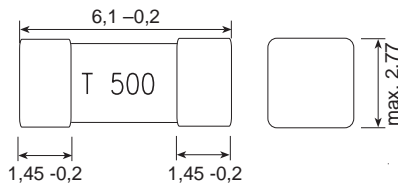


## No. 420 SM

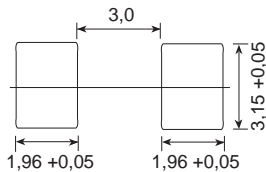
This product is not recommended for new designs. Please refer to Littelfuse No. 452.



### Dimensions (mm)



### Pad Layout



### Limits for Pre-arcing Time

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

## 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 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)

## 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.)



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

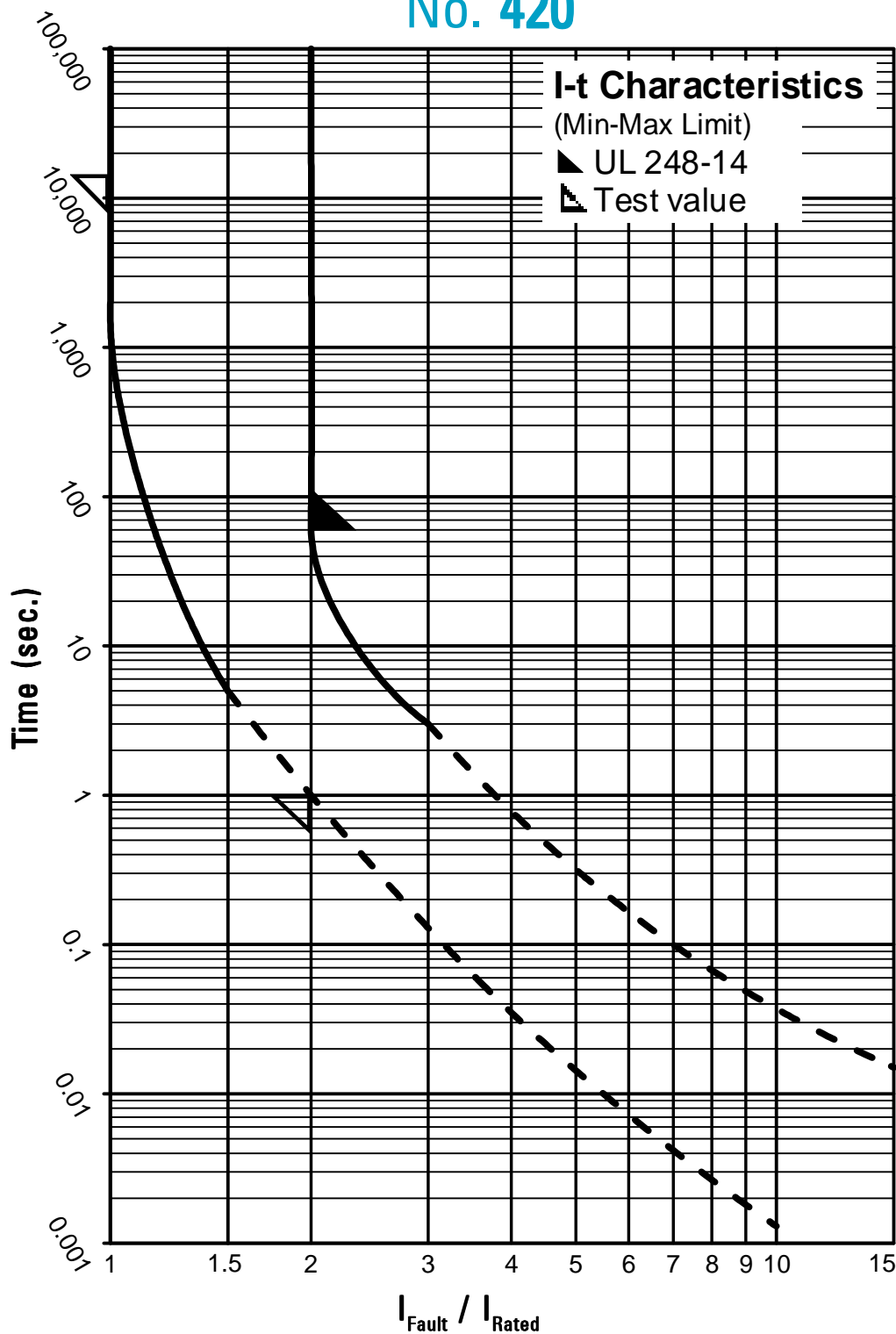
Rated Current	Amp code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I <sub>N</sub> (W) typ. (mV)	Power Dissipation 1.0 x I <sub>N</sub> (W) typ. (mW)	Melting Integral 10 x I <sub>N</sub> (W) min. (A <sup>2</sup> s) typ.	Approvals cULus	
500mA	0500	125V	50 A / 125 V AC 50-60Hz cos φ = 1.0 50 A / 80 V DC	210	120	0.30	0.39	•
750mA	0750	125V		300	270	0.75	1.0	•
1.00A	1100	125V		270	435	1.60	2.2	•
1.50A	1150	125V		150	270	3.20	5.0	•
2.00A	1200	125V		165	380	5.50	6.8	•
2.50A	1250	125V	130	400	8.50	11.0	•	
3.00A	1300	125V	35 A / 125 V AC 50-60 Hz; cos φ = 1.0 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		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