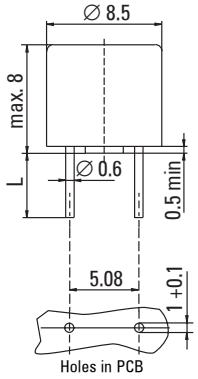
No. 372 / TR5®

Dimensions (mm)



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

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
K-Mark

Features

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

WebLinks

Further infos see:
www.wickmanngroup.com

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

RoHS

Soldering Process Lead free

Specifications

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

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	> 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	Voltage Drop 1.0 x I_N Ⓦ max. (mV)	Power Dissipation 1.5 x I_N Ⓦ max. (mW)	Melting Integral 10 x I_N Ⓦ min. (A^2s)	Approvals VDE	SEMKO	cURus	METI	PSE-JET**	CCC	K-Mark**
40mA	0040	250V		900	90	0.009			•				
50mA	0050	250V		500	70	0.01	•	•	•			p	•
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	0.2	•	•	•			•	•
250mA	0250	250V	35A / 250 V AC [1]	150	150	0.28	•	•	•			•	•
315mA	0315	250V	50-60Hz	140	160	0.36	•	•	•			•	•
400mA	0400	250V	cos φ = 1.0	130	170	0.9	•	•	•			•	•
500mA	0500	250V		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	40A / 250 V AC	75	1200	95	•	•	•	•	•	•	•
5.00A	1500	250V	50A / 250 V AC	80	1300	94	G	•	•			•	•
6.30A*	1630	250V		58	1250	105	G	•	•			•	•

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

* Conducting path min. 0.2 mm²
**PSE-JET and K-Mark for China production

G Expert Report
p = pending

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		372		

Specifications are subject to change without notice

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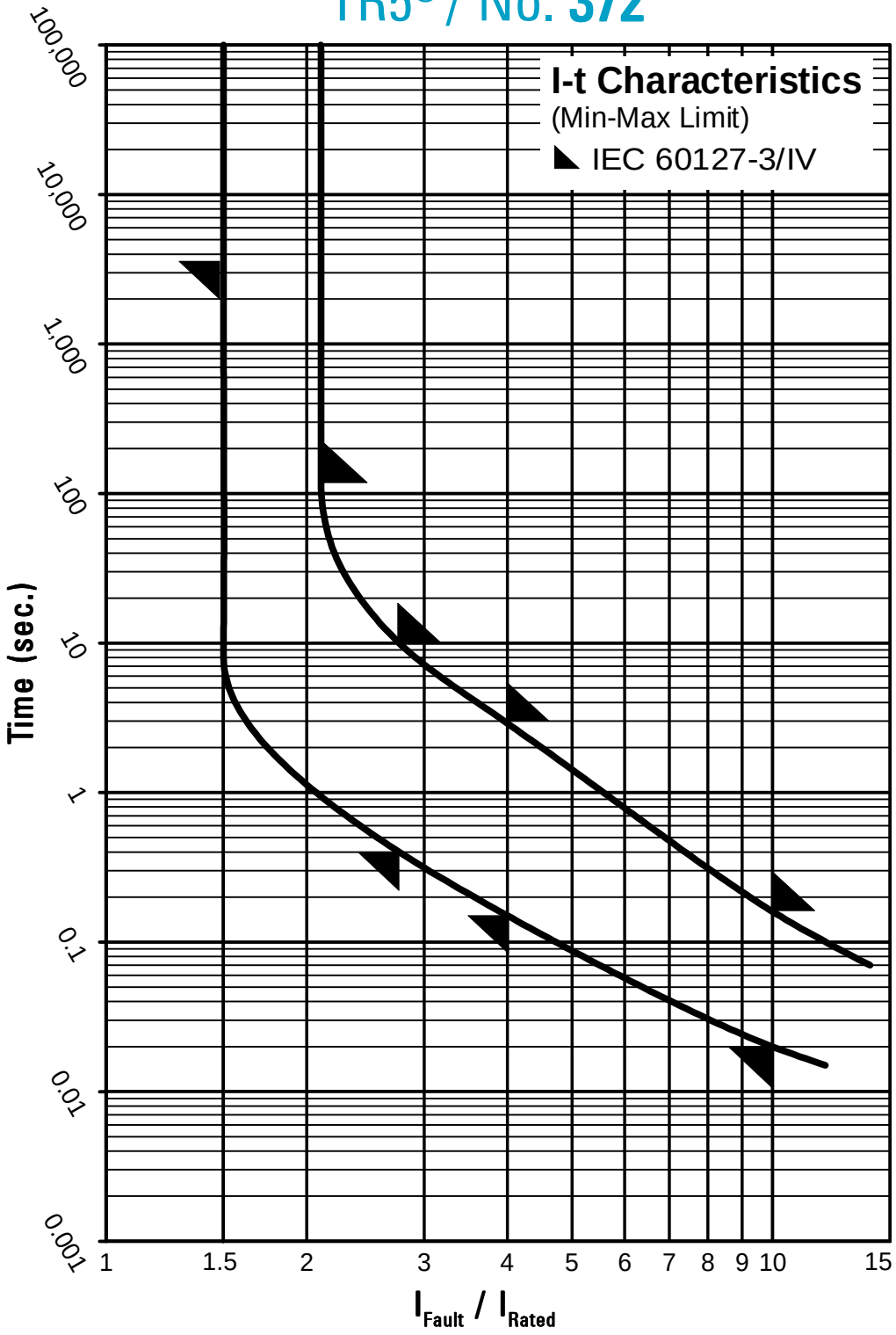
TR5® / No. 372



Contact WICKMANN for individual I-t curves