting with a high degree of current limitation; provide excellent component protection. Can be used for short circuit protection in circuits with inrush currents. Must be oversized to prevent opening by the temporary harmless overloads with some sacrifice of current limitation. In motor circuits, is sized at approximately 300% of motor full-load current.

Data Sheet No. 1010

Limitron (Time-Delay)

KLU (600Vac), 601 to 4000A, 200,000AIR ac, Current-Limiting STD 248-10 Class L

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-02, CSA File #53787

5 second delay (minimum) at 500% of rated current. Not as current-limiting as KRP-C_SP or KTU fuses.

Data Sheet No. 1013

Limitron (Fast-Acting)

KTK-R (600Vac), 1/10 to 30A, 200,000AIR ac, Current-Limiting STD 248-4 Class CC

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-02

CSA File #53787,

A very small, high performance, fast-acting, single-element fuse for protection of branch circuits, motor control circuits, lighting ballasts, street lighting fixtures. A diameter of only 13/32 and a length of 1 1/2 inch give cost and space savings. A grooved ferrule permits mounting in "rejection" type fuse holders as well as standard non-rejection type holders.

Data Sheet No. 1015

CC-Tron® (Time-Delay)

FNQ-R (600Vac), 1/4 to 30A, 200,000AIR ac Current-Limiting STD 248-4 Class CC

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-01, CSA File #53787

Ideal for control transformer protection. Can be sized to meet requirements of NEC® 430.72 and UL 508. Its miniature design and branch circuit rating allow it to be used for motor branch circuit and short circuit protection required by NEC® 430.52.

Data Sheet No. 1014

Limitron (Fast-Acting)

JKS (600Vac), 1 to 600A, 200,000AIR ac Current-Limiting STD 248-8 Class J

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-02, CSA File #53787

JKS Limitron fuses are basically the same as RK1 Limitron fuses but smaller in physical size. JKS fuses are single-element units with no intentional time-delay and are thus best applied in circuits free of the temporary overloads of motor and transformer surges. The smaller dimensions of Class J fuses prevent their replacement with conventional fuses.

Data Sheet No. 1026, 1027

Limitron (Fast-Acting)

KTS-R (600Vac), KTN-R (250Vac), 1 to 600A, 200,000AIR ac Current-Limiting STD 248-12 Class RK1

UL Guide #JDDZ, UL File #E4273, CSA Class #1422-02, CSA File #53787

Single-element, fast-acting fuses with no intentional time-delay. The same basic performance of the 601-6000A KTU fast-acting Limitron fuses. Provide a high degree of short-circuit current limitation (component protection). Particularly suited for circuits and loads with no heavy surge currents of motors, transformers, solenoids, and welders. Limitron fuses are commonly used to protect circuit breakers with lower interrupting ratings. If used in circuits with surge currents (motors, etc.), must be oversized to prevent opening and, thus, only provide short circuit protection. Incorporate Class R rejection feature. Can be inserted in non-rejection type fuse holders. Thus, can physically and electrically replace fast-acting Class H, K1, K5, RK5, and other RK1 fuses.

Data Sheet No. 1044, 1043

Type SC (½-6A Fast-Acting, 8-60A Time-Delay)

SC 100,000AIR ac, ½ -20A (600Vac), 25-60A (480Vac) STD 248-5 Class G

UL Guide #JDDZ, UL File #E4273 0-20A (170Vdc 10,000AIR), 25-30A (300Vdc 10,000AIR), 35-60A (300Vdc 10,000AIR)

CSA Class #1422-01, CSA File #53787

A high performance general-purpose branch circuit fuse for lighting, appliance, and motor branch circuits. Fuse diameter is 13/32; lengths vary with amp rating from 1 5/16 to 2 1/4 inches (serves as rejection feature and, thus, prevents oversizing).

