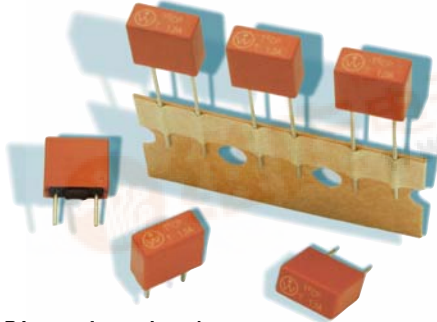
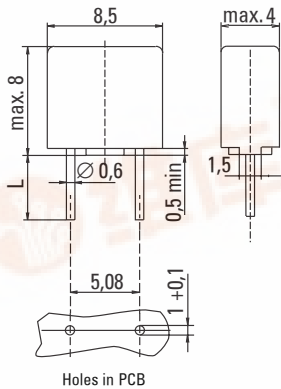


No. 397 / T²CP



Dimensions (mm)



Holes in PCB
 Long Leads (L=18.8 mm)
 Short Leads (L=4.3 mm)

UL 248-14, 125 V, T lead free

Time-Current Characteristic Transient Tolerant (T)

Standard

UL 248-14
 CSA C22.2 No. 248.14

Approvals

UL Listed
 cUL Listed

Features

- Surge Proof for telecom applications
- Reduced PCB space requirements
- Direct solderable or plug-in versions
- Low internal resistance
- Shocksafe casing
- Vibration resistant
- Halogen free

Specifications

Packaging

000: Tape/Ammopack (1400 pcs.)
 044: Short Leads - Bulk (1400 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 (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

Ⓜ, T²CP, T, Current Rating

Unit Weight

0.60 g (approx.)



Limits for Pre-arcing Time

Rated Current	2.0 x I _N	5.7 x I _N Ⓜ	17 x I _N Ⓜ
350mA ... 1.50 A	< 60 s	80 ms ... 2 s	< 200 ms



Permissible continuous operating current is ≤ 70 % at ambient temperature of 23 °C (73.4 °F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop	Power Dissipation	Melting Integral	Surge Amplitude (A) ¹		Approvals		
				1.0 x I _N Ⓜ max. (mV)	1.0 x I _N Ⓜ max. (mW)	10 x I _N Ⓜ min. (A ² s)	FCC	Bellcore	ITU	UL	cUL
350 mA	0350	125 V		400	140	0.38	25	15	29	•	•
500 mA	0500	125 V		340	170	0.79	30	17	38	•	•
800 mA	0800	125 V	50A/125V AC	300	240	2.4	60	31	50	•	•
1.00 A	1100	125 V	50-60Hz	240	240	3.5	78	40	65	•	•
1.25 A	1125	125 V	cos φ=1.0	200	250	5	100	50	67	•	•
1.50 A	1150	125 V		190	285	8.5	155	78	67	•	•

¹ FCC 47 Part 68: Minimum pulse load quantity is 2 pulses at a test generator output of 800 V and 10x560 μs waveform.
 ITU-T K.20: Minimum pulse load quantity is 30 pulses at a test generator output of 1000 V, 67 A and 10x700 μs waveform.
 Bellcore GR-1089: Minimum pulse load quantity is 50 pulses at a test generator output of 1000 V and 10x1000 μs.

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

Order Information

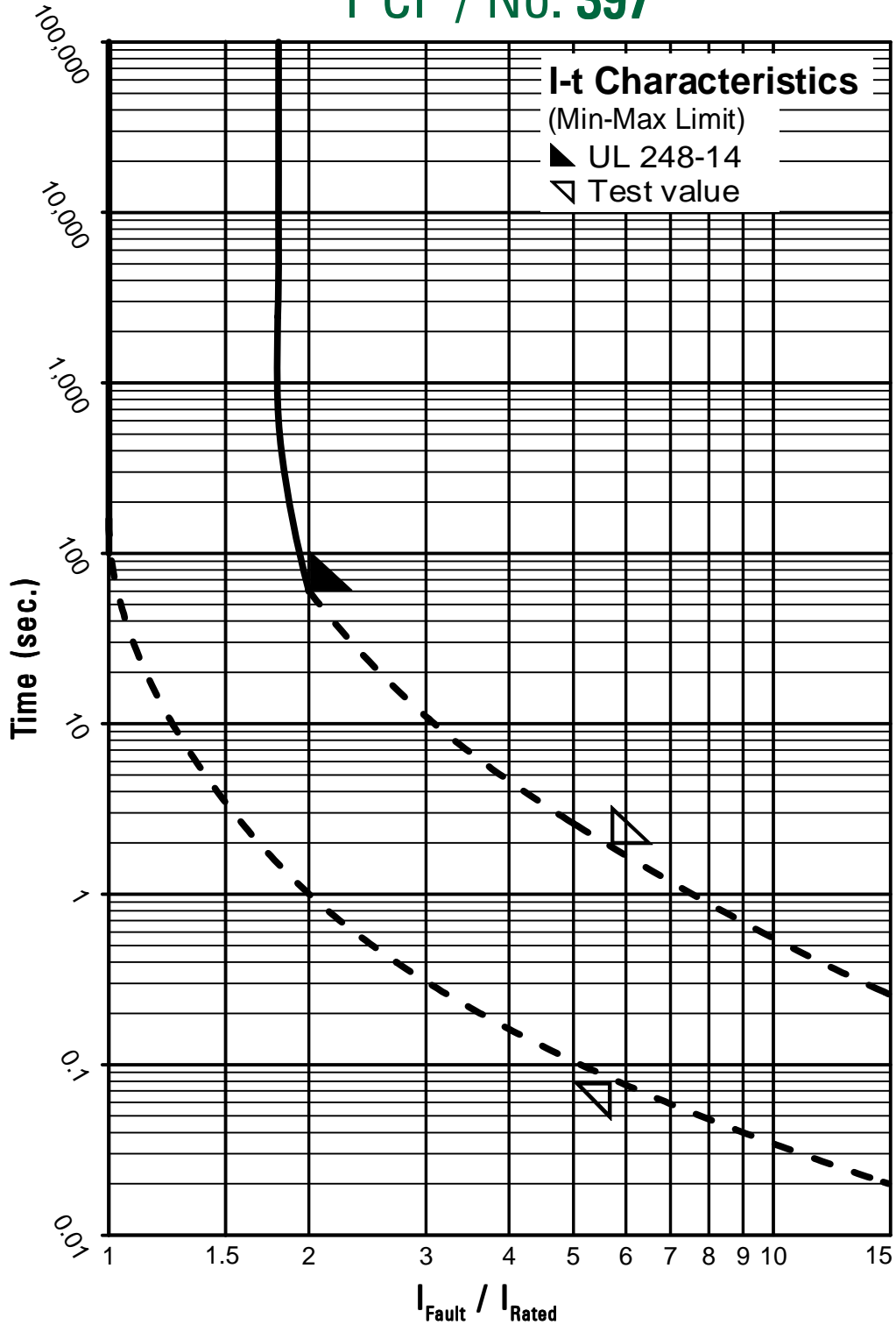
Qty.	Order-Number	Series	Amp Code	Packaging
		397		

Specifications are subject to change without notice



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.

T²CP / No. 397



Contact Littelfuse for individual I-t curves