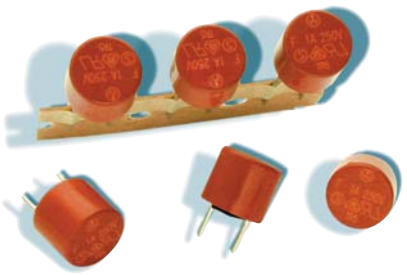
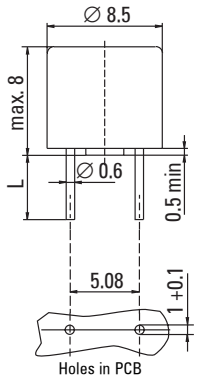
No. 370 / TR5®



Dimensions (mm)



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

IEC 60127-3/III, 250 V, F

leadfree

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

WebLinks

Further infos see:
www.wickmanngroup.com

Further application infos see Fuseology:
www.wickmanngroup.com/download/fuseology.pdf

Specifications

Packaging
000: Tape/Ammopack (1000 pcs.)
041: Short Leads - Bulk (1000 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 60068-6)
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.)

RoHS

Soldering Process Lead free

Limits for Pre-arcing Time

Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
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_N Ⓦ max. (mV)	Power Dissipation 1.5 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ max. (A^2s)	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	35 A / 250 V AC [1] 50-60 Hz cos φ = 1.0	400	250	0.051	•	•	•		•
315mA	0315	250V		380	250	0.1	•	•	•		•
400mA	0400	250V		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	40 A / 250 V AC	80	920	6.7	•	•	•	•	•
5.00A	1500	250V	50 A / 250 V AC	80	1000	12.00	•	•	•		•
6.30A*	1630	250V	63 A / 250 V AC	70	1200	24.00	G	•	•		•

[1] Per UL, approved breaking capacity is 50 A at 250 V.

* Conducting path min. 0.2 mm²

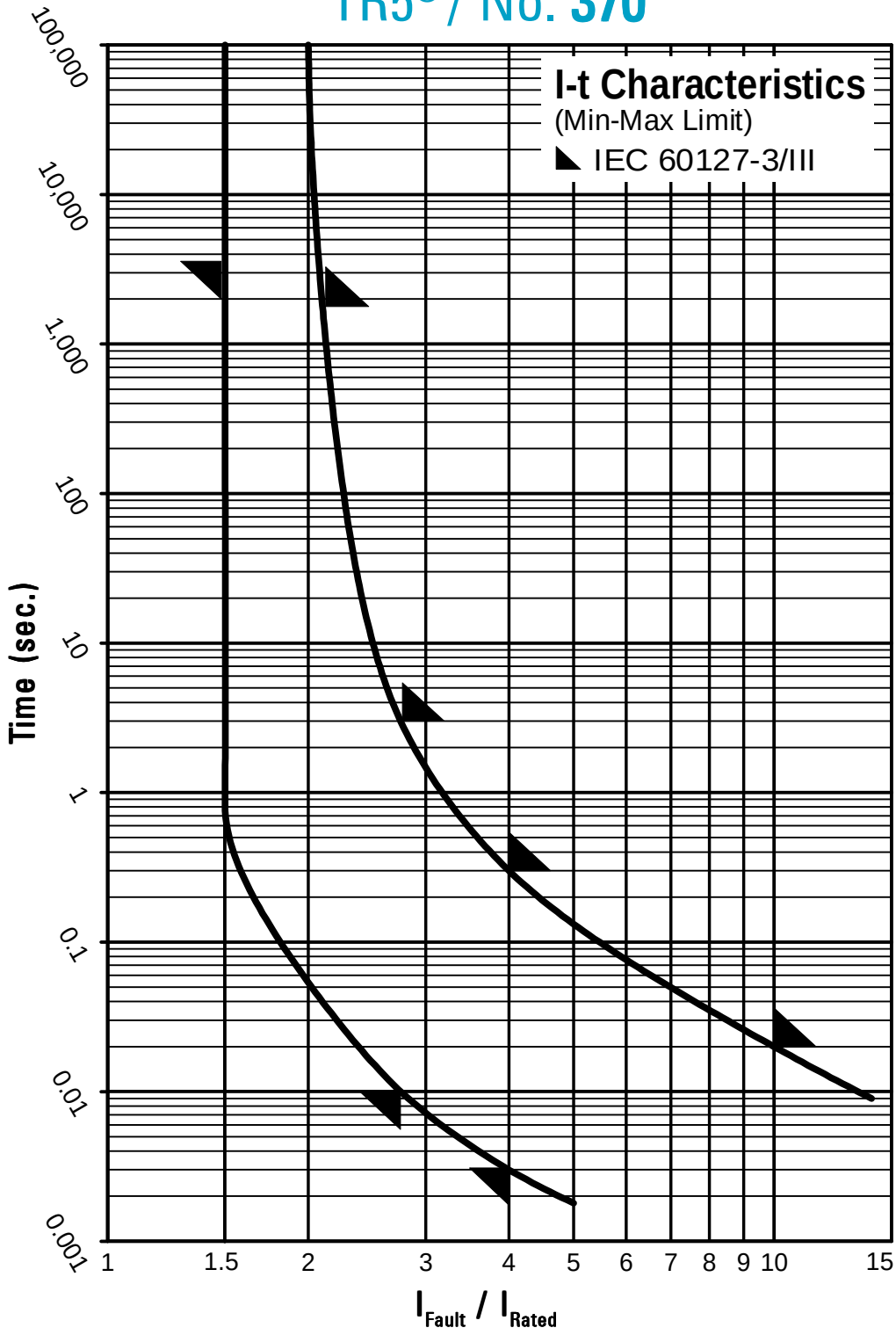
G=Export Report

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		370		

Specifications are subject to change without notice

TR5® / No. 370



Contact WICKMANN for individual I-t curves