Data Sheet No. 1024

Dura-Lag® (Time-Delay)

Construction Grade Fuses, DLS-R (600Vac)

DLN-R (250Vac) 1 to 600A, 200,000AIR ac, Current-Limiting STD 248-12 Class RK5

UL Guide #JDDZ, UL File # E4273, CSA Class #1422-02

CSA File #53787

Designed for contractor needs. Protects industrial equipment and large motors. Recommended for ac power distribution system mains, feeders and branch circuits. Industry standard time delay of 10 seconds at 5 times the fuse rating.

Data Sheet No. 1021, 1022

For Data Sheets: www.cooperbussmann.com

COOPER Bussmann

Branch Circuit Fuse Selection Chart (600V or less)

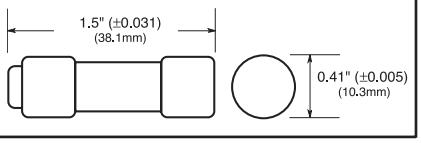
	Circuit	Load	Ampere Rating	Fuse Type	Symbol	Voltage Rating (AC)	Class	Interrupting Rating (kA)	Remarks
		Conventional Dimensions—Class RK1, RK5 (0-600A), L (601-6000A)							
100,000A Interrupting Rating (RMS symmetrical) or Greater, Current-Limiting	Main, Feeder and Branch	All type loads (optimum overcurrent protection).	0 to 600A	Low-Peak® (dual-element, time-delay)	**LPN-RK_SP** **LPS-RK_SP**	250V 600V	RK1††	300	All-purpose fuses. Unequaled for combined short-circuit and overload protection. (Specification grade product)
			601 to 6000A	Low-Peak (time-delay)	**KRP-C_SP**	600V	L	300	
		Motors, welder, transformers, capacitor banks (circuits with heavy inrush currents).	0 to 600A	Fusetron® (dual-element, time-delay)	**FRN-R** **FRS-R**	250V 600V	RK5††	200	Moderate degree of current-limitation. Time-delay passes surge-currents.
			0 to 600A	Dura-Lag® (dual-element, time-delay)	**DLN-R** **DLS-R**	250V 600V	RK5	200	
			601 to 4000A	Limitron® (time-delay)	**KLU**	600V	L	200	All-purpose fuse. Time-delay passes surge-currents.
		Non-motor loads (circuits with no heavy inrush currents). LIMITRON fuses particularly suited for circuit breaker protection.	0 to 600A	Limitron (fast-acting)	**KTN-R** **KTS-R**	250V 600V	RK1††	200	Same short-circuit protection as Low-Peak fuses but must be sized larger for circuits with surge-currents; i.e., up to 300%.
			601 to 6000A		**KTU**	600V	L	200	A fast-acting, high performance fuse
		Reduced Dimensions For Installation in Restricted Space—CUBEFuse (0-100A), Class J (0-600A), T (0-1200A), CC (0-30A), G (0-60A)							
		All type loads (optimum overcurrent protection).	0 to 100A	CUBEFuse™ (finger-safe, dual-element, time-delay)	**TCF**	600V	J***	300	Finger-safe. All-purpose fuses. Unequaled for combined short-circuit and overload protection. (Specification grade product)
		All type loads (optimum overcurrent protection).	0 to 600A	Low-Peak (dual-element, time-delay)	**LPJ_SP**	600V	J	300	All-purpose fuses. Unequaled for combined short-circuit and overload protection. (Specification grade product)
		Non-motor loads (circuits with no heavy inrush currents).		Limitron (quick-acting)	**JKS**	600V	J	200	Very similar to KTS-R Limitron, but smaller.
			0 to 1200A	T-Tron (fast-acting)	**JJN** **JJS**	300V 600V	T	200	The space saver (⅓ the size of KTN-R/KTS-R).
	Branch	Motor loads (circuits with heavy inrush currents.)	0 to 30A	Low-Peak (time-delay)	**LP-CC**	600V	CC	200	Very compact (13/32″ x 1½″); rejection feature. Excellent for motor circuit protection.
		Non-motor loads (circuits with no heavy inrush currents.)	0 to 30A	Limitron (fast-acting)	**KTK-R**	600V	CC	200	Very compact (13/32″ x 1½″); rejection feature. Excellent for outdoor highway lighting.
		Control transformer circuits and lighting ballasts; etc.	0 to 30A	Tron® (time-delay)	**FNQ-R**	600V	CC	200	Very compact (13/32″ x 1½″); rejection feature. Excellent for control transformer protection.
		General purpose; i.e., lighting panelboards.	0 to 60A	SC	**SC**	0-20A 600V 21-60A 480V	G	100	Current limiting; 13/32″ dia. x varying lengths per amp rating.
10,000–50,000 AIC		Miscellaneous	0 to 600A	One-Time	**NON** **NOS**	250V 600V	H or K5†	10	Forerunners of the modern cartridge fuse.
	General Purpose (non-current limiting fuses)	Plug fuses can be used for branch circuits and small component protection.	0 to 30A	Fustat (dual-element, time-delay)	**S**	125V	S	10	Base threads of Type S differ with amp ratings (size rejecting). T and W have Edison® base. T & S fuses recommended for motor circuits. W not recommended for circuits with motor loads.
				Fusetron (dual-element, time-delay)	**T**	125V	**	10	
			½ to 12A	Type W	**W**	125V	**	10	

