CLASS J – JLS SERIES FUSES

600 VAC • Fast-Acting • 1-600 A



Description

The UL Listed Class J JLS Series fuses provide space saving, fast-acting overload and short-circuit protection for vital industrial and power conversion applications.

Littelfuse's JLS Series fuses offer best in class current limitation that prevents equipment damage from overcurrent faults.

Features and Benefits

- Superior performance in a space saving package
- Reliable interruption of all overcurrents with protection up to 200kA
- Extremely current limiting
- Fast-acting protection for surge-sensitive devices and components
- Reduces heating and magnetic effects due to overcurrents, extending equipment life
- Economical and readily available

Applications

- Power conversion device protection
- Variable speed drives
- Rectifiers
- Resistive loads
- Solid-state devices

Web Resources

Download TC curves, CAD drawings and other technical information: **littelfuse.com/jls**

Recommended Fuse Holders

LFJ60 Series
LFPSJ Series (8/10–60 A)

Specifications

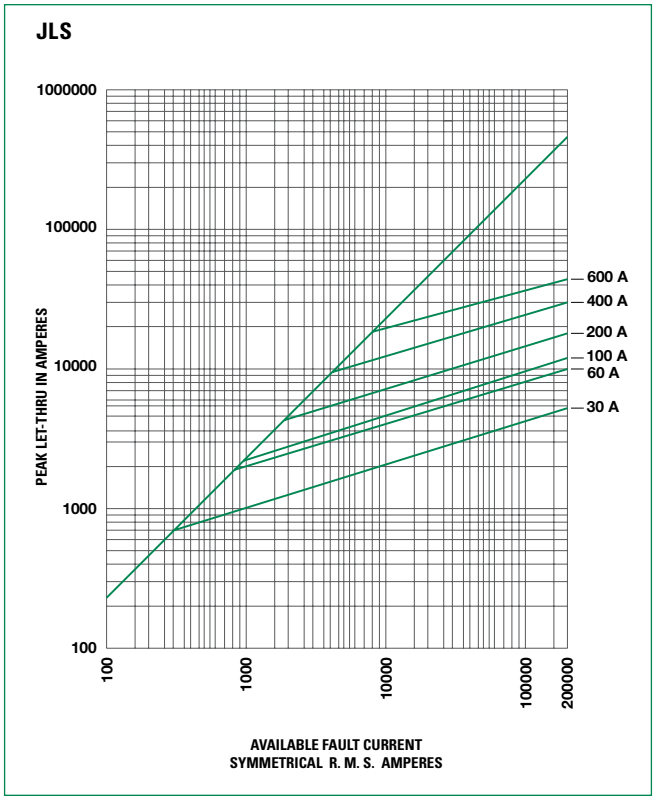
Voltage Ratings	600 VAC
Interrupting Ratings	200 kA rms symmetrical
Ampere Range	1–600 A
Approvals	Standard 248-8, Class J UL Listed (File: E81895) CSA Certified (File: LR29862) Federal Specification WF-1814 (QPL-W-F-1814)

Ordering Information

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

SERIES	AMPERAGE	CATALOG NUMBER	ORDERING NUMBER
JLS	110	JLS110	0JLS110.X

Peak Let-Thru Curve



Dimensions

Please refer to the Class J dimensions on page 2

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Dimensions Inches (mm)

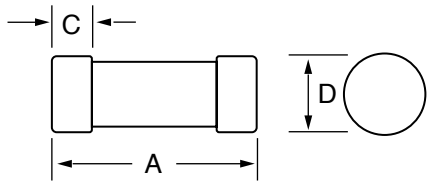


Fig. 1

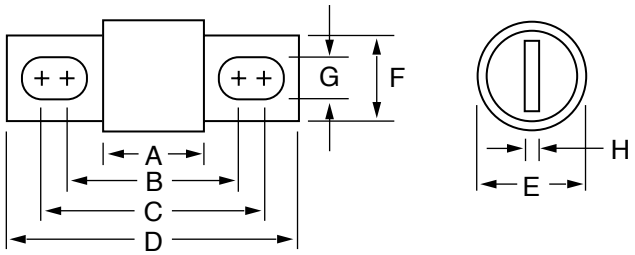


Fig. 2

Dimensions

AMPERES	REFER TO FIG. NO.	DIMENSIONS INCHES (mm)							
		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)

