

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

JTD SERIES INDICATOR® POWR-PRO® FUSES

POWR-PRO® 600 Vac • Time Delay • 8/10-600 A



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.

Features/Benefits

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

Applications

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

Specifications

| | |
|----------------------------|--|
| Voltage Ratings | AC: 600 V DC: 300 V (8/10–100 A) 500 V (110–600 A) |
| Amperage Range | 8/10–600 A |
| Interrupting Rating | AC: 200 kA rms symmetrical 300kA rms symmetrical (Littelfuse self-certified) |
| Material | DC: 20 kA Body: Melamine Caps: Nickel-plated Bronze (8/10–60 A) Brass (70–200 A) Brass Cap with Copper Blade (225–600 A) |
| Approvals | AC: Standard 248-8, Class J UL Listed (File: E81895) CSA Certified (File: LR29862) DC: Littelfuse self-certified |
| Country of Origin | Mexico |

Ordering Information

| AMPERAGE RATINGS | | | | | | | |
|------------------|----|----|-----|----|-----|-----|-----|
| 8/10 | 2¼ | 4½ | 10 | 35 | 90 | 225 | 600 |
| 1 | 2½ | 5 | 12 | 40 | 100 | 250 | – |
| 1½ | 2¾ | 5¾ | 15 | 45 | 110 | 300 | – |
| 1½ | 3 | 6 | 17½ | 50 | 125 | 350 | – |
| 1¾ | 3¾ | 7 | 20 | 60 | 150 | 400 | – |
| 1¾ | 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: littelfuse.com/jtd

Recommended Fuse Holders

LFJ60 Series
LFPSJ Series (8/10–60 A)

JTD DIMENSIONS AND CURRENT-LIMITING EFFECTS

Dimensions Inches (mm)



Fig. 1



Fig. 2

Dimensions of JTD_ID & JTD

| AMPERAGE | 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) | 11/16 (27.0) | — | — | — | — |
| 70 – 100 | 2 | 25/8 (66.7) | 317/32 (89.7) | 323/32 (94.5) | 45/8 (117.5) | 17/8 (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) | 53/4 (146.1) | 1½ (38.1) | 17/8 (28.6) | 9/32 (7.1) | 3/16 (4.8) |
| 225 – 400 | 2 | 33/8 (85.7) | 51/8 (130.2) | 53/8 (136.5) | 71/8 (181.0) | 2 (50.8) | 15/8 (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) |

Electrical Specifications

| ORDERING NUMBER | AMPERAGE RATING | VOLTAGE RATING | | INTERRUPTING RATING | | WATTS LOSS AT 100% RATED CURRENT (W) | WATTS LOSS AT 80% RATED CURRENT (W) | TOTAL CLEARING I²T (A² SEC) 200 kA | AGENCY APPROVALS | |
|-----------------|-----------------|----------------|-----|---------------------|-------|--------------------------------------|-------------------------------------|------------------------------------|------------------|-----|
| | | AC | DC | AC | DC | | | | UL | CSA |
| 0JTD003.T | 3 | 600 | 300 | 200 kA | 20 kA | 4.537 | 2.801 | 820 | • | • |
| 0JTD010.T | 10 | 600 | 300 | 200 kA | 20 kA | 4.087 | 2.418 | 1690 | • | • |
| 0JTD030.T | 30 | 600 | 300 | 200 kA | 20 kA | 4.247 | 2.92 | 4754 | • | • |
| 0JTD060.T | 60 | 600 | 300 | 200 kA | 20 kA | 6.447 | 3.83 | 10450 | • | • |
| 0JTD100.V | 100 | 600 | 300 | 200 kA | 20 kA | 7.463 | 4.447 | 68150 | • | • |
| 0JTD200.X | 200 | 600 | 500 | 200 kA | 20 kA | 18.39 | 10.187 | 159000 | • | • |
| 0JTD400.X | 400 | 600 | 500 | 200 kA | 20 kA | 40.037 | 23.463 | 1055000 | • | • |
| 0JTD600.X | 600 | 600 | 500 | 200 kA | 20 kA | 61.187 | 34.983 | 1970000 | • | • |

Fuse Weight

| AMPERAGE | JTD-ID (POUNDS) | JTD-ID (GRAMS) | JTD (POUNDS) | JTD (GRAMS) |
|----------|-----------------|----------------|--------------|-------------|
| 8/10–3 ½ | 0.088 | 39.92 | 0.084 | 38.10 |
| 4–12 | 0.090 | 40.82 | 0.086 | 39.01 |
| 15–30 | 0.090 | 40.82 | 0.086 | 39.01 |
| 35–60 | 0.180 | 81.65 | 0.176 | 79.83 |
| 70–100 | 0.242 | 109.77 | 0.238 | 107.95 |
| 110–200 | 0.774 | 351.08 | 0.770 | 349.27 |
| 225–400 | 1.704 | 772.92 | 1.700 | 771.11 |
| 450–600 | 3.124 | 1417.02 | 3.120 | 1415.21 |

JTD SERIES CLASS J FUSE

Current-Limiting Effects of JTD & JTDID (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 | 699 | 1,331 | 1,903 | 2,858 | 4,702 | - |
| 10,000 | 881 | 1,676 | 2,397 | 3,601 | 5,925 | 7,689 |
| 15,000 | 1,008 | 1,919 | 2,744 | 4,123 | 6,782 | 8,802 |
| 20,000 | 1,110 | 2,112 | 3,020 | 4,537 | 7,464 | 9,687 |
| 25,000 | 1,196 | 2,275 | 3,254 | 4,888 | 8,041 | 10,436 |
| 30,000 | 1,271 | 2,418 | 3,457 | 5,194 | 8,545 | 11,089 |
| 35,000 | 1,338 | 2,545 | 3,640 | 5,468 | 8,995 | 11,674 |
| 40,000 | 1,398 | 2,661 | 3,805 | 5,717 | 9,405 | 12,205 |
| 50,000 | 1,506 | 2,867 | 4,099 | 6,158 | 10,131 | 13,148 |
| 60,000 | 1,601 | 3,046 | 4,356 | 6,544 | 10,766 | 13,972 |
| 80,000 | 1,762 | 3,353 | 4,795 | 7,203 | 11,849 | 15,378 |
| 100,000 | 1,898 | 3,612 | 5,165 | 7,759 | 12,764 | 16,565 |
| 150,000 | 2,173 | 4,134 | 5,912 | 8,882 | 14,611 | 18,963 |
| 200,000 | 2,391 | 4,551 | 6,507 | 9,776 | 16,082 | 20,871 |

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

Peak Let-Thru Curve (JTD & JTDID)