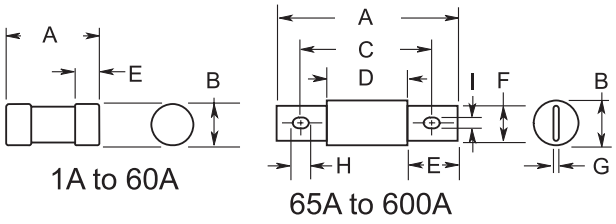
** UL Listed as Edison® Base Plug Fuse.
†Some ampere ratings are available as U.L. Class K5 with a 50,000A interrupting rating.
††RK1 and RK5 fuses fit standard switches, equipped for non-rejection fuses (K1, K5 and H) fuseblocks and holders; however, the rejection feature of Class R switches and fuse blocks designed specifically for rejection type fuses (RK1 and RK5) prevent the insertion of the non-rejection fuses (K1, K5, and H).
***Class J performance, special finger-safe dimensions.

Branch Circuit Fuse Dimensions

Class CC - in (mm)

LP-CC, FNQ-R & KTK-R





1A to 60A

65A to 600A

Class J Dimensions - in (mm)

Low-Peak, Limitron and Drive Fuses

LPJ, JKS & DFJ — 600V

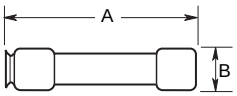
Amp Range	A	B	C	D	E	F	G	H	I
1-30	2.25 (57.2)	0.81 (20.6)	—	—	0.50 (12.7)	—	—	—	—
35-60	2.38 (60.3)	1.06 (27.0)	—	—	0.63 (15.9)	—	—	—	—
65-100	4.63 (117.5)	1.13 (28.6)	3.63 (92.1)	2.63 (66.7)	1.00 (25.4)	0.75 (28.6)	0.13 (3.2)	0.41 (10.4)	0.28 (7.1)
110-200	5.75 (146.1)	1.63 (41.4)	4.38 (111.1)	3.00 (76.2)	1.38 (34.9)	1.13 (28.6)	0.19 (4.8)	0.38 (9.5)	0.28 (7.1)
225-400	7.12 (181.0)	2.11 (53.6)	5.25 (133.3)	1.51 (38.3)	1.87 (47.6)	1.62 (41.2)	0.25 (6.4)	0.56 (14.2)	0.40 (10.3)
450-600	8.00 (203.2)	2.60 (66.0)	6.00 (152.4)	1.52 (38.6)	2.12 (54.0)	2.00 (50.8)	0.53 (13.5)	0.72 (18.3)	0.53 (13.5)

CLASS RK1 & RK5 - in (mm)

Basic dimensions are same as Class H (formerly NEC) One-Time (NON & NOS) and Superlag Renewable RES & REN fuses. NOTE: These fuses can be used to replace existing Class H, RK1 and RK5 fuses relating to dimensional compatibility.

