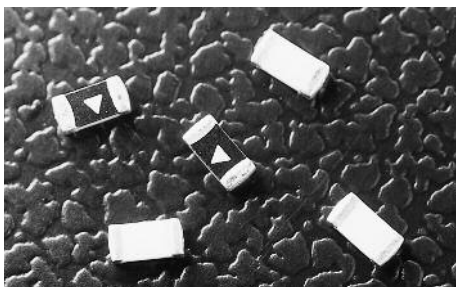


# 3216LV

## Fast-acting Line-voltage Chip™ surface mount fuse

RoHS



### Product features

- Surface mount fuse, fast acting, 125 Vac
- Utilize thick and thin metal film technologies for superior fusing action and enhanced reliability.

### Agency information

- UL Recognition Guide & File numbers: JDYX2 & E19180.
- CSA Component Acceptance: 053787 C 000 & Class No: 1422 30

### General specifications

- Operating temperature range: -55 °C to +125 °C, with proper derating
- Thermal shock: MIL-STD-202, Method 107, Test Condition B (-65 °C to +125 °C)
- Vibration: MIL-STD-202, Method 204, Test Condition C (55 Hz to 2000 HZ, 10 G)
- Moisture resistance: MIL-STD-202, Method 106, 10 day cycle
- Solderability: ANSI/J-STD-002, Test B, Solder dip and look
- Resistance to solder heat: MIL-STD-202G Method 210F Condition A. (Solder iron + 350 ±10 °C, 5s)

### Soldering method

- Wave immersion: +260 °C, 10 sec max.
- Infrared reflow: +260 °C, 30 sec max.

### Ordering

- Specify packaging prefix and part number (i.e., TR-3216LV1-R)

| ELECTRICAL CHARACTERISTICS |                   |
|----------------------------|-------------------|
| % of Amp Rating            | Opening Time      |
| 100%                       | 4 hours minimum   |
| 250%                       | 5 seconds maximum |

| SPECIFICATIONS |                    |                       |                                      |   |          |  |  |
|----------------|--------------------|-----------------------|--------------------------------------|---|----------|--|--|
| Part number    | Current rating (A) | Voltage rating Vac/dc | Interrupting rating @ 125 Vac/dc (A) | Typical melting integral @ 10X rated current (A² sec) |          | Typical resistance @ ≤ 10% rated current (Ω) | Typical voltage drop @ rated current (V) |
|                |                    |                       |                                      | AC  | DC       |  |  |
| 3216LV250-R    | 250 mA             | 125                   | 50                                   | 0.00016   | 0.000084 | 3.5  | 1.4                                      |
| 3216LV375-R    | 375 mA             | 125                   | 50                                   | 0.001   | 0.0002   | 1.75   | 0.73                                     |
| 3216LV500-R    | 500 mA             | 125                   | 50                                   | 0.0014  | 0.0019   | 0.98   | 0.66                                     |
| 3216LV750-R    | 750 mA             | 125                   | 50                                   | 0.0033  | 0.00950  | 0.54   | 0.63                                     |
| 3216LV1-R      | 1                  | 125                   | 50                                   | 0.020   | 0.0084   | 0.345  | 0.63                                     |
| 3216LV1.25-R   | 1.25               | 125                   | 50                                   | 0.035   | 0.021    | 0.255  | 0.62                                     |
| 3216LV1.5-R    | 1.5                | 125                   | 50                                   | 0.038   | 0.024    | 0.165  | 0.49                                     |

#### Notes:

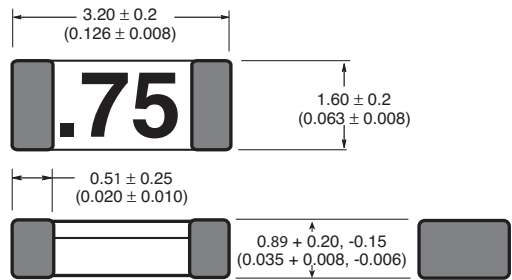
1. AC interrupting rating (Measured at rated voltage with a unity power factor)
2. DC interrupting rating, (Measured at rated voltage, time constant of less than 50 microseconds, battery source)
3. Voltage drop measured at rated current after temperature stabilizes at 23 ± 3 °C
4. Typical melting I²t (Measured with a battery bank at rated voltage and 50 A current, time constant of calibrated circuit less than 50 microseconds)
5. It is recommended that fuses be mounted with ceramic (white) side facing up
6. Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures



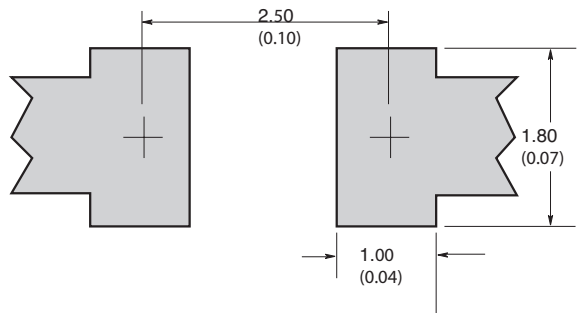
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Dimensions- mm (inches)

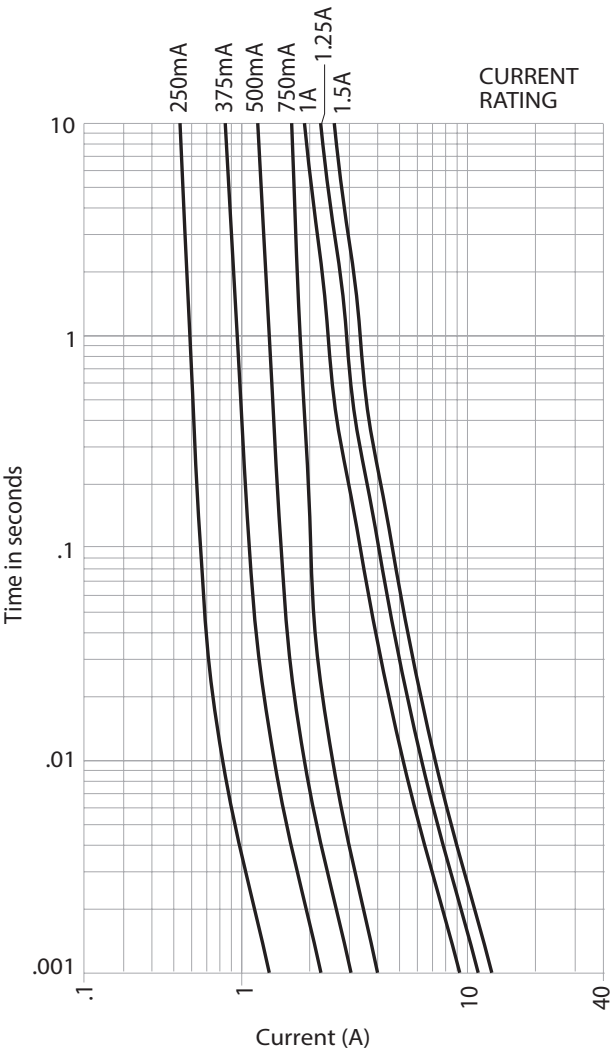
Drawing not to scale



Land pattern- mm (inches)



Time current curve



| Packaging code |   |
|----------------|---|
| Packaging code | Description   |
| TR-            | 3000 fuses on 8 mm tape-and-reel on a 7 inch (178 mm) reel per EIA Standard 481 |

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**Eaton**  
**Electronics Division**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com/electronics

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