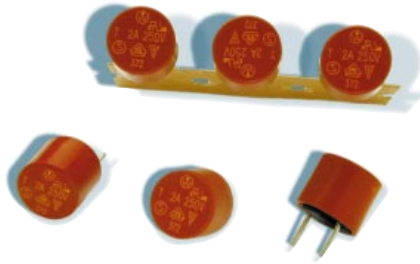
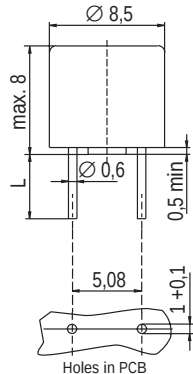




TR5® / No. 372

Dimensions² (mm)

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

IEC 60127-3/IV, 250V, T

Time-Current Characteristic

Time Lag (T)

Standard

IEC 60127-3/IV

Approvals

VDE: License No. 97187
License No. 116448 (5A)
SEMCO: Certificate No. 9812212
Certificate No. 9748179 (5A)
cULus Recognized: File No. E 67006
MITI: File No. 32-1888

Features

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

WebLinks

Data Sheet

www.wickmann.com/products/372.pdf

Approval Certificates

www.wickmann.com/approvals

Time-Current Curve

Page 58

www.wickmann.com/itcurves

Packaging

Page 118

www.wickmann.com/pack

FaxBack Document # 300

Specifications

Packaging

000: Tape/Ampopack (1000 pcs.)
041: Short Leads - Bulk (1000 pcs.)

Materials

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

Operating Temperature

-40°C to +85°C (consider de-rating)

Climatic Category

-25°C/+70°C/21 days (EN 60068-1.3)

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 - 60Hz at 0.75mm amplitude
60 - 2000Hz at 10g acceleration

Lead Pull Strength

10N (EN 60068-2-21)

Solderability

260°C, ≤ 3 sec. (Wave)
350°C, ≤ 1 sec. (Hand)

Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-20)

Marking

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

Unit Weight

0.77g (approx.)

Limits for Pre-arcing Time

Rated Current	$1.5 \times I_{\text{Rated}}$	$2.1 \times I_{\text{Rated}}$	$2.75 \times I_{\text{Rated}}$	$4 \times I_{\text{Rated}}$	$10 \times I_{\text{Rated}}$
50mA ... 5.00A	> 1h	< 2 min	400ms ... 10s	150ms ... 3s	20ms ... 150ms



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 $1.0 \times I_{\text{Rated}}$ max. (mV)	Power Dissipation $1.5 \times I_{\text{Rated}}$ max. (mW)	Melting Integral $10 \times I_{\text{Rated}}$ min. (A²s)	Approvals VDE SEMKO cULus MITI
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	0.2	• • •
250mA	0250	250V		150	150	0.28	• • •
315mA	0315	250V	35A / 250VAC ¹	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 ²	1200	250V		85	600	23	• • • •
2.50A ²	1250	250V		80	700	35	• • • •
3.15A ²	1315	250V		80	1100	60	• • • •
4.00A	1400	250V	40A / 250VAC	75	1200	95	• • • •
5.00A	1500	250V	50A / 250VAC	80	1300	94	G G •

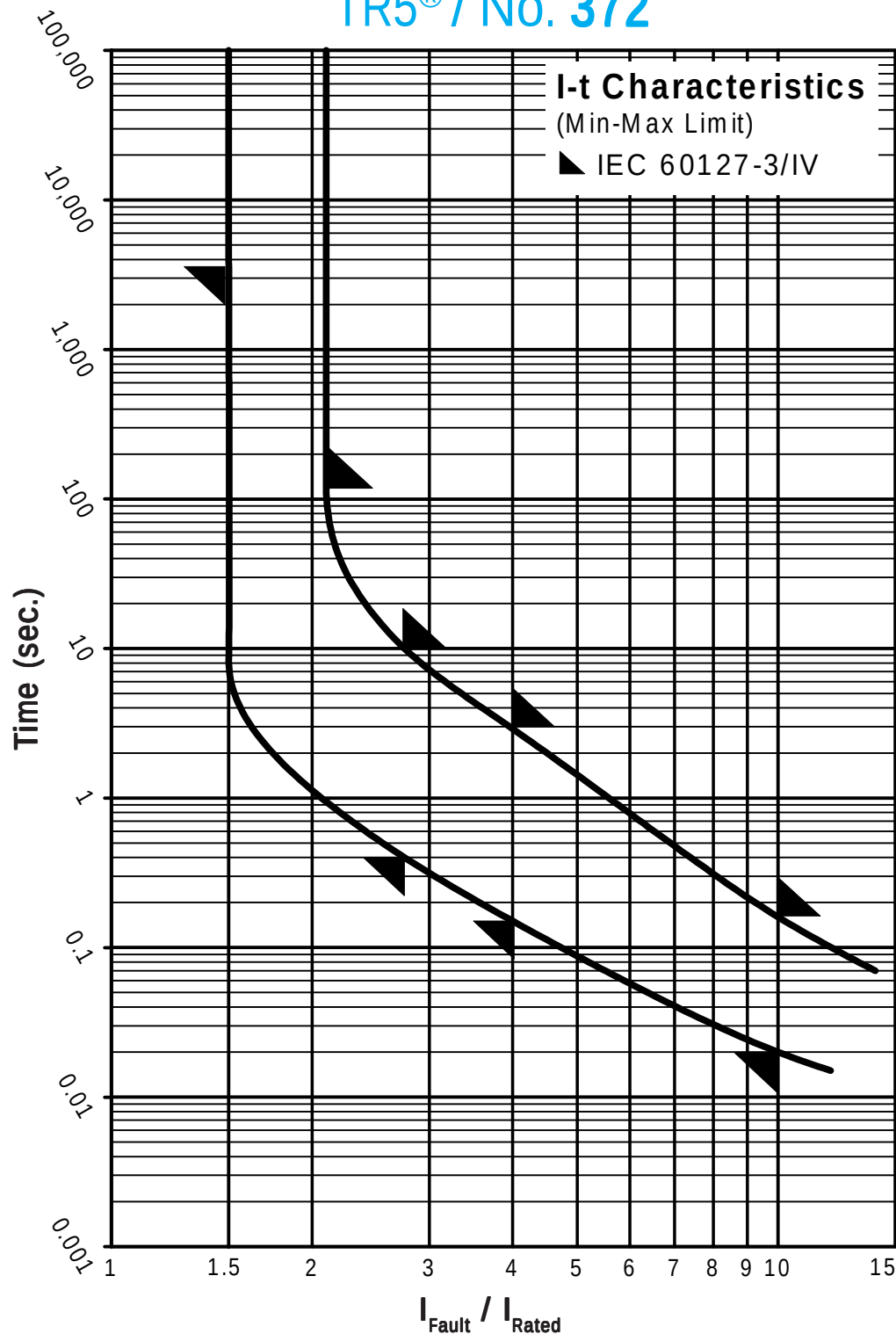
¹ Per UL, approved breaking capacity is 50 A at 250V.^G Expert Report² Contact WICKMANN for alternative version rated at 250V, Series No. 392.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		372		



TR5® / No. 372



Contact WICKMANN for individual I-t curves