Current-Limiting Effects of JLS (600 V) Fuses

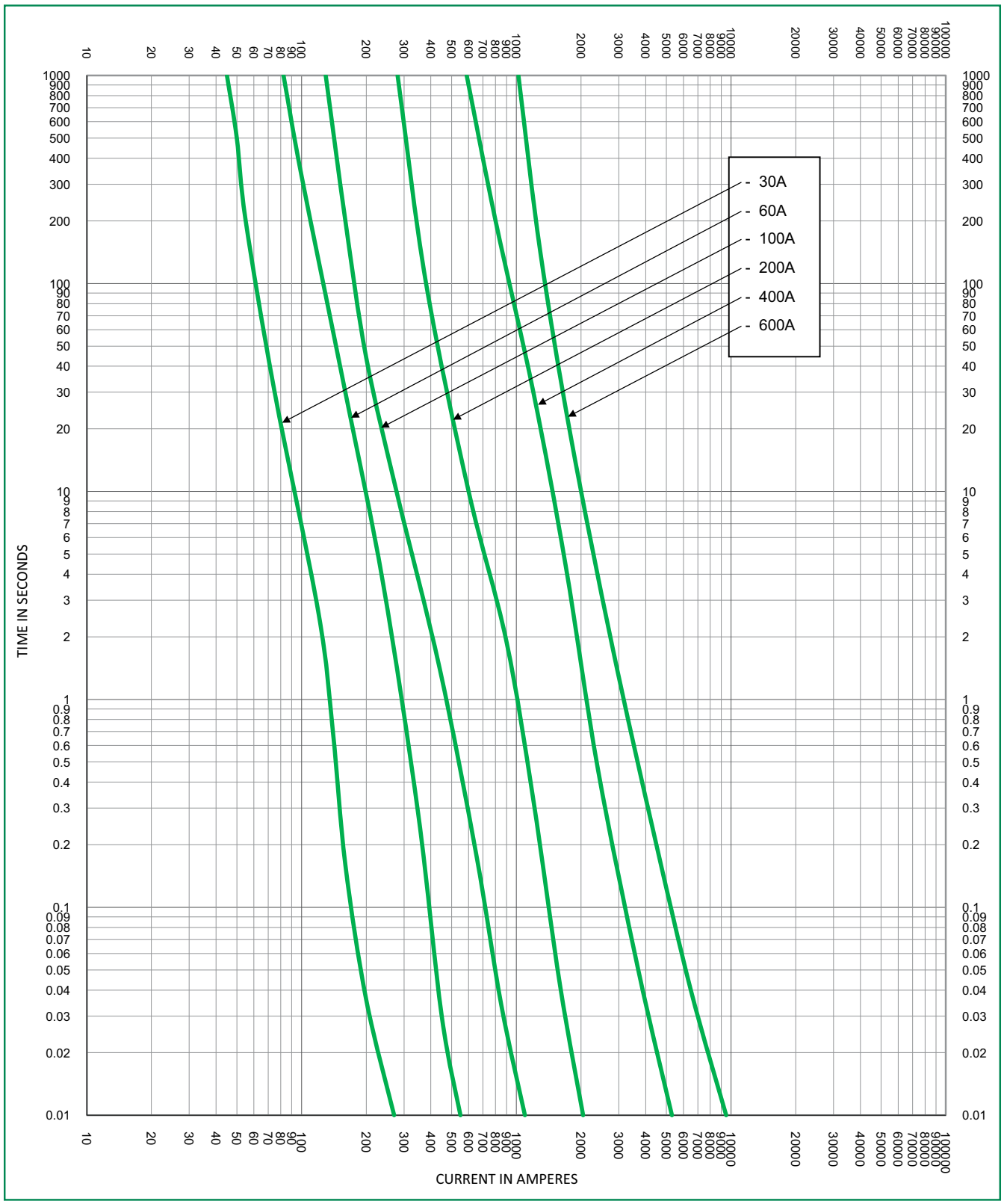
SHORT CIRCUIT CURRENT†	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS					
	30 A	60 A	100 A	200 A	400 A	600 A
5,000	750	1,450	1,650	2,600	4,450	5,000
10,000	925	1,800	2,050	3,200	5,450	8,700
15,000	1,050	2,025	2,350	3,600	6,200	9,650
20,000	1,150	2,225	2,570	3,950	6,700	10,400
25,000	1,225	2,375	2,750	4,200	7,200	11,000
30,000	1,300	2,500	2,900	4,400	7,500	11,750
35,000	1,350	2,600	3,050	4,650	7,900	12,250
40,000	1,425	2,725	3,200	4,850	8,200	12,500
50,000	1,525	2,900	3,450	5,200	8,750	13,500
60,000	1,600	3,100	3,650	5,500	9,250	14,000
80,000	1,775	3,375	4,000	6,000	10,000	15,000
100,000	1,900	3,600	4,250	6,400	10,800	16,000
150,000	2,125	4,050	4,900	7,300	12,150	18,000
200,000	2,350	4,450	5,300	8,000	13,150	19,250

†Prospective RMS Symmetrical Amperes Short-Circuit Current
Note: Data derived from Peak Let-Thru Curves

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Time Current Curve



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