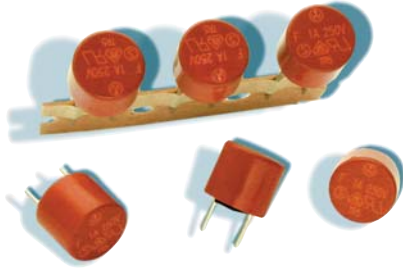


# No. 370 / TR5®



## IEC 60127-3/III, 250 V, F

**Time-Current Characteristic**  
Quick Acting (F)

**Standard**  
IEC 60127-3/III

**Approvals**  
VDE  
SEMKO  
cULus Recognized  
METI  
CCC

### Features

- 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 (1,000 pcs.)
- 041: Short Leads - Bulk (1,000 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  
(IEC 60068-1,-2-1,-2-2,-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)

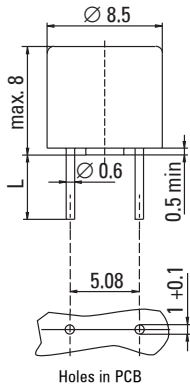
**Marking**

Ⓜ, 370, 250 V, F, 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	> 1h	< 30 min	10 ms ... 3 s	3 ms ... 300 ms	< 20 ms



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

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I <sub>N</sub> Ⓜ max. (mV)	Power Dissipation 1.5 x I <sub>N</sub> Ⓜ max. (mW)	Melting Integral 10 x I <sub>N</sub> Ⓜ max. (A <sup>2</sup> s)	Approvals				
							VDE	SEMKO	cURus	METI-T-Mark	CCC
40mA	0040	250V		900	100	0.0002					
50mA	0050	250V		320	80	0.00035	•	•	•	•	
63mA	0063	250V		350	100	0.0005	•	•	•	•	
80mA	0080	250V		370	120	0.0014	•	•	•	•	
100mA	0100	250V		600	130	0.0038	•	•	•	•	
125mA	0125	250V		550	172	0.0066	•	•	•	•	
160mA	0160	250V		500	165	0.014	•	•	•	•	
200mA	0200	250V		465	190	0.03	•	•	•	•	
250mA	0250	250V		400	250	0.051	•	•	•	•	
315mA	0315	250V	35 A / 250 V AC <sup>1</sup>	380	250	0.1	•	•	•	•	
400mA	0400	250V	50-60Hz cos φ=1.0	120	135	0.025	•	•	•	•	
500mA	0500	250V		120	155	0.042	•	•	•	•	
630mA	0630	250V		115	200	0.076	•	•	•	•	
800mA	0800	250V		120	310	0.12	•	•	•	•	
1.00A	1100	250V		110	310	0.2	•	•	•	•	
1.25A	1125	250V		100	360	0.31	•	•	•	•	
1.60A	1160	250V		100	600	0.53	•	•	•	•	
2.00A	1200	250V		85	500	0.98	•	•	•	•	
2.50A	1250	250V		80	660	1.8	•	•	•	•	
3.15A	1315	250V		90	950	3.1	•	•	•	•	
4.00A	1400	250V		80	920	6.7	•	•	•	•	
5.00A	1500	250V		80	1000	12.00	•	•	•	•	
6.30A*	1630	250V		70	1200	24.00	G	•	•	•	

<sup>1</sup> Per UL, approved breaking capacity is 50 A at 250 V. \* Conducting path min. 0.2 mm<sup>2</sup>  
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

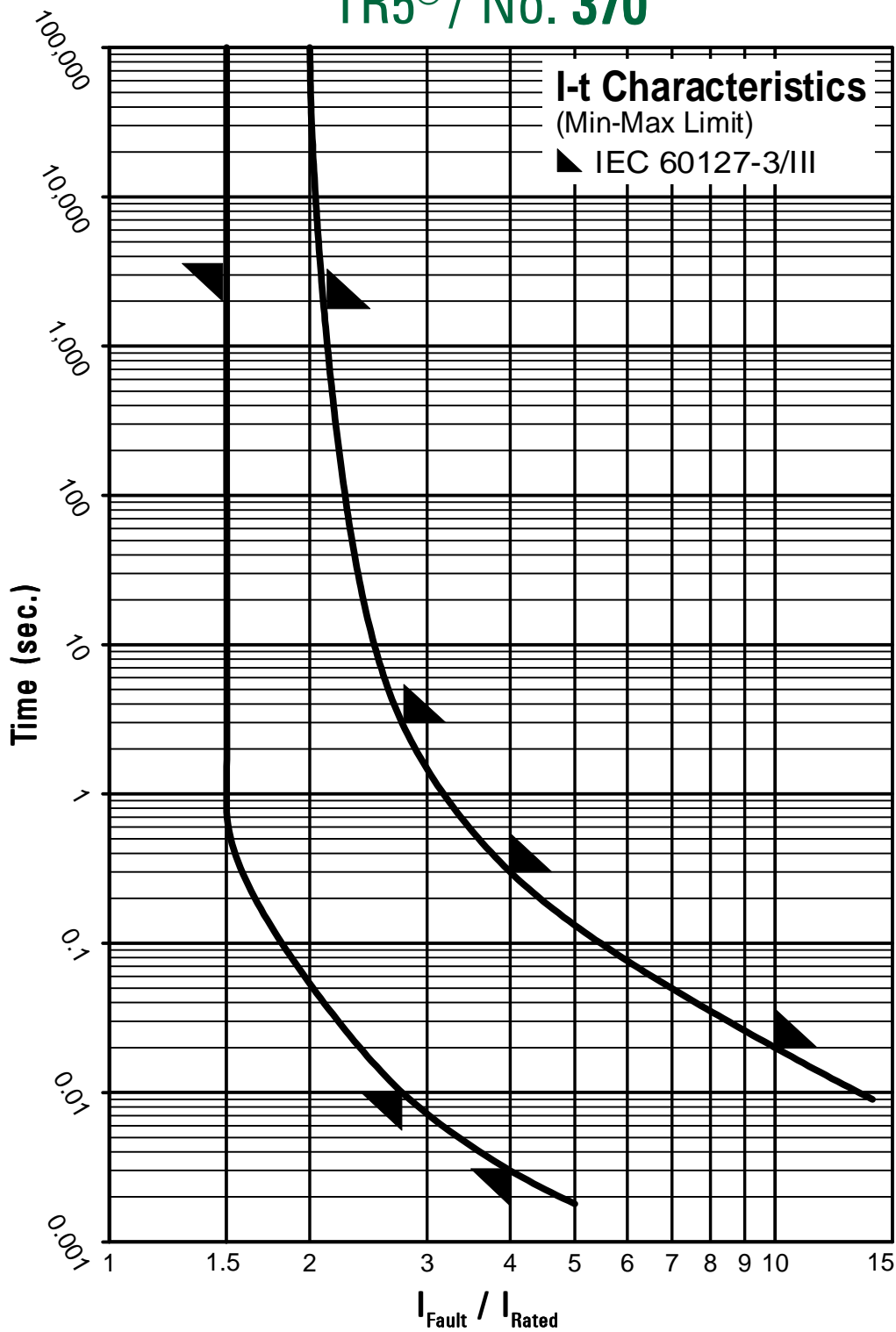
G = Expert Report pending

**Order Information**

Qty.	Order-Number	Series	Amp Code	Packaging
		370		

Specifications are subject to change without notice

## TR5<sup>®</sup> / No. 370



Contact Littelfuse for individual I-t curves