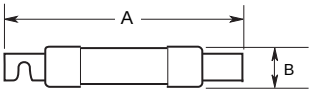
Ferrule Styles

Amp	250V		600V	
Range	A	B	A	B
1/10-30	2 (50.8)	0.56 (14.3)	5.0 (127.0)	0.81 (20.6)
35-60	3 (76.2)	0.81 (20.6)	5.5 (139.7)	1.06 (27.0)



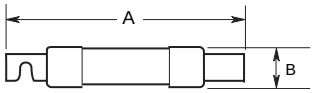
Fusetron — (FRN-R & FRS-R) & Limitron — (KTN-R & KTS-R)

Amp	250V		600V	
Range	A	B	A	B
70-100	5.88 (149.2)	1.06 (26.9)	7.88 (200.0)	1.34 (34.0)
110-200	7.13 (181.0)	1.56 (39.6)	9.63 (244.5)	1.84 (46.7)
225-400	8.63 (219.1)	2.06 (52.3)	11.63 (295.3)	2.59 (65.8)
450-600	10.38 (263.5)	2.59 (65.8)	13.38 (339.7)	3.13 (79.5)



Low-Peak — (LPN-RK & LPS-RK)

Amp	250V		600V	
Range	A	B	A	B
70-100	5.88 (149.2)	1.16 (29.5)	7.88 (200.0)	1.16 (29.5)
110-200	7.13 (181.0)	1.66 (42.2)	9.63 (244.5)	1.66 (42.2)
225-400	8.63 (219.1)	2.38 (60.5)	11.63 (295.3)	2.38 (60.5)
450-600	10.38 (263.5)	2.88 (73.2)	13.38 (339.7)	2.88 (73.2)



Class T - in (mm)

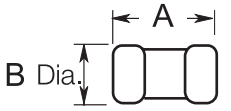
T-Tron Fuses

JJN — 300V

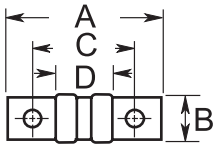
Amp Range	A	B	C	D
1-30	0.88 (22.2)	0.41 (10.3)	—	—
35-60	0.88 (22.2)	0.56 (14.3)	—	—
70-100	2.16 (54.8)	0.75 (19.1)	1.56 (39.7)	0.84 (21.4)
110-200	2.44 (61.9)	0.88 (22.2)	1.69 (42.9)	0.84(21.4)
225-400	2.75 (69.9)	1.00 (25.4)	1.84 (46.8)	0.86 (21.8)
450-600	3.06 (77.8)	1.25 (31.8)	2.03 (51.6)	0.88 (22.2)
601-800	3.38 (85.7)	1.75 (44.5)	2.22 (56.4)	0.89 (22.6)
801-1200	4.00 (101.6)	2.00 (50.8)	2.53 (64.3)	1.08 (27.4)

JJS — 600V

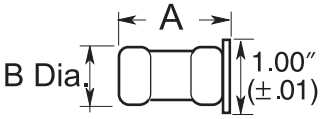
Amp Range	A	B	C	D
1-30	1.50 (14.3)	0.56 (38.1)	—	—
35-60	1.56 (20.6)	0.81 (39.7)	—	—
70-100	2.95 (19.1)	0.75 (75.0)	2..36 (59.9)	1.64 (41.7)
110-200	3.25 (22.2)	0.88 (82.6)	2.50 (63.5)	1.66 (42.1)
225-400	3.63 (25.4)	1.00 (92.1)	2.72 (69.1)	1.73 (44.1)
450-600	3.98 (31.8)	1.25 (101.2)	2.96 (75.0)	1.78 (45.2)
601-800	4.33 (44.5)	1.75 (109.9)	3.17 (80.6)	1.88 (47.6)



