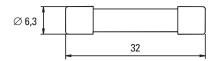


# 6.3x32 mm / No. **231**

## Leadfree



#### Dimensions (mm)



## Special Type, 500 V, FF

#### 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  $\leq$  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

ѝ , FF, Current Rating, 500 V

#### Unit Weight

2.5 g (approx.)

| Limits for Pre-arcing Time |                        |                      |                       |                    |                     |  |
|----------------------------|------------------------|----------------------|-----------------------|--------------------|---------------------|--|
| Rated Current              | $1.0 \times I_{N}^{1}$ | 1.5 x l <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  | Amp  | Voltage | Breaking             | Voltage Drop           | Power Dissipation      | n Melting Integral      | Approvals |
| Current  | Code | Rating  | Capacity             | 1.0 x l <sub>N</sub> 🐝 | 1.0 x l <sub>N</sub> 🐝 | 10 x I <sub>N</sub> 🐝   |           |
|  |      |         |                      | max. (mV)              | max. (W)               | max. (A <sup>2</sup> s) |           |
| 2.00 A   | 1200 | 500 V   |                      | 800                    | 3.0                    | 0.35                    |           |
| 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   | 1000A / 500VAC       | 700                    | 3.6                    | 1.6                     |           |
| 5.00 A <sup>2</sup>  | 1500 | 500 V   | 50-60Hz              | 600                    | 3.6                    | 2.5                     |           |
| 6.30 A <sup>2</sup>  | 1630 | 500 V   | $\cos \varphi = 1.0$ | 600                    | 3.6                    | 5                       | None      |
| 8.00 A <sup>2</sup>  | 1800 | 500 V   | 003 φ = 1.0          | 600                    | 5.2                    | 10<br>20                |           |
| 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                    | 38<br>68                |           |

 $<sup>\</sup>frac{1}{2}$  16.00 A:  $0.9 \times I_N > 1 \text{ h}$ 

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

Order Information

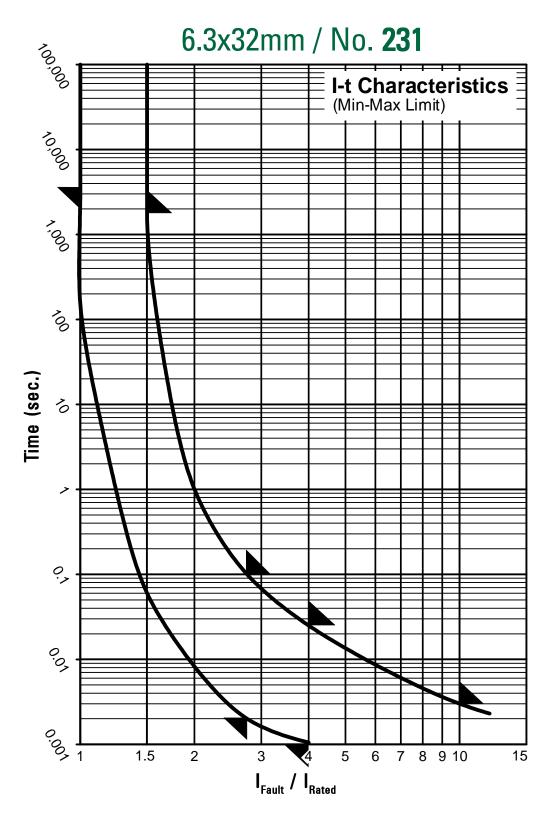
| Qty. | Order- | Series | Amp Code | Packaging |
|------|--------|--------|----------|-----------|
|      | Number | 231    |          |           |

Specifications are subject to change without notice



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





Contact Littelfuse for individual I-t curves