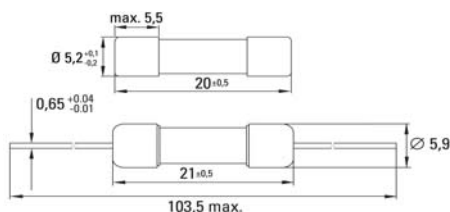


## 5x20mm / No. 198

This product is not recommended for new designs. Please refer to Littelfuse No. 239.



### Dimensions (mm)



Optional Holders

## UL 248-14, 250V, D

### Time-Current Characteristic

Time Delay (D)

### Standard

UL 248-14  
CSA C22.2 No. 248.14

### Approvals

UL Listed  
CSA Certified

### Features

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

### WebLinks

#### Further info see:

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

#### Further application info see fuseology:

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

## Specifications

### Packaging

000: Bulk (1000 pcs.)  
002: Bulk (20x10 pcs.)  
043: With mounted holder - Tape/Reel (1250 pcs.) on request

### Materials

Tube: Glass  
End Caps: Nickel-plated brass  
Optional Holders: Nickel-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, D, 198, Approvals

### Unit Weight

1.1g (approx.)  
2.0g (with leads)

### Limits for Pre-arcing Time

Rated Current	1.35 x I <sub>Rated</sub>	2.0 x I <sub>Rated</sub>
80mA ... 3.00A	< 1h	5s ... 120s
3.50A	< 1h	12s ... 120s



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

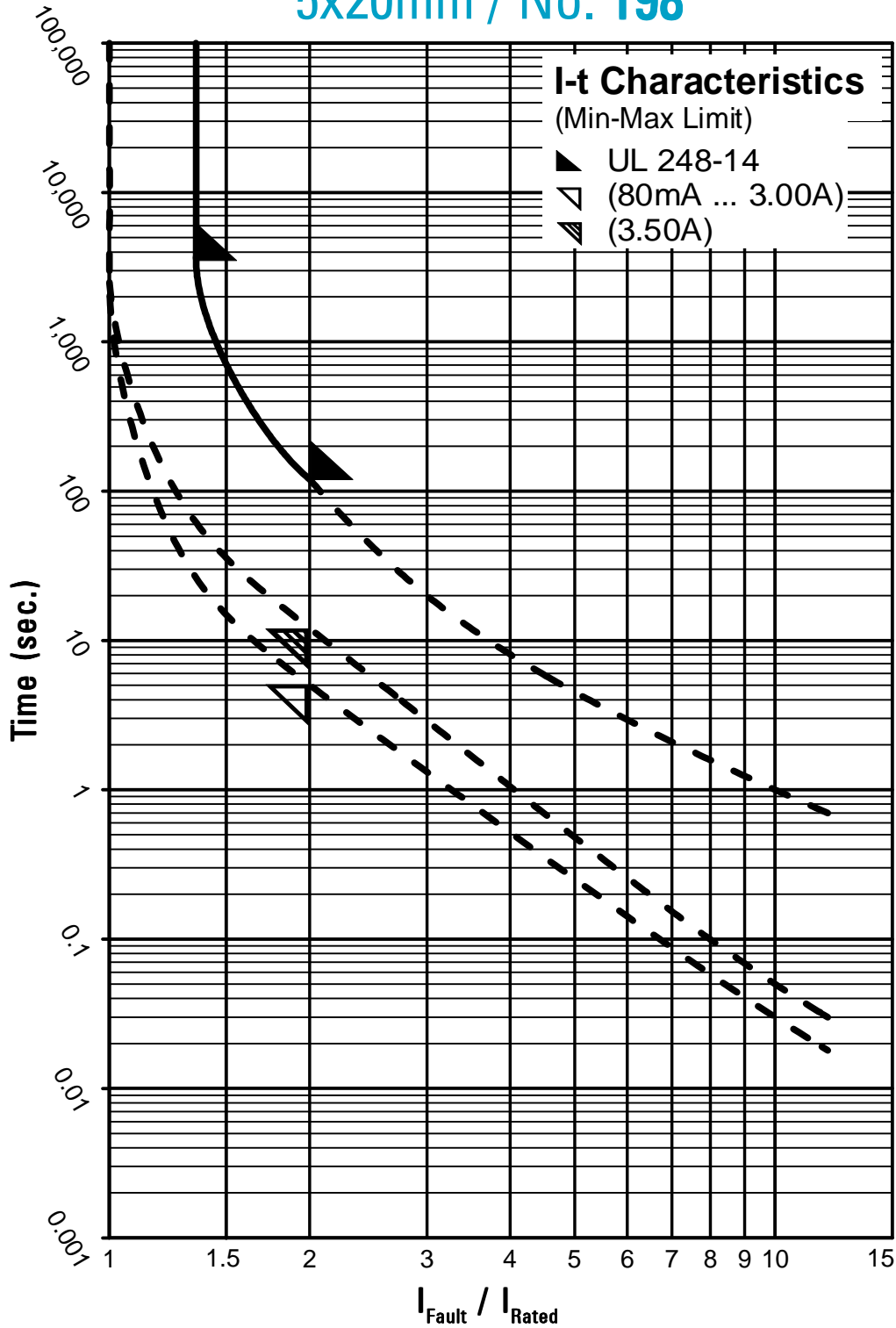
Rated Current	Amp Code	Voltage Rating	Breaking Capacity	Voltage Drop 1.0 x I <sub>Rated</sub> max. (mV)	Power Dissipation 1.0 x I <sub>Rated</sub> max. (W)	Melting Integral 10 x I <sub>Rated</sub> min. (A <sup>2</sup> s)	Approvals UL CSA
80mA	0080	250V		2800	0.4	0.019	• •
100mA	0100	250V		2400	0.5	0.038	• •
125mA	0125	250V		2100	0.5	0.066	• •
150mA	0150	250V		1800	0.5	0.10	• •
200mA	0200	250V		1300	0.6	0.18	• •
250mA	0250	250V		1100	0.7	0.29	• •
300mA	0300	250V		1050	0.7	0.5	• •
400mA	0400	250V		850	0.8	1.0	• •
500mA	0500	250V		650	0.8	1.6	• •
600mA	0600	250V		550	0.8	2.7	• •
700mA	0700	250V		500	0.9	3.7	• •
800mA	0800	250V		400	0.9	5.6	• •
1.00A	1100	250V		350	1.0	9.5	• •
1.25A	1125	250V		300	1.0	15	• •
1.60A	1160	250V		270	1.1	25	• •
2.00A	1200	250V		235	1.1	46	• •
2.50A	1250	250V		215	1.2	83	• •
3.00A	1300	250V		200	1.3	110	• •
3.50A	1350	250V		200	1.3	180	• •
			35A / 250VAC 10kA / 125VAC 50-60Hz cos φ = 0.7-0.8				
			100A / 250VAC 10kA / 125VAC 50-60Hz cos φ = 0.7-0.8				

### Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		198		

Specifications are subject to change without notice

## 5x20mm / No. 198



Contact WICKMANN for individual I-t curves