

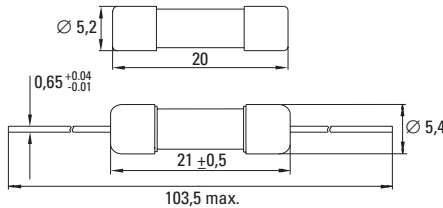
## 5x20mm / No. 197

## UL 248-14, 250V, M

## Specifications



### Dimensions (mm)



### Time-Current Characteristic

Medium Time Lag (M)

### Standard

UL 248-14  
CSA C22.2 No. 248.14

### Approvals

UL Listed: File No. E 67006  
cUL Listed: File No. E 67006

### Features

Visual fault indication  
Direct solderable or plug-in versions  
Internationally approved  
Worldwide availability

### WebLinks

#### Data Sheet

[www.wickmann.com/prducts/197.pdf](http://www.wickmann.com/prducts/197.pdf)

#### Approval Certificates

[www.wickmann.com/approvals](http://www.wickmann.com/approvals)

#### Time-Current Curve

[www.wickmann.com/itcurves](http://www.wickmann.com/itcurves)

#### Packaging

[www.wickmann.com/pack](http://www.wickmann.com/pack)

#### FaxBack Document # 201

### Packaging

000: Bulk (1000 pcs.)  
040: Axial Leads - Bulk (1000 pcs.)  
043: Axial Leads - Tape/Reel (1250 pcs.)

### Materials

Tube: Glass  
End Caps: Nickel-plated brass  
Axial Leads: Silver-plated caps  
Tin-plated copper wires

### Operating Temperature

-25°C to +70°C (consider de-rating)

### Climatic Category

-25°C/+70°C/21 days (EN 60068-1.3)

### 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 - 60Hz at 0.75mm amplitude  
60 - 2000Hz at 10g acceleration

### Solderability

260°C, ≤ 3 sec. (Wave)  
350°C, ≤ 1 sec. (Hand)

### Soldering Heat Resistance

260°C, 10 sec. (IEC 60068-2-20)

### Marking

, Current Rating, 250VAC, 197, Approvals

### Unit Weight

1.0g (approx.)  
1.9g (with leads)

### Limits for Pre-arcing Time

Rated Current	1.35 x I <sub>Rated</sub>	2.0 x I <sub>Rated</sub>
250mA ... 7.00A	< 1h	< 120s



