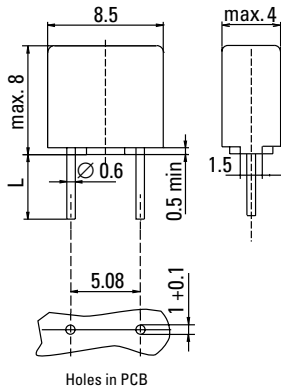


## No. 392 / TE5®



### Dimensions



Long Leads (L=18.8 mm)  
Short Leads (L=4.3 mm)

## IEC 60127-3/IV, 250 V, T

### Lead Free

**Time-Current Characteristic**  
Time Lag (T)

**Standard**  
According to IEC 60127-3/IV

**Approvals**  
VDE Expert Report  
SEMKO  
cULus Recognized  
METI-PSE  
CCC  
CQC

### Features

- Lead Free
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shocksafe casing
- Vibration resistant
- Halogen free

## Specifications

### Packaging

- 000: Tape/Ampopack (1,400 pcs.)
- 044: Short Leads - Bulk (1,400 pcs.)

### Materials

- Base/Cap: Brown Thermoplastic  
Polyamide PA 6.6, UL 94 V0
- Round Pins: Copper, Sn plated

### Operating Temperature

-40 °C to +85 °C (consider de-rating)

### Climatic Category

-40 °C/+85 °C/21 days  
(EN 60068-1,-2-1,-2-2,-78)

### Stock Conditions

+10 °C to +60 °C  
relative humidity ≤ 75 % yearly average,  
without dew, maximum value for 30 days - 95 %

### Vibration Resistance

24 cycles at 15 min. each (EN 60068-2-6)  
10 - 60 Hz at 0.75 mm amplitude  
60 - 2000 Hz at 10 g acceleration

### Lead Pull Strength

10 N (IEC 60068-2-21)

### Solderability

260 °C, ≤ 3 s (Wave)  
350 °C, ≤ 1 s (Soldering iron)

### Soldering Heat Resistance

260 °C, 10 s (IEC 60068-2-20)  
350 °C, ≤ 3 s (Soldering iron)

### Marking

Ⓢ, T, Current Rating, Approvals

### Unit Weight

0.60 g (approx.)



### Limits for Pre-arcing Time

| Rated Current     | 1.5 x I <sub>N</sub> | 2.1 x I <sub>N</sub> | 2.75 x I <sub>N</sub> | 4 x I <sub>N</sub> | 10 x I <sub>N</sub> |
|-------------------|----------------------|----------------------|-----------------------|--------------------|---------------------|
| 800 mA ... 6.30 A | > 1 h                | < 2 min              | 400 ms ... 10 s       | 150 ms ... 3 s     | 20 ms ... 150 ms    |



### Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).

| Rated Current | Amp Code | Voltage Rating | Breaking Capacity<br>50-60Hz/cos φ = 1.0 | Voltage Drop<br>1.0 x I <sub>N</sub> Ⓢ<br>max. (mV) | Power Dissipation<br>1.5 x I <sub>N</sub> Ⓢ<br>max. (mW) | Melting Integral<br>10 x I <sub>N</sub> Ⓢ<br>min. (A <sup>2</sup> s) | Approvals |       |       |         |     |        |   |
|---------------|----------|----------------|--|---|--|--|-----------|-------|-------|---------|-----|--------|---|
|               |          |                |  |   |  |  | VDE       | SEMKO | cULus | PSE-JET | CCC | K-Mark |   |
| 800 mA        | 0800     | 250V           | 25A/250 V AC                             | 110   | 280  | 3.80   | G         | •     | •     | •       | •   | •      | • |
| 1.00 A        | 1100     | 250V           | 25A/250 V AC                             | 115   | 400  | 5.80   | G         | •     | •     | •       | •   | •      | • |
| 1.25 A        | 1125     | 250V           | 25A/250 V AC                             | 100   | 500  | 9.75   | G         | •     | •     | •       | •   | •      | • |
| 1.60 A        | 1160     | 250V           | 25A/250 V AC                             | 95  | 600  | 13.50  | G         | •     | •     | •       | •   | •      | • |
| 2.00 A        | 1200     | 250V           | 25A/250 V AC                             | 90  | 700  | 21.00  | G         | •     | •     | •       | •   | •      | • |
| 2.50 A        | 1250     | 250V           | 25A/250 V AC                             | 85  | 750  | 32.00  | G         | •     | •     | •       | •   | •      | • |
| 3.15 A        | 1315     | 250V           | 32A/250 V AC                             | 80  | 1100   | 55.00  | G         | •     | •     | •       | •   | •      | • |
| 4.00 A        | 1400     | 250V           | 40A/250 V AC                             | 75  | 1200   | 100.00   | G         | •     | •     | •       | •   | •      | • |
| 5.00 A        | 1500     | 250V           | 50A/250 V AC                             | 70  | 1000   | 90.00  | G         | •     | •     | •       | •   | ccc    | • |
| 6.30 A        | 1630     | 250V           | 63A/250 V AC                             | 65  | 1200   | 126.00   | G         | •     | •     | •       | •   | •      | • |

