

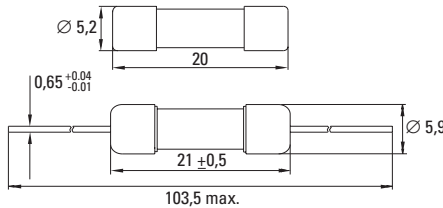
## 5x20mm / No. 197

## 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  
METI: File No. JET1696-31003-1001

### Features

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

### WebLinks

#### Data Sheet - latest version

[www.wickmannusa.com/products/197.pdf](http://www.wickmannusa.com/products/197.pdf)

#### Approval Certificates

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

#### Time-Current Curve

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

#### Packaging

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

#### For Application Information refer to

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

### Packaging Code and Info

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	$1.35 \times I_{\text{Rated}}$	$2.0 \times I_{\text{Rated}}$
250mA ... 7.00A	< 1h	< 120s



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

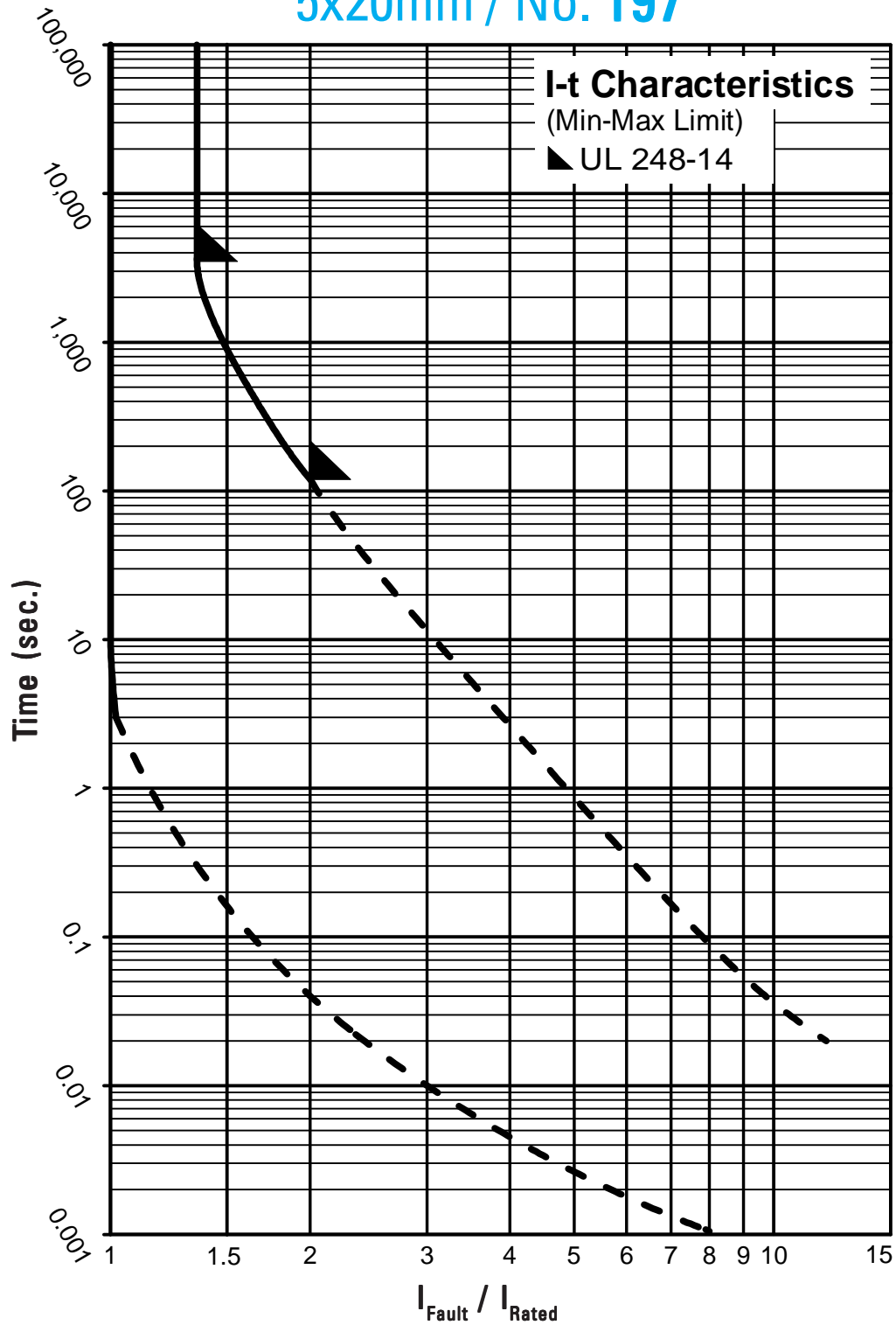
Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop $1.0 \times I_{\text{Rated}}$ max. (mV)	Power Dissipation $1.0 \times I_{\text{Rated}}$ max. (W)	Melting Integral $10 \times I_{\text{Rated}}$ typ. (A <sup>2</sup> s)	Approvals		
							UL	cUL	METI
250mA	0250	250V		350	0.3	0.019	•	•	
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	100A / 250VAC	150	0.8	4.3	•	•	•
2.00A	1200	250V	10kA / 125VAC	130	0.9	8.6	•	•	•
2.50A	1250	250V	50-60Hz	120	1.0	10	•	•	•
3.00A	1300	250V	cos φ = 0.7-0.8	115	1.1	17	•	•	•
3.50A	1350	250V		110	1.3	26	•	•	•
4.00A	1400	125V		105	1.3	32	•	•	•
5.00A	1500	125V	10kA / 125VAC	100	1.4	55	•	•	•
6.00A	1600	125V	50-60Hz	95	1.4	96	•	•	•
7.00A	1700	125V	cos φ = 0.7-0.8	90	1.4	140	•	•	•

### Order Information

Qty.	Order-Number	Series	Amp Code	Pack. Code
		197		

Specifications are subject to change without notice.

## 5x20mm / No. 197



Contact WICKMANN for individual I-t curves