JLS Class J Fuses

600 VAC • Fast Acting • 1 – 600 Amperes

JLS series fuses provide space saving, fast acting overload and short-circuit protection for non-inductive loads. When used for motors or other inductive loads, the ampere rating of JLS series fuses must be increased to prevent nuisance opening on in-rush currents. In such applications, JLS fuses may provide only short-circuit protection. Consider using Littelfuse POWR-PRO® JTD or JTD_ID series time-delay fuses in such circuits.

Applications

General purpose circuits with little or no motor load.
Resistive loads, such as resistance electric heat.
Loads requiring fast acting overload protection, such as equipment containing solid-state devices.

Space Saving

- JLS fuse characteristics are similar to KLNR/KLSR fast acting Class RK1 fuses, but dimensionally are much smaller.

Safety

- 200,000 A.I.R. — Reliable interruption of all overcurrents up to 200,000 amperes.
- Extremely current-limiting — Stops damaging short-circuit current faster than any mechanical protective device.
- Fast acting — Provides fast acting protection to equipment such as variable speed drives, rectifiers and other equipment containing surge sensitive components.

Longer Equipment Life

- Current-limiting design reduces damage to equipment caused by heating and magnetic effects of short-circuit currents.

Economical

- Extremely current-limiting design often permits use of readily available, less costly equipment.
- Manufacturers of equipment containing dual voltage devices can simplify manufacturing and reduce inventory by standardizing on 600 volt JLS fuses and Class J fuse blocks for all AC voltage ratings.

Easy to use

- 200,000 A.I.R. rating minimizes need for short-circuit calculations.

NOTE: Littelfuse JLS fuses are not time-delay fuses. For applications where short-duration surges and spikes may cause nuisance fuse opening, consider the use of Littelfuse POWR-PRO JTD or JTD_ID series time-delay fuses.

Specifications

Voltage Ratings:	600 Volts AC
Interrupting Ratings:	200,000 amperes rms symmetrical
Ampere Range:	1 – 600 amperes
Approvals:	Standard 248-8, Class J
	UL Listed (File No: E81895)
	CSA Certified (File No: LR29862)
	QPL: Federal Specification No: WF-1814

Ampere Ratings

1	25	60	125	300
3	30	70	150	350
6	35	80	175	400
10	40	90	200	450
15	45	100	225	500
20	50	110	250	600

Example part number (series & amperage): JLS 110

Recommended Fuse Blocks

LPSJ series, LJ600 series
Refer to the Blocks and Holders section of this catalog for additional information.

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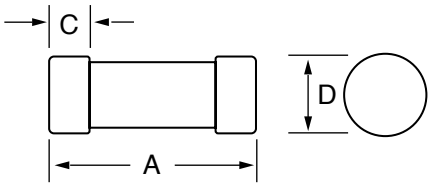


Fig. 1

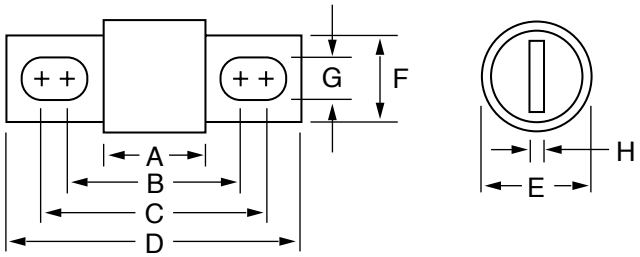
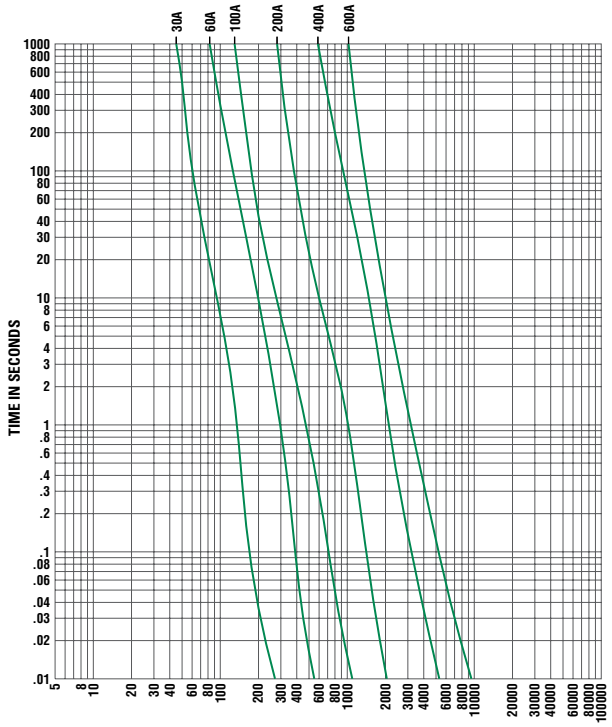
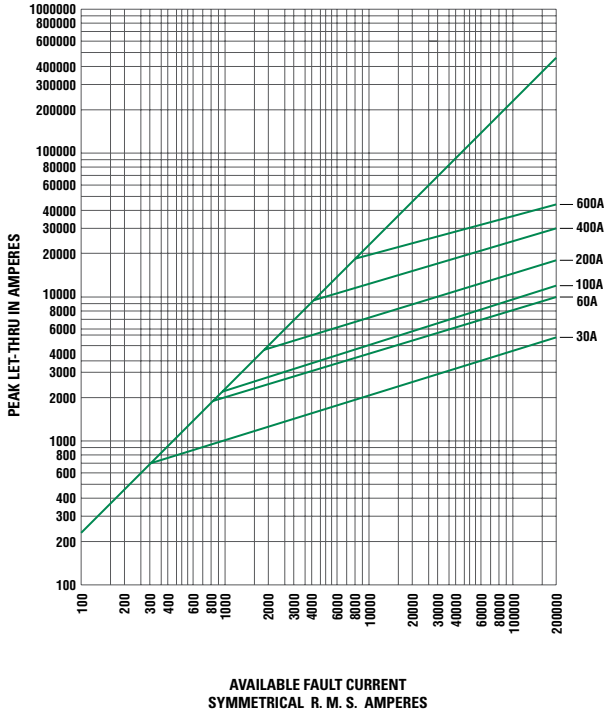


Fig. 2

Amperes	Refer to Fig. No.	Dimensions In Inches (mm in parentheses)							
		A	B	C	D	E	F	G	H
1 – 30	1	2¼ (57.2)	—	½ (12.7)	13/16 (20.6)	—	—	—	—
35 – 60	1	2⅜ (60.3)	—	⅝ (15.9)	1 1/16 (27.0)	—	—	—	—
70 – 100	2	2⅝ (66.7)	3 17/32 (89.7)	3 23/32 (94.5)	4⅝ (117.5)	1 (25.4)	¾ (19.1)	9/32 (7.1)	⅛ (3.2)
110 – 200	2	3 (76.2)	4 9/32 (108.7)	4 15/32 (113.5)	5¾ (146.1)	1½ (38.1)	1⅛ (28.6)	9/32 (7.1)	3/16 (4.8)
225 – 400	2	3⅜ (85.7)	5⅛ (130.2)	5⅜ (136.5)	7⅛ (181.0)	2 (50.8)	1⅝ (41.3)	13/32 (10.3)	¼ (6.4)
450 – 600	2	3¾ (95.3)	5 27/32 (148.4)	6 5/32 (156.4)	8 (203.2)	2½ (63.5)	2 (50.8)	17/32 (13.5)	⅜ (9.5)





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