JJN 1A to 60A
JJS 1A to 30A



JJN 70A to 1200A
JJS 70A to 800A



JJS 35A to 60A

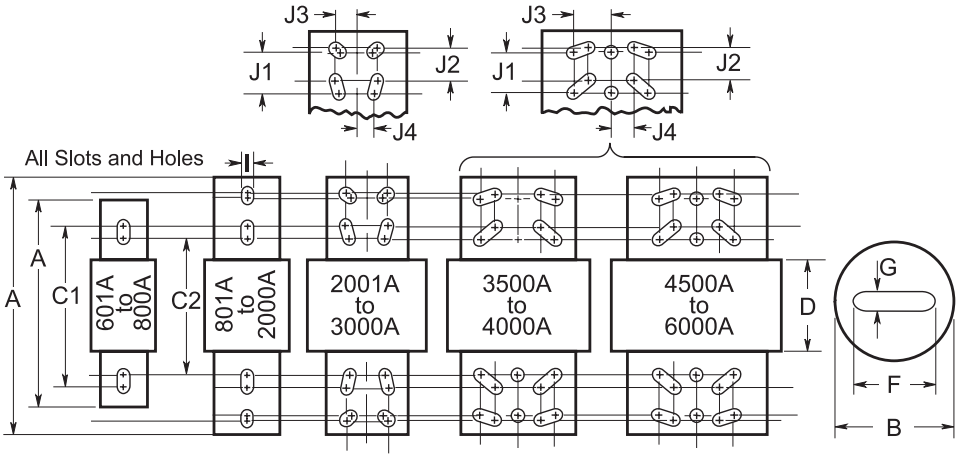
Branch Circuit Fuse Dimensions

Class L - in (mm)

Low-Peak and Limitron Fuses

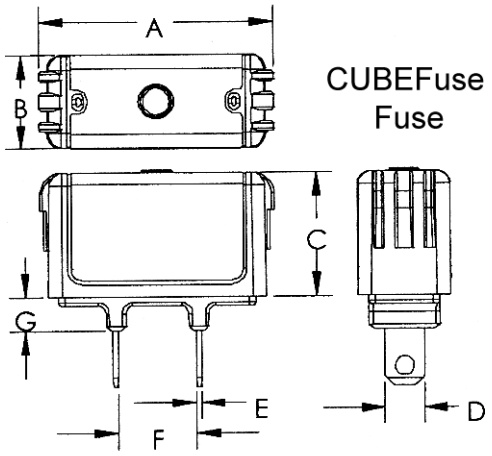
Amp Range	A	B	C1	C2	D	F	G	I	J1	J2	J3	J4
601-800	8.63 (219.1)	2.40 (61.0)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	2.00 (50.8)	0.38 (9.5)	0.63 (15.9)	—	—	—	—
801-1200	10.75 (273.1)	2.40 (61.0)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	2.00 (50.8)	0.38 (9.5)	0.63 (15.9)	—	—	—	—
1350-1600	10.75 (273.1)	3.00 (76.2)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	2.38 (60.3)	0.44 (11.1)	0.63 (15.9)	—	—	—	—
1800-2000	10.75 (273.1)	3.50 (88.9)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	2.75 (69.9)	0.50 (12.7)	0.63 (15.9)	—	—	—	—
2001-2500	10.75 (273.1)	4.80 (122.0)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	3.50 (88.9)	0.75 (19.1)	0.63 (15.9)	1.75 (44.5)	1.38 (34.9)	0.88 (22.2)	0.81 (20.6)
3000	10.75 (273.1)	5.00 (127.0)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	4.00 (101.6)	0.75 (19.1)	0.63 (15.9)	1.75 (44.5)	1.38 (34.9)	0.88 (22.2)	0.81 (20.6)
3500-4000	10.75 (273.1)	5.75 (146.1)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	4.75 (120.7)	0.75 (19.1)	0.63 (15.9)	1.75 (44.5)	1.38 (34.9)	1.63 (41.3)	0.88 (22.2)
4500-5000	10.75 (273.1)	6.25 (158.8)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	5.25 (133.4)	1.00 (25.4)	0.63 (15.9)	1.75 (44.5)	1.38 (34.9)	1.63 (41.3)	0.88 (22.2)
6000	10.75 (273.1)	7.13 (181.0)	6.75 (171.5)	5.75 (146.1)	3.75 (95.3)	5.75 (146.1)	1.00 (25.4)	0.63 (15.9)	1.75 (44.5)	1.38 (34.9)	1.63 (41.3)	0.88 (22.2)

