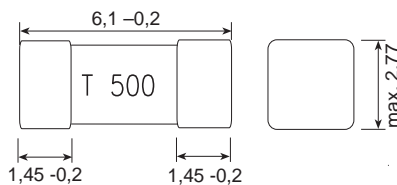


## No. 420 SM

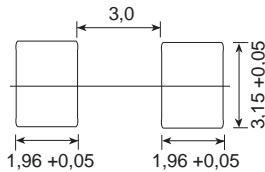
This product is not recommended for new designs. Please refer to Littelfuse No. 452.



### Dimensions (mm)



### Pad Layout



## UL 248-14, 125 V, T

**Time-Current Characteristic**  
Time Lag (T)

**Standard**  
UL 248-14  
CSA C22.2 No. 248.14

**Approvals**  
cULus Recognized

### Features

- Heat resistant ceramic housing
- For line or low voltage applications
- Low voltage drop
- Internationally approved
- High pulse resistance
- Also available as holder system 425 with mounted fuse 420

### WebLinks

**Further infos 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)

## Specifications

### Packaging

- 000: Blister tape 18 cm reel (1000 pcs.)
- 001: Blister tape 33 cm reel (5000 pcs.)
- Tape width 12 mm

### Materials

- Housing: Ceramic
- Element: Wire
- Terminals: Copper alloy, silver plated

### Operating Temperature

-55 °C to +125 °C (consider de-rating)

### Climatic Category

-55 °C/+125 °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 (IEC 60068-2-6)
- 10 - 60 Hz at 0.75 mm amplitude
- 60 - 2000 Hz at 10 g acceleration

### Solderability

235 °C, 3 s (IEC 60068-2-58)

### Soldering Heat Resistance

260 °C, 10 s (IEC 60068-2-58)

### Minimum Cross Section, Copper

Conducting path - 0.175 mm<sup>2</sup>  
Thickness - 0.035 mm

### Mounting

Avoid circuit traces below the fuse

### Marking

T, Current Rating

### Unit Weight

0.23g (approx.)

### Limits for Pre-arcing Time

Rated Current	2.0 x I <sub>N</sub>
500 mA ... 5.00 A	1 s ... 60 s



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

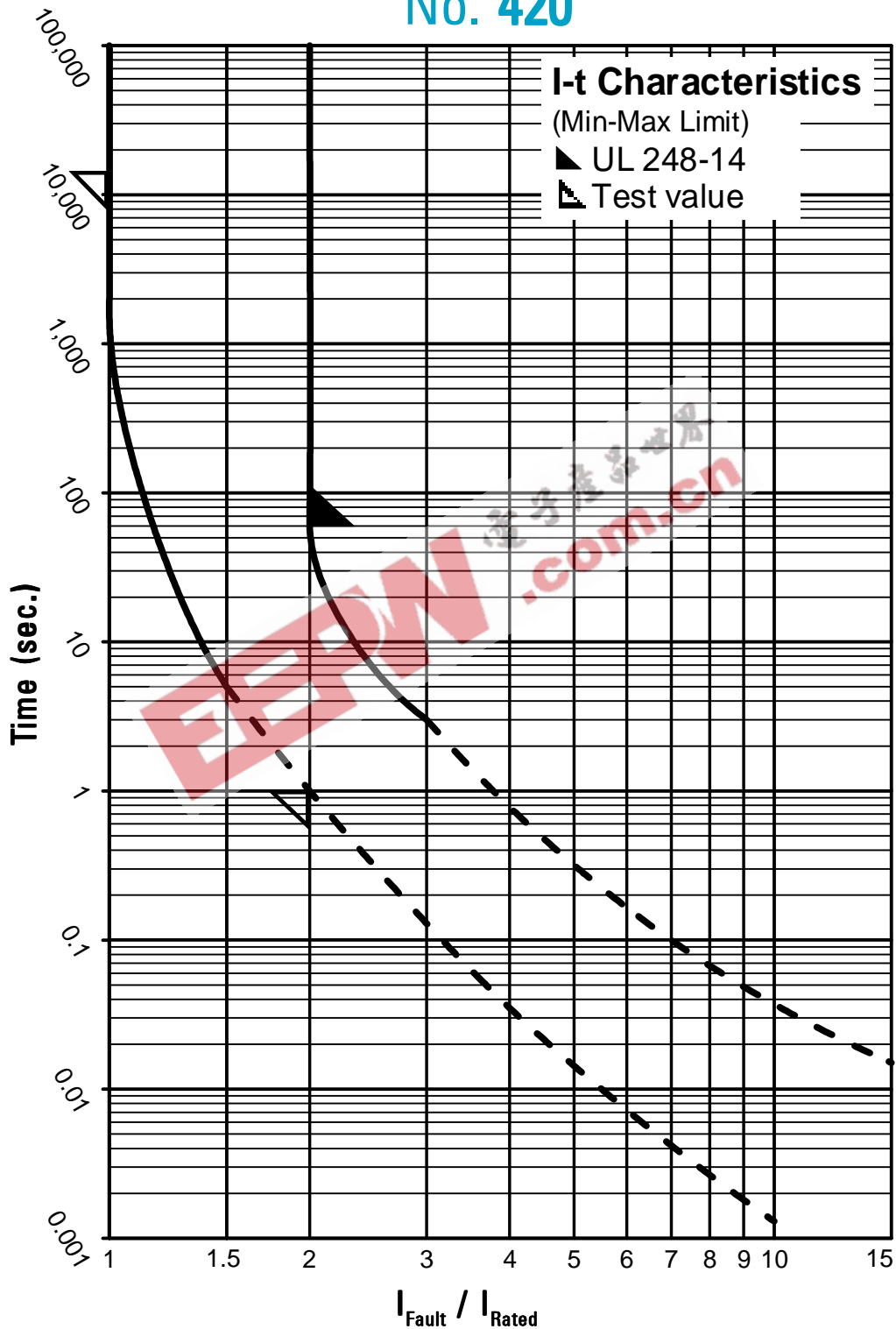
Rated Current	Amp code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I <sub>N</sub> (⊕) typ. (mV)	Power Dissipation 1.0 x I <sub>N</sub> (⊕) typ. (mW)	Melting Integral 10 x I <sub>N</sub> (⊕)		Approvals cURus
						min. (A <sup>2</sup> s)	typ.	
500mA	0500	125V	50 A / 125 V AC 50-60Hz cos φ = 1.0	210	120	0.30	0.39	•
750mA	0750	125V		300	270	0.75	1.0	•
1.00A	1100	125V	50 A / 80 V DC	270	435	1.60	2.2	•
1.50A	1150	125V		150	270	3.20	5.0	•
2.00A	1200	125V	35 A / 125 V AC 50-60 Hz; cos φ = 1.0	165	380	5.50	6.8	•
2.50A	1250	125V		130	400	8.50	11.0	•
3.00A	1300	125V	50 A / 80 V DC	125	450	11.0	14.5	•
3.50A	1350	125V		112	512	21.0	28.0	•
4.00A	1400	125V	35 A / 125 V AC 50-60 Hz; cos φ = 1.0	110	560	30.0	40.0	•
5.00A	1500	125V		100	620	50.0	74.0	•

### Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		420		

Specifications are subject to change without notice

## No. 420



Contact WICKMANN for individual I-t curves