

JTD_ID SERIES INDICATOR® POWR-PRO® FUSES

POWR-PRO® 600 VAC • Time Delay • $\frac{8}{10}$ -600 A



1 Class J Fuses



Description

The Littelfuse POWR-PRO® JTD_ID Indicator Class J fuse provides visual blown fuse indication and maximum protection in a compact package. The current-limiting time delay JTD_ID offers a patented design which reduces nuisance fuse openings.

Applications

- Fused combination motor controllers and motor control centers
- Transformer protection
- Protection for series rated molded case circuit-breaker panels
- General purpose circuits

Features

- Current-Limiting
- IEC Type 2 Protection
- Indication and non-indication version available
- POWR-PRO® Performance
- Indicating and DIN mount holders available

Specifications

Voltage Ratings	AC: 600 V DC: 300 V ($\frac{8}{10}$ -100 A); 500 V (110-600 A)
Interrupting Rating	AC: 200 kA rms symmetrical 300 kA rms symmetrical DC: 20 kA $\frac{8}{10}$ -600 A
Ampere Range	$\frac{8}{10}$ -600 A
Approvals	AC: Standard 248-8, Class J UL Listed (File No. E81895) CSA Certified (File No. LR29862) DC: Littelfuse self-certified

Ordering Information

AMPERE RATINGS							
$\frac{8}{10}$	2¼	4½	10	35	90	225	600
1	2½	5	12	40	100	250	
1¼	2¾	5¾	15	45	110	300	
1½	3	6	17½	50	125	350	
1⅞	3⅞	7	20	60	150	400	
1⅞	3½	8	25	70	175	450	
2	4	9	30	80	200	500	

TYPE	SERIES	AMPERAGE	CATALOG NUMBER	ORDERING NUMBER
INDICATING	JTD_ID	60	JTD60ID	OJTD060.TXID
NON-INDICATING	JTD	60	JTD60	OJTD060.T

Web Resources

Time-current curves, data sheets and additional technical information: www.littelfuse.com/jtd

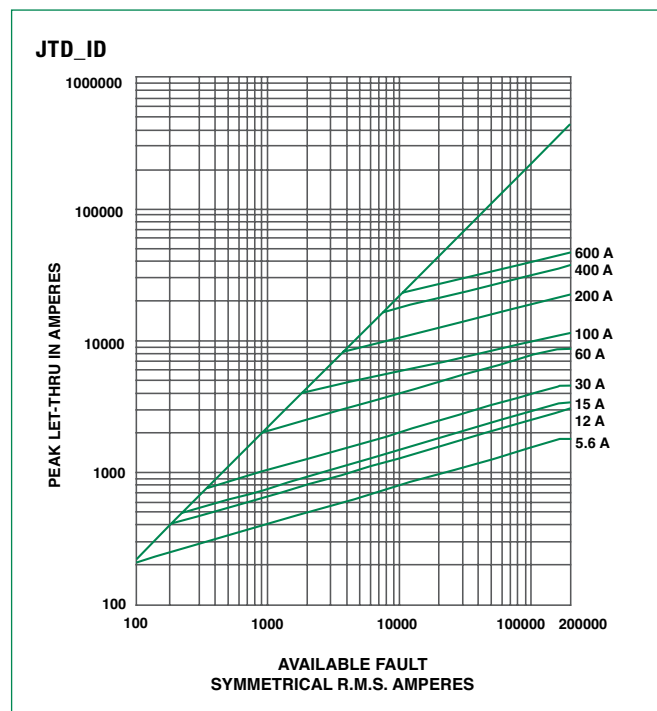
Recommended Fuse Holders

LFJ60 Series	83
LFPSJ Series ($\frac{8}{10}$ -60 A).....	113

Dimensions

Please refer to the Class J dimensions 25

Peak Let-Thru Curve



Note: For more information, see Peak Let-Thru Table on pg. 25

CLASS J DIMENSIONS AND CURRENT-LIMITING EFFECTS

Dimensions Inches (mm)

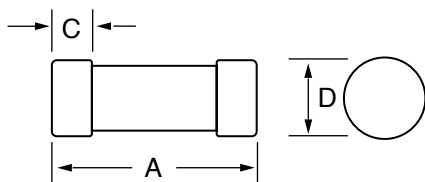


Fig. 1

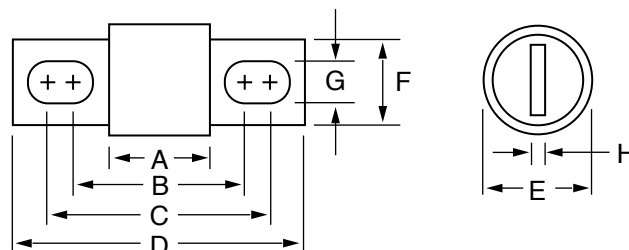


Fig. 2

Dimensions of JTD_ID, JTD and JLS

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	2¾ (60.3)	—	5/8 (15.9)	1½ (27.0)	—	—	—	—
70 – 100	2	25/8 (66.7)	317/32 (89.7)	323/32 (94.5)	45/8 (117.5)	1½ (28.6)*	¾ (19.1)	9/32 (7.1)	1/8 (3.2)
110 – 200	2	3 (76.2)	49/32 (108.7)	415/32 (113.5)	5¾ (146.1)	1½ (38.1)	1½ (28.6)	9/32 (7.1)	3/16 (4.8)
225 – 400	2	3¾ (85.7)	5½ (130.2)	5½ (136.5)	7½ (181.0)	2 (50.8)	1½ (41.3)	13/32 (10.3)	¼ (6.4)
450 – 600	2	3¾ (95.3)	527/32 (148.4)	65/32 (156.4)	8 (203.2)	2½ (63.5)	2 (50.8)	17/32 (13.5)	3/8 (9.5)

*70-100 A JLS dimension = 1 (25.4)

Current-Limiting Effects of JTD_ID (600 V) Fuses

SHORT CIRCUIT CURRENT†	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS						
	15 A	30 A	60 A	100 A	200 A	400 A	600 A
5,000	565	750	1,500	1,800	2,800	4,800	5,000
10,000	675	925	1,900	2,450	3,600	5,700	7,750
15,000	775	1,050	2,100	2,800	4,100	6,500	9,000
20,000	825	1,125	2,300	3,000	4,400	7,250	9,700
25,000	900	1,200	2,500	3,300	5,000	8,000	10,500
30,000	950	1,300	2,600	3,500	5,100	8,400	11,000
35,000	1,000	1,350	2,700	3,700	5,400	9,000	12,000
40,000	1,050	1,400	2,800	3,900	5,600	9,200	12,500
50,000	1,100	1,500	3,000	4,200	6,000	10,000	13,000
60,000	1,200	1,600	3,200	4,500	6,400	10,500	14,000
80,000	1,300	1,700	3,400	4,900	7,200	11,200	15,500
100,000	1,375	1,800	3,600	5,200	7,800	12,200	16,500
150,000	1,500	2,000	3,950	6,000	9,000	14,500	19,000
200,000	1,600	2,175	4,000	6,500	10,000	16,000	20,500

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