No. 382 / TR5®

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-PSE
CCC
CQC
K-Mark

Features

Lead Free
320 V cULus recognized
Electronic Ballast for Lamps
100A breaking capacity
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/Ammopack (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
10N (IEC 60068-2-21)

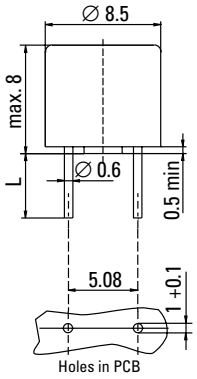
Solderability
260 ˚C, ≤ 3 s (Wave)
350 ˚C, ≤ 3 s (Soldering Iron)

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.)

Dimensions



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

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
1.00 A ... 6.30 A	> 1 h	< 2 min	400 ms ... 10 s	150 ms ... 3 s	20 ms ... 150 ms
8.00 A ... 10.00 A	> 1 h	< 300 s	1 s ... 20 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. (A^2s)	Approvals VDE	SEMKO	cURus	PSE-JET	CCC	K-Mark
1.00 A	1100	250 V	100A / 250 V AC [1] 50-60 Hz 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	•	•	•	CQC	•
6.30 A*	1630	250 V		65	1400	105	G	•	•	•	CQC	•
8.00 A**	1800	250 V		63	1600	180			•	•		
10.00A**	2100	250 V		57	1600	260			•	•		

[1] Breaking capacity at UR: 50A at 320V

G Expert Report

* Conducting path min. 0.2 mm²
**Conducting path min. 0.35 mm²

Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

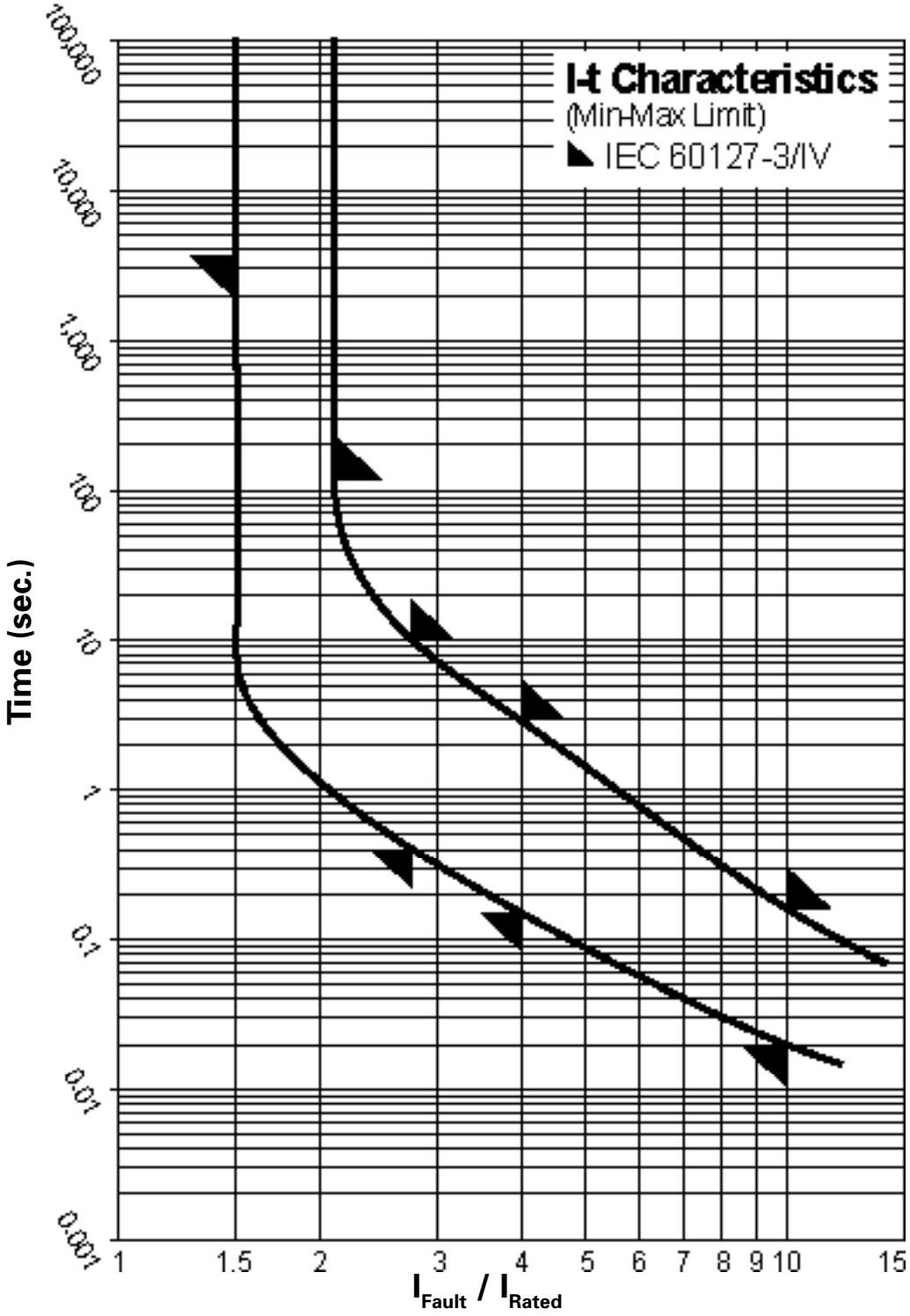
Qty.	Order-Number	Series	Amp Code	Packaging
		382		

Specifications are subject to change without notice

WICKMANN

In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

TR5® / No. 382



Contact Littelfuse for individual I-t curves