

# No. 372 / TR5®



IEC 60127-3/IV, 250 V, T

Lead Free

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

**Standard**  
IEC 60127-3/IV

**Approvals**  
VDE  
SEMKO  
cULus Recognized  
METI  
CCC

## Features

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

## Specifications

### Packaging

- 000: Tape/Ammopack (1,000 pcs.)
- 041: Short Leads - Bulk (1,000 pcs.)

### Materials

- Base/Cap: Brown Thermoplastic Polyamide PA 6.6, UL 94V0
- 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 (EN 60068-2-21)

### Solderability

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

### Soldering Heat Resistance

260 °C, 10 s (IEC 60068-2-20)

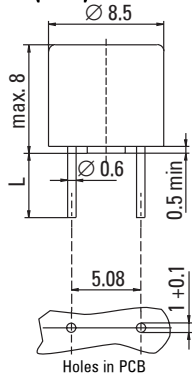
### Marking

Ⓢ, 372, 250 V, T, Current Rating, Approvals

### Unit Weight

0.77 g (approx.)

## Dimensions (mm)



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



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>
40 mA ... 6.30 A	> 1 h	< 2 min	400 ms ... 10s	150 ms ... 3 s	20 ms ... 150 ms



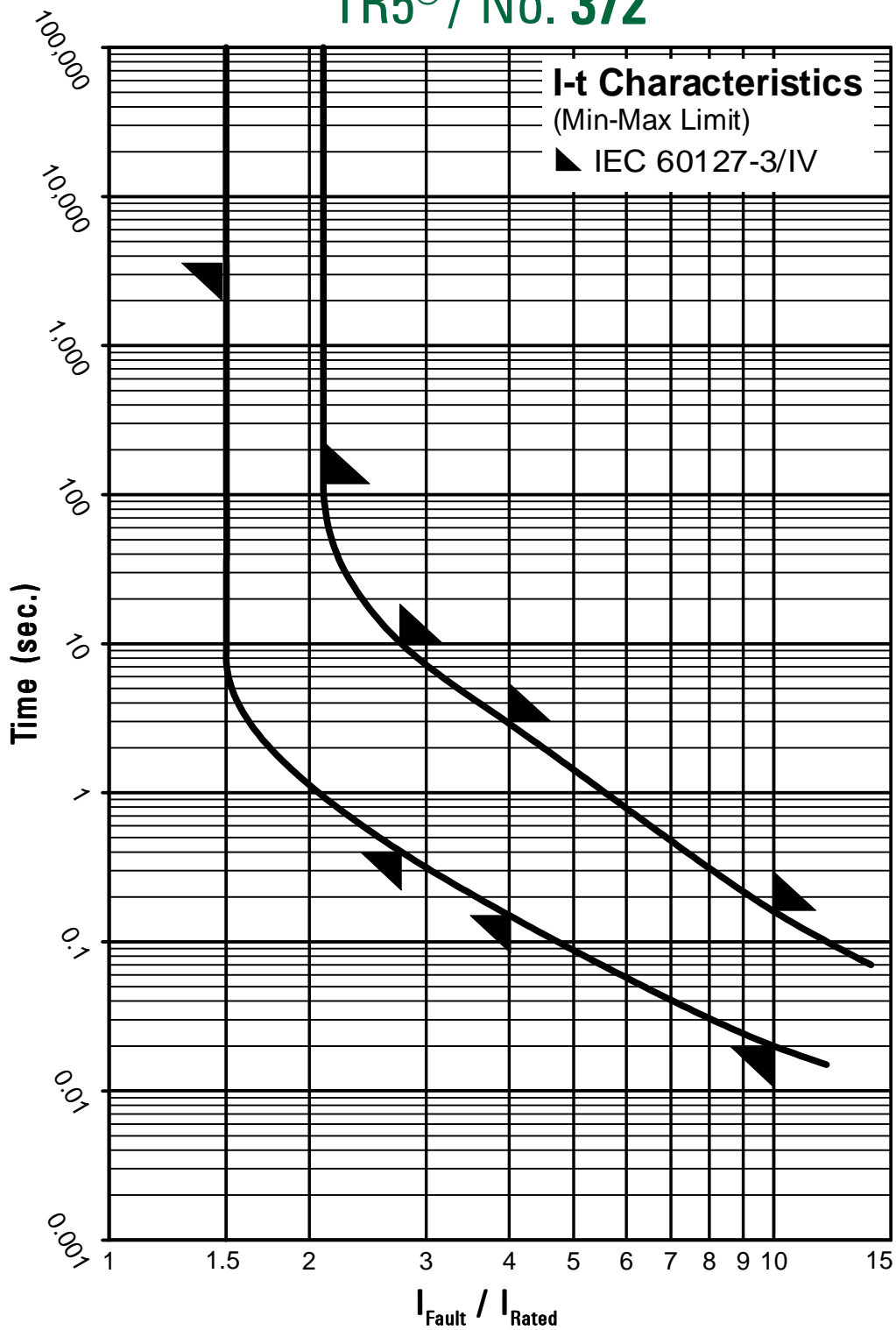
Permissible continuous operating current is ≤ 100 % at ambient temperature of 23 °C (73.4 °F).												
Rated Current	Amp Code	Voltage Rating	Breaking Capacity max. (mV)	Voltage Drop 1.0 x I <sub>N</sub> Ⓢ max. (mW)	Power Dissipation 1.5 x I <sub>N</sub> Ⓢ min. (A <sup>2</sup> s)	Melting Integral 10 x I <sub>N</sub> Ⓢ	Approvals					
							VDE	SEMKO	cULus	METI	PSE-JET**	CCC
