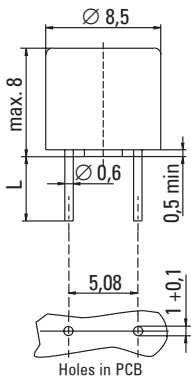


No. 382 / TR5®



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-T-Mark
METI-PSE
CCC

Features

- Lead Free
- 100A breaking capacity
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Internationally approved
- Low internal resistance
- Shocksafe casing
- Vibration resistant
- Halogen free

WebLinks

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



Specifications

Packaging

000: Tape/Ampopack (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

10N (IEC 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

Ⓜ, 382, 250 V, T, Current Rating, Approvals

Unit Weight

0.82 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
1.00 A ... 6.30 A	> 1 h	< 2 min	400 ms ... 10 s	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. (A²s)	Approvals					
							VDE	SEMKO	cULus	METI-T-Mark	METI-PSE	CCC
1.00 A	1100	250 V	100A / 250 V AC ¹ 50-60Hz cos φ = 1.0	100	400	3.0	•	•	•	•	•	•
1.25 A	1125	250 V		95	465	4.5	•	•	•	•	•	•
1.60 A	1160	250 V		90	490	9.0	•	•	•	•	•	•
2.00 A	1200	250 V		85	670	12	•	•	•	•	•	•
2.50 A	1250	250 V		80	750	22	•	•	•	•	•	•
3.15 A	1315	250 V		75	900	32	•	•	•	•	•	•
4.00 A	1400	250 V		70	1200	58	•	•	•	•	•	•
5.00 A	1500	250 V		65	1250	90	G	•	•	•	•	•
6.30 A*	1630	250 V		65	1400	105	G	•	•	•	•	•

¹ Breaking capacity at UL: 50A at 250V

* Conducting path min. 0.2mm²

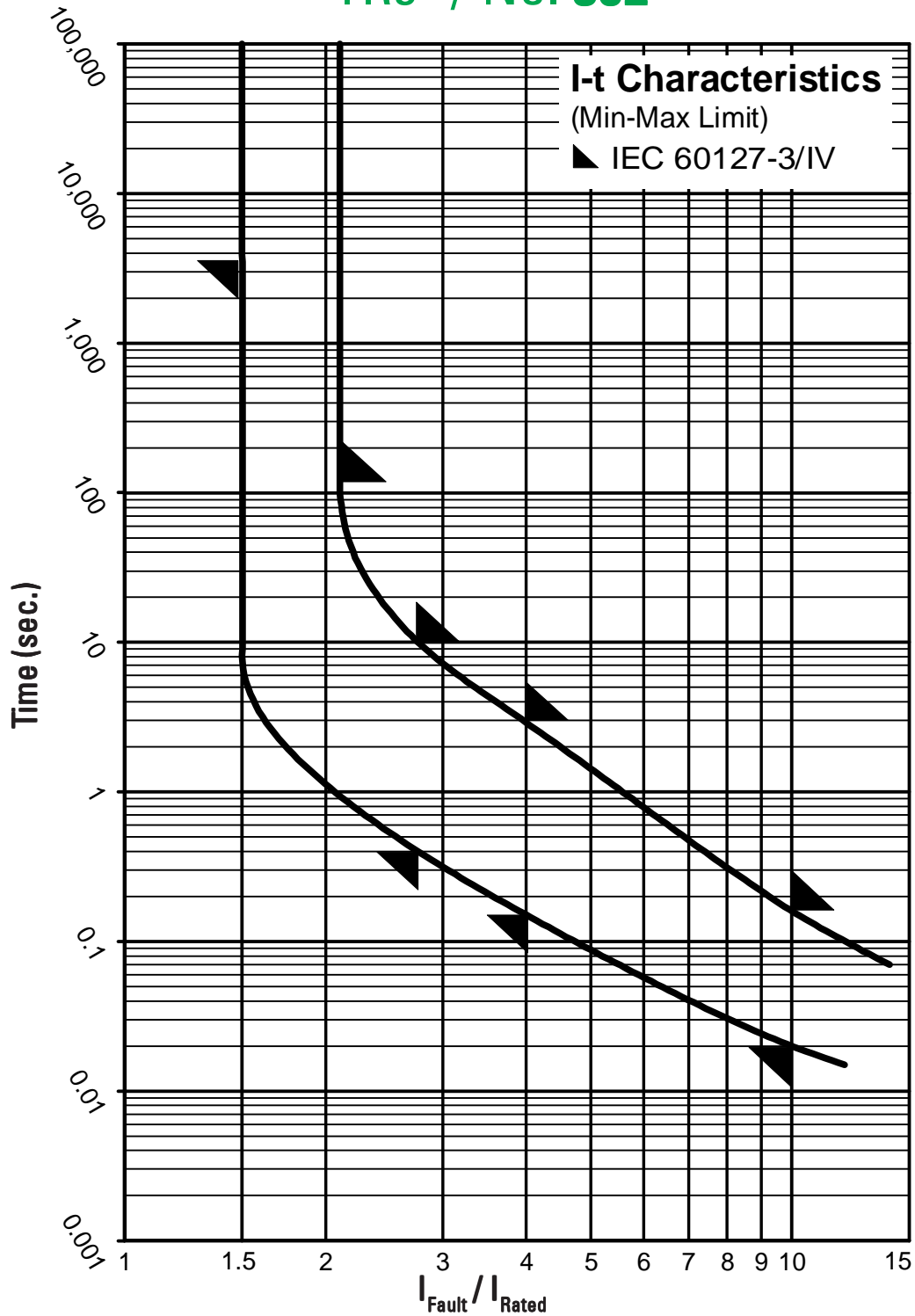
^G Expert Report

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		382		

Specifications are subject to change without notice

TR5® / No. 382



Contact WICKMANN for individual I-t curves