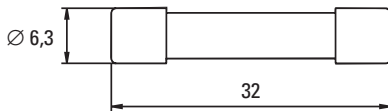


6.3x32 mm / No. 231 **Special Type, 500 V, FF** **Leadfree**



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	$1.0 \times I_N^1$	$1.5 \times I_N$	$2.75 \times I_N$	$4 \times I_N$	$10 \times I_N$
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 $1.0 \times I_N$ Ⓜ max. (mV)	Power Dissipation $1.0 \times I_N$ Ⓜ max. (W)	Melting Integral $10 \times I_N$ Ⓜ max. (A ² 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 ²	1400	500 V		700	3.6	1.6	
5.00 A ²	1500	500 V		600	3.6	2.5	
6.30 A ²	1630	500 V		600	3.6	5	
8.00 A ²	1800	500 V		600	5.2	10	
10.00 A ²	2100	500 V		500	5.2	20	
12.50 A ²	2125	500 V		500	6.3	38	
16.00 A ^{1,2}	2160	500 V		480	6.3	68	

¹ 16.00 A: $0.9 \times I_N > 1$ h

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

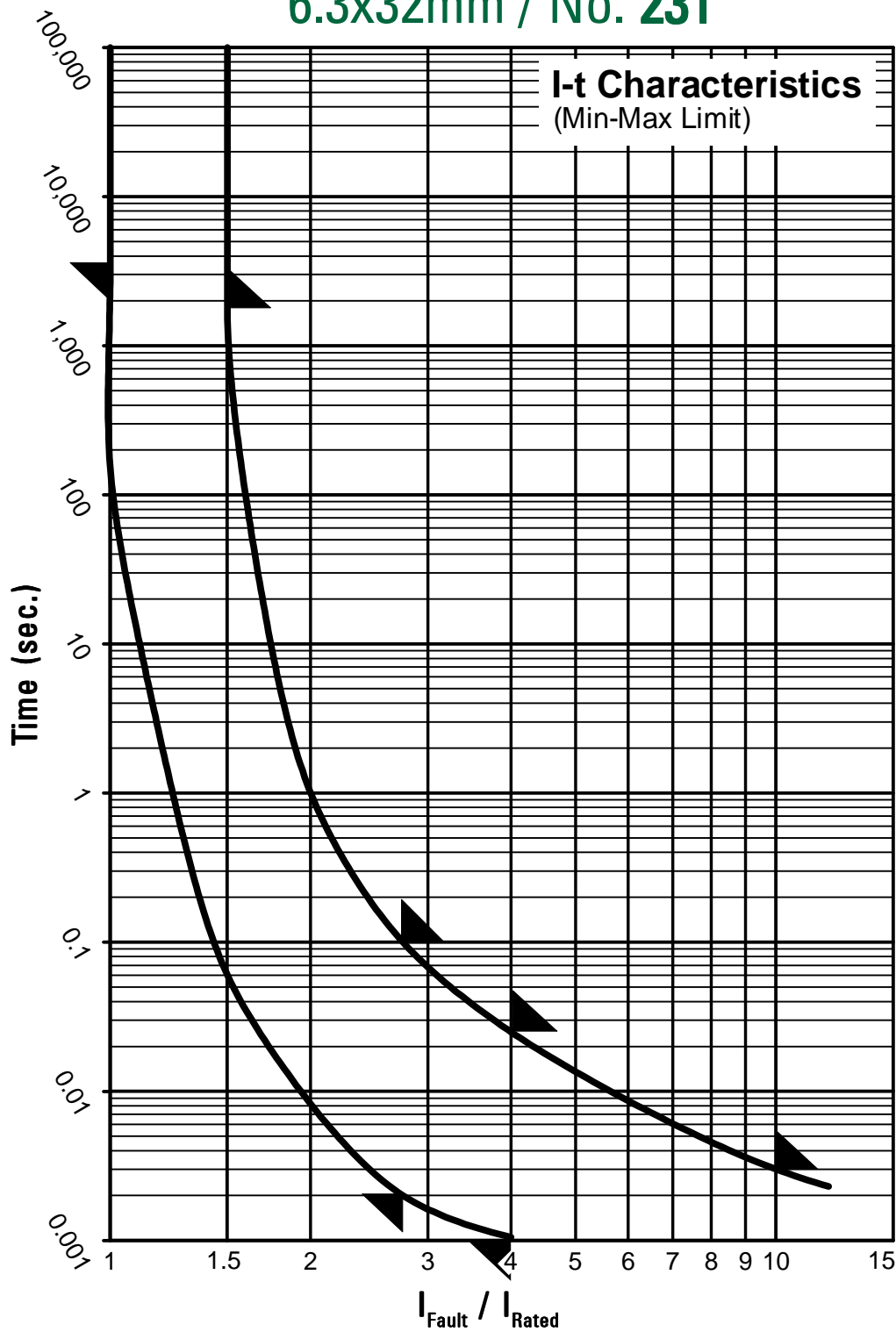
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

[23118000009](#) [23118000029](#) [23113150009](#) [23113150029](#) [23116300029](#) [23116300009](#) [23121250009](#)
[23121250029](#) [23111600009](#) [23121600009](#) [23121600029](#) [23111600029](#) [23115000009](#) [23114000009](#) [23112000009](#)
[23121000009](#) [23121000029](#) [23114000029](#) [23112000029](#) [23115000029](#) [23112500029](#) [23112500009](#)
[23121000409](#)