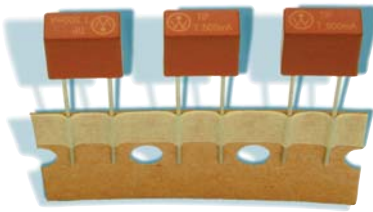
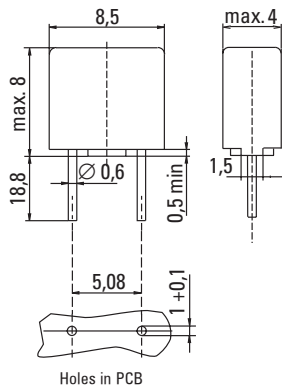


# No. 385 / TIP



### Dimensions (mm)



## Telecom Interface Protector Specifications

### Lead Free

#### Time-Current Characteristic

Transient Tolerant (T)

#### Standard

UL 248-14  
CSA C22.2 No. 248.14

#### Approvals

cULus Recognized

### Features

- Surge proof for telecom applications
- Reduced PCB space requirements
- Highly defined cut-off times
- Irreversible physical separation
- Low internal resistance
- Flame resistant encapsulated casing
- CCCe for China import

### WebLinks

#### Further info see:

[www.wickmanngroup.com](http://www.wickmanngroup.com)

#### Further application infos see

#### Fuseology:

[www.wickmanngroup.com/download/fuseology.pdf](http://www.wickmanngroup.com/download/fuseology.pdf)

#### Packaging

000: Tape/Ampopack (1400 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,-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 (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

, TIP, T, Current Rating

#### Unit Weight





0.60 g (approx.)

### Limits for Pre-arcing Time

Rated Current	1.0 x I <sub>N</sub>	3.0 x I <sub>N</sub> 
350 mA ... 1.50 A	> 2 h	300 ms ... 5 s



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

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Cold Resistance 0.1 x I <sub>N</sub>  max. (mΩ)	Voltage Drop 1.0 x I <sub>N</sub>  max. (mV)	Power Dissipation 1.0 x I <sub>N</sub>  max. (mW)	Melting Integral 10 x I <sub>N</sub>  min. (A <sup>2</sup> s)	Surge Amplitude (A) <sup>1</sup>			Approvals	
								FCC	Bellcore	ITU	cURus	CCCe
350mA	0350	125V	50 A / 125 V AC 50-60 Hz cos φ = 1.0	540	250	90	0.6	32	19	36	•	•
500mA	0500	125V		320	220	110	1.2	48	26	61	•	•
800mA	0800	125V		160	170	130	2.7	80	42	67	•	•
1.00A	1100	125V		105	140	130	4.5	100	52	67	•	•
1.25A	1125	125V		75	125	140	6.7	128	65	67	•	•
1.50A	1150	125V		60	120	170	9.0	155	78	67	•	•

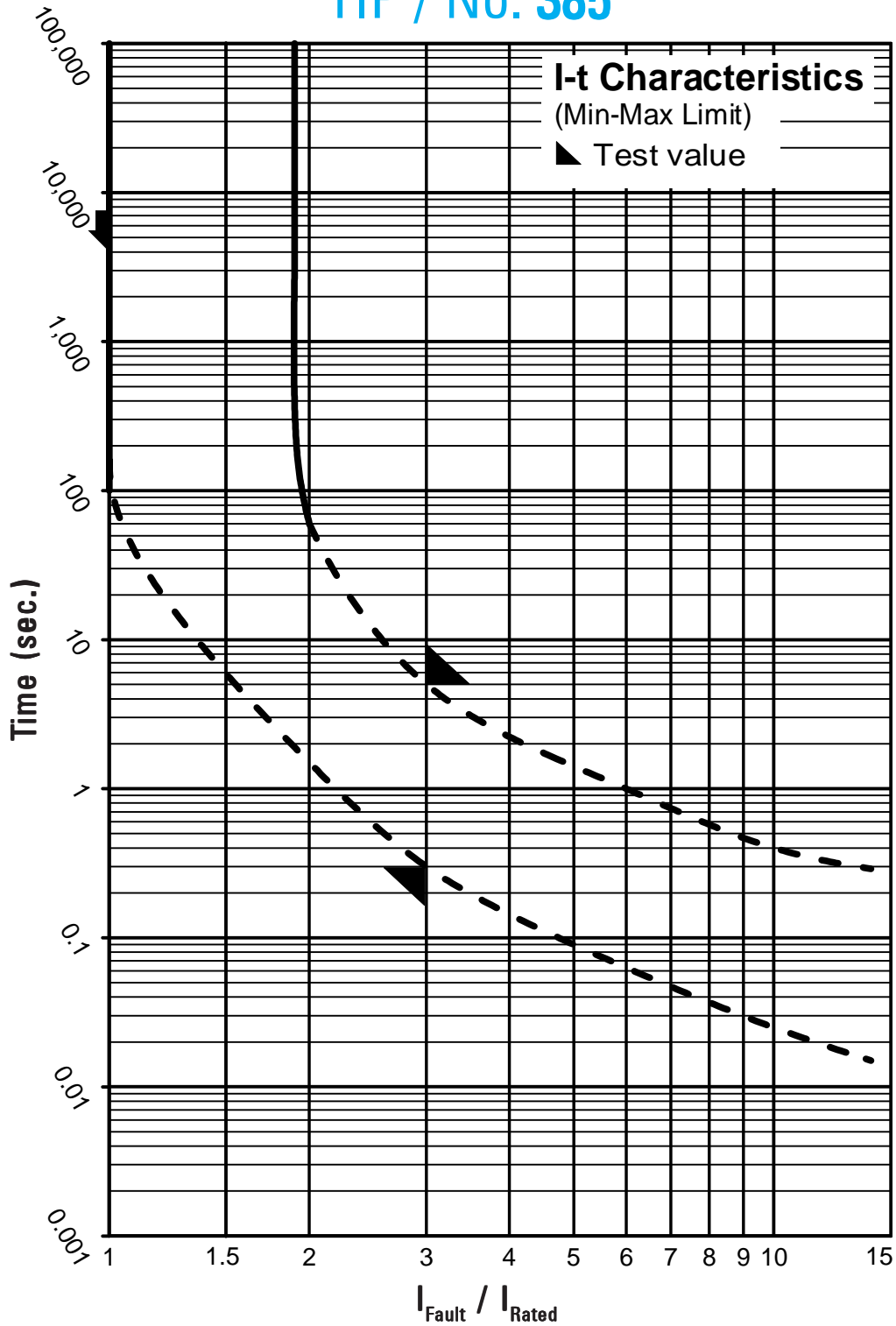
<sup>1</sup> FCC 47 Part 68: Minimum pulse load quantity is 2 pulses at a test generator output of 800V and 10x560µs waveform.  
ITU-T K.20: Minimum pulse load quantity is 30 pulses at a test generator output of 1000V, 67A and 10x700µs waveform.  
Bellcore GR-1089: Minimum pulse load quantity is 50 pulses at a test generator output of 1000V and 10x1000µs.

### Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		385		

Specifications are subject to change without notice

## TIP / No. 385



Contact WICKMANN for individual I-t curves