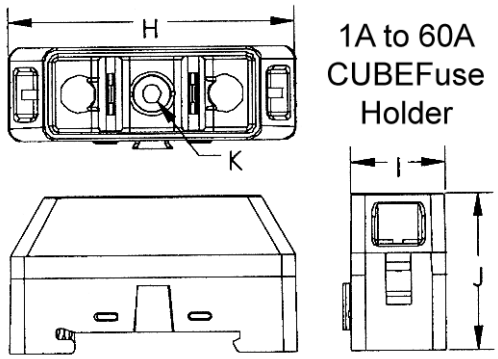
NOTE: KRP-CL (150A to 600A) fuses have same dimensions as 601-800A case size. KTU (200-600A) have same dimensions, except tube 3" length x 2" diameter (76.2 x 50.8mm); terminal 1⅝" width x 1¼" thick (41.3 x 31.8mm).

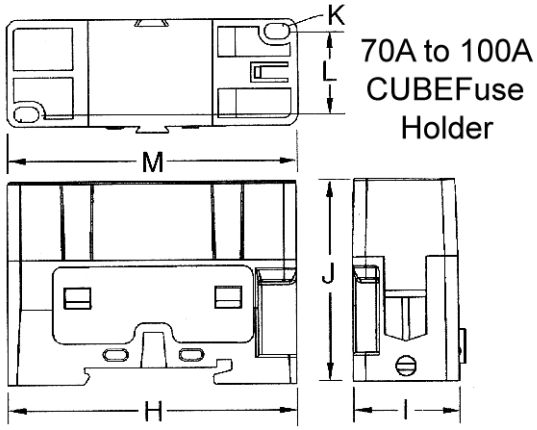


CUBEFuse Fuse and Fuse Holder - in (mm)

Dimension	30A	60A	100A
A	1.88 (47.75)	2.13 (54.10)	3.01 (76.45)
B	0.75 (19.05)	1.00 (25.40)	1.00 (25.40)
C	1.00 (25.40)	1.13 (28.58)	1.26 (32.00)
D	0.31 (7.94)	0.44 (11.11)	0.57 (14.48)
E	0.04 (1.02)	0.04 (1.02)	0.06 (1.60)
F	0.63 (15.88)	0.63 (15.88)	0.63 (15.88)
G	0.27 (6.86)	0.38 (9.65)	0.39 (9.93)
H	2.30 (58.42)	2.60 (66.04)	2.91 (73.91)
I	0.76 (19.30)	1.03 (26.16)	1.05 (26.75)
J	1.27 (32.18)	1.53 (38.86)	2.01 (51.05)
K	0.15 (3.81)	0.17 (4.32)	0.16 (4.06)
L	N/A	N/A	0.80 (20.32)
M	N/A	N/A	2.51 (63.75)







See Data Sheet 9000 for complete dimensional data and details on holder rejection features for the 30A, 60A and 100A holders.