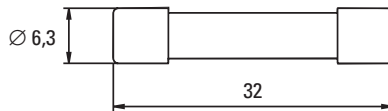


## 6.3x32 mm / No. 231 **Special Type, 500 V, FF** **Leadfree**



### Dimensions (mm)



### Time-Current Characteristic

Very Quick Acting (FF)

**Standard**  
None

**Approvals**  
None

### Features

- Designed for semiconductor protection
- For high voltage applications
- High breaking capacity
- Pluggable into clips or shocksafe holders

## Specifications

### Packaging

002: Pack (100 pcs.)

### Materials

Tube: Ceramic  
End Caps: Nickel-plated brass

### 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 60068-2-6)  
10 - 60 Hz at 0.75 mm amplitude  
60 - 2000 Hz at 10 g acceleration

### Marking

Ⓢ, FF, Current Rating, 500 V

### Unit Weight

2.5 g (approx.)

### Limits for Pre-arcing Time

Rated Current	1.0 x I <sub>N</sub> <sup>1</sup>	1.5 x I <sub>N</sub>	2.75 x I <sub>N</sub>	4 x I <sub>N</sub>	10 x I <sub>N</sub>
2.00 A ... 16.00 A	> 1 h	< 30 min	2 ms ... 100 ms	1 ms ... 25 ms	< 3 ms



### Permissible continuous operating current is ≤ 80% 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> Ⓢ max. (mV)	Power Dissipation 1.0 x I <sub>N</sub> Ⓢ max. (W)	Melting Integral 10 x I <sub>N</sub> Ⓢ max. (A <sup>2</sup> s)	Approvals
2.00 A	1200	500 V	1000A / 500VAC 50-60Hz cos φ = 1.0	800	3.0	0.35	None
2.50 A	1250	500 V		800	3.0	0.44	
3.15 A	1315	500 V		800	3.0	0.75	
4.00 A <sup>2</sup>	1400	500 V		700	3.6	1.6	
5.00 A <sup>2</sup>	1500	500 V		600	3.6	2.5	
6.30 A <sup>2</sup>	1630	500 V		600	3.6	5	
8.00 A <sup>2</sup>	1800	500 V		600	5.2	10	
10.00 A <sup>2</sup>	2100	500 V		500	5.2	20	
12.50 A <sup>2</sup>	2125	500 V		500	6.3	38	
16.00 A <sup>1,2</sup>	2160	500 V		480	6.3	68	

<sup>1</sup> 16.00 A: 0.9 x I<sub>N</sub> > 1 h

<sup>2</sup> Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.

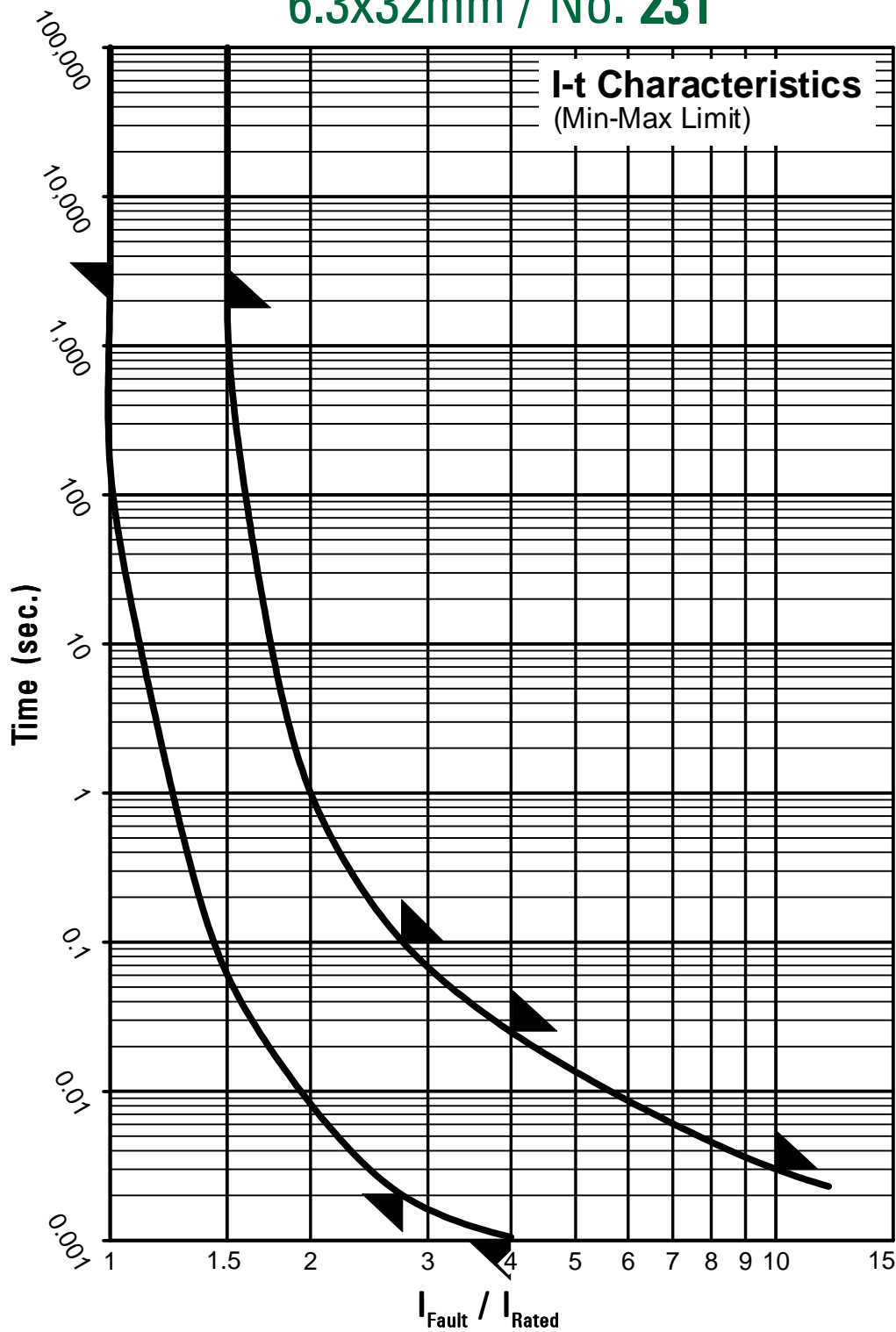
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

### Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		231		

Specifications are subject to change without notice

## 6.3x32mm / No. 231



Contact Littelfuse for individual I-t curves