40mA	0040	250V		900	90	0.009						
50mA	0050	250V		500	70	0.01	•	•	•	•	•	•
63mA	0063	250V		400	80	0.02	•	•	•	•	•	•
80mA	0080	250V		370	100	0.023	•	•	•	•	•	•
100mA	0100	250V		300	110	0.047	•	•	•	•	•	•
125mA	0125	250V		260	120	0.066	•	•	•	•	•	•
160mA	0160	250V		200	130	0.14	•	•	•	•	•	•
200mA	0200	250V		170	140	0.20	•	•	•	•	•	•
250mA	0250	250V		150	150	0.28	•	•	•	•	•	•
315mA	0315	250V	35A / 250 V AC <sup>1</sup>	140	160	0.36	•	•	•	•	•	•
400mA	0400	250V	50-60Hz	130	170	0.9	•	•	•	•	•	•
500mA	0500	250V	cos φ = 1.0	125	180	1.3	•	•	•	•	•	•
630mA	0630	250V		120	200	2.5	•	•	•	•	•	•
800mA	0800	250V		110	220	3.8	•	•	•	•	•	•
1.00A	1100	250V		110	360	5.5	•	•	•	•	•	•
1.25A	1125	250V		95	450	9	•	•	•	•	•	•
1.60A	1160	250V		95	450	14	•	•	•	•	•	•
2.00A	1200	250V		85	600	23	•	•	•	•	•	•
2.50A	1250	250V		80	700	35	•	•	•	•	•	•
3.15A	1315	250V		80	1100	60	•	•	•	•	•	•
4.00A	1400	250V		75	1200	95	•	•	•	•	•	•
5.00A	1500	250V		80	1300	94	G	•	•	•	•	•
6.30A*	1630	250V		58	1250	105	G	•	•	•	•	•

<sup>1</sup> Per UL, approved breaking capacity is 50 A at 250 V.      \* Conducting path min. 0.2 mm<sup>2</sup>      \*\*PSE-JET and K-Mark for China production      <sup>G</sup> Expert Report  
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information	Qty.	Order-Number	Series	Amp Code	Packaging
				372	

Specifications are subject to change without notice

## TR5<sup>®</sup> / No. 372



Contact Littelfuse for individual I-t curves