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

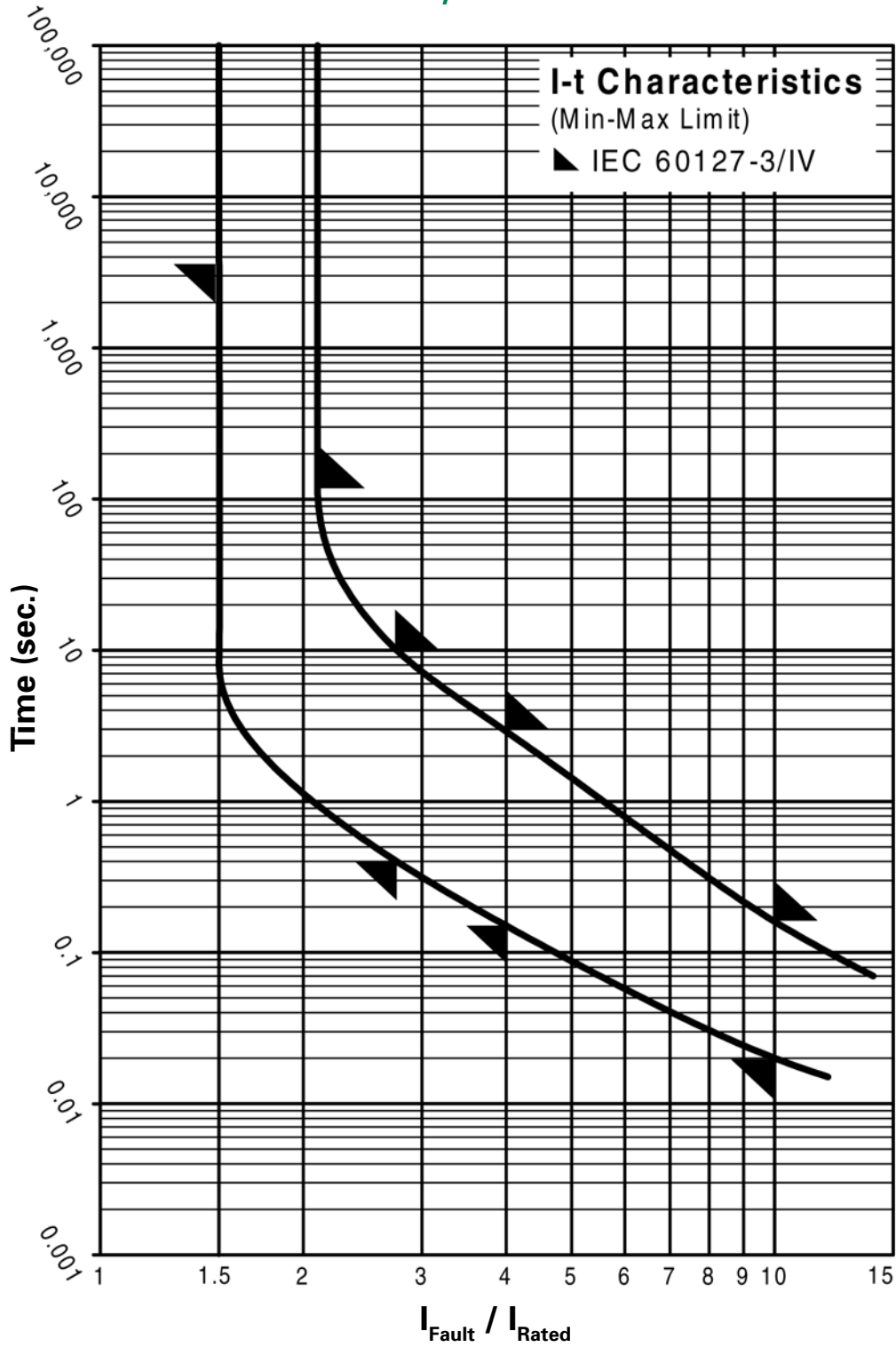
G = Expert Report

### Order Information

| Qty. | Order-Number | Series | Amp Code | Packaging |
|------|--------------|--------|----------|-----------|
|      |              | 392    |          |           |

Specifications are subject to change without notice

## TE5<sup>®</sup> / No. 392



Contact Littelfuse for individual I-t curves