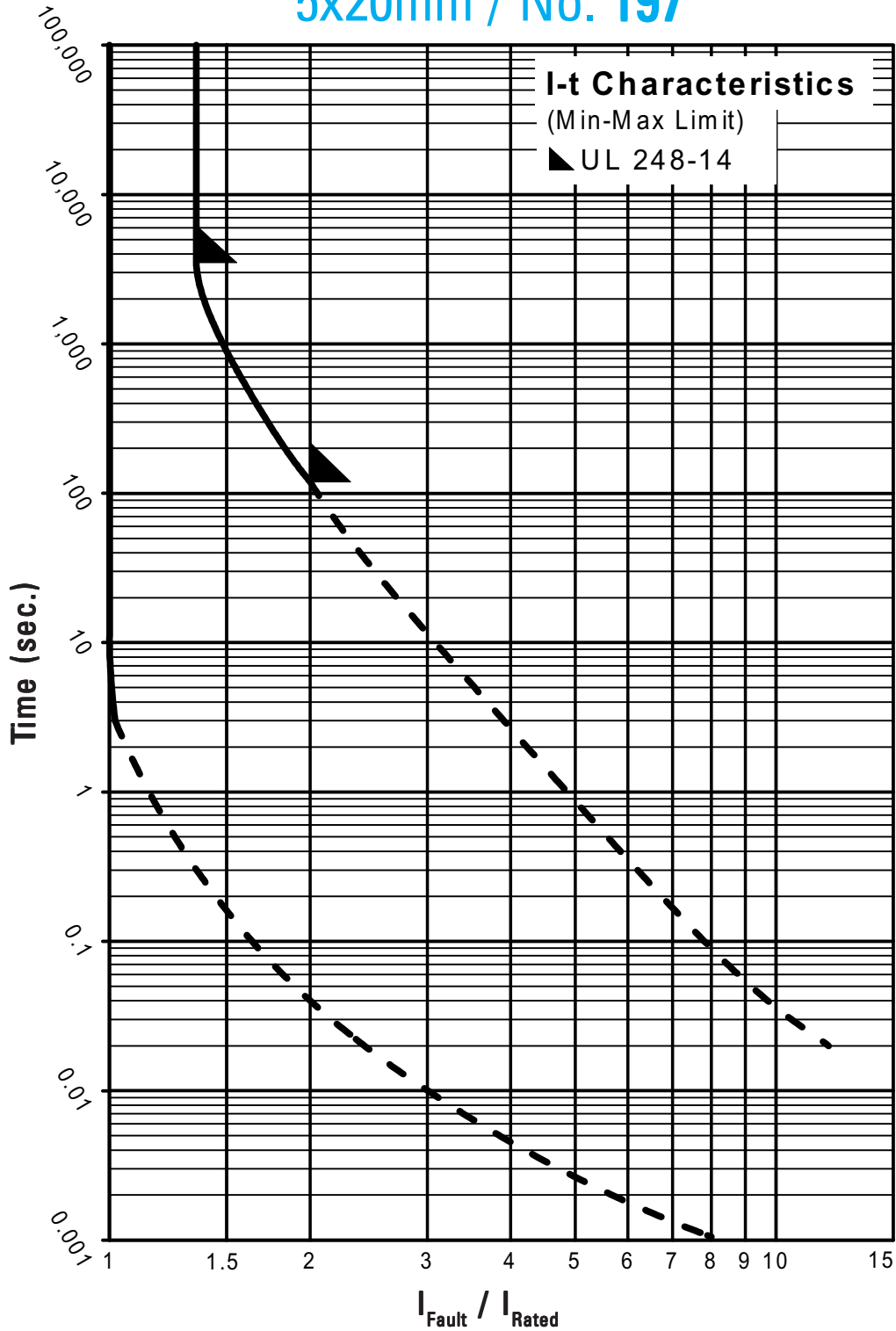
### Permissible continuous operating current is ≤ 75% at ambient temperature of 23°C (73.4°F).

Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I <sub>Rated</sub> max. (mV)	Power Dissipation 1.0 x I <sub>Rated</sub> max. (W)	Melting Integral 10 x I <sub>Rated</sub> typ. (A <sup>2</sup> s)	Approvals
250mA	0250	250V		350	0.3	0.019	• •
300mA	0300	250V		300	0.3	0.038	• •
350mA	0350	250V		300	0.4	0.065	• •
400mA	0400	250V	35A / 250VAC	280	0.4	0.092	• •
500mA	0500	250V	10kA / 125VAC	250	0.4	0.19	• •
600mA	0600	250V	50-60Hz	230	0.5	0.31	• •
700mA	0700	250V	cos φ = 0.7-0.8	210	0.5	0.43	• •
800mA	0800	250V		200	0.6	0.48	• •
1.00A	1100	250V		180	0.6	1.3	• •
1.25A	1125	250V		170	0.7	2.2	• •
1.60A	1160	250V		150	0.8	4.3	• •
2.00A	1200	250V	100A / 250VAC	130	0.9	8.6	• •
2.50A	1250	250V	10kA / 125VAC	120	1.0	10	• •
3.00A	1300	250V	50-60Hz	115	1.1	17	• •
3.50A	1350	250V	cos φ = 0.7-0.8	110	1.3	26	• •
4.00A	1400	125V		105	1.3	32	• •
5.00A	1500	125V	100A / 250VAC	100	1.4	55	• •
6.00A	1600	125V	10kA / 125VAC	95	1.4	96	• •
7.00A	1700	125V	50-60Hz	90	1.4	140	• •

### Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		197		

## 5x20mm / No. 197



Contact WICKMANN for individual I-t curves