

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 ≤ 75 % yearly average,
without dew, maximum value for 30 days-95 %

Vibration Resistance

24 cycles at 15 min. each (EN 60068-6)
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. (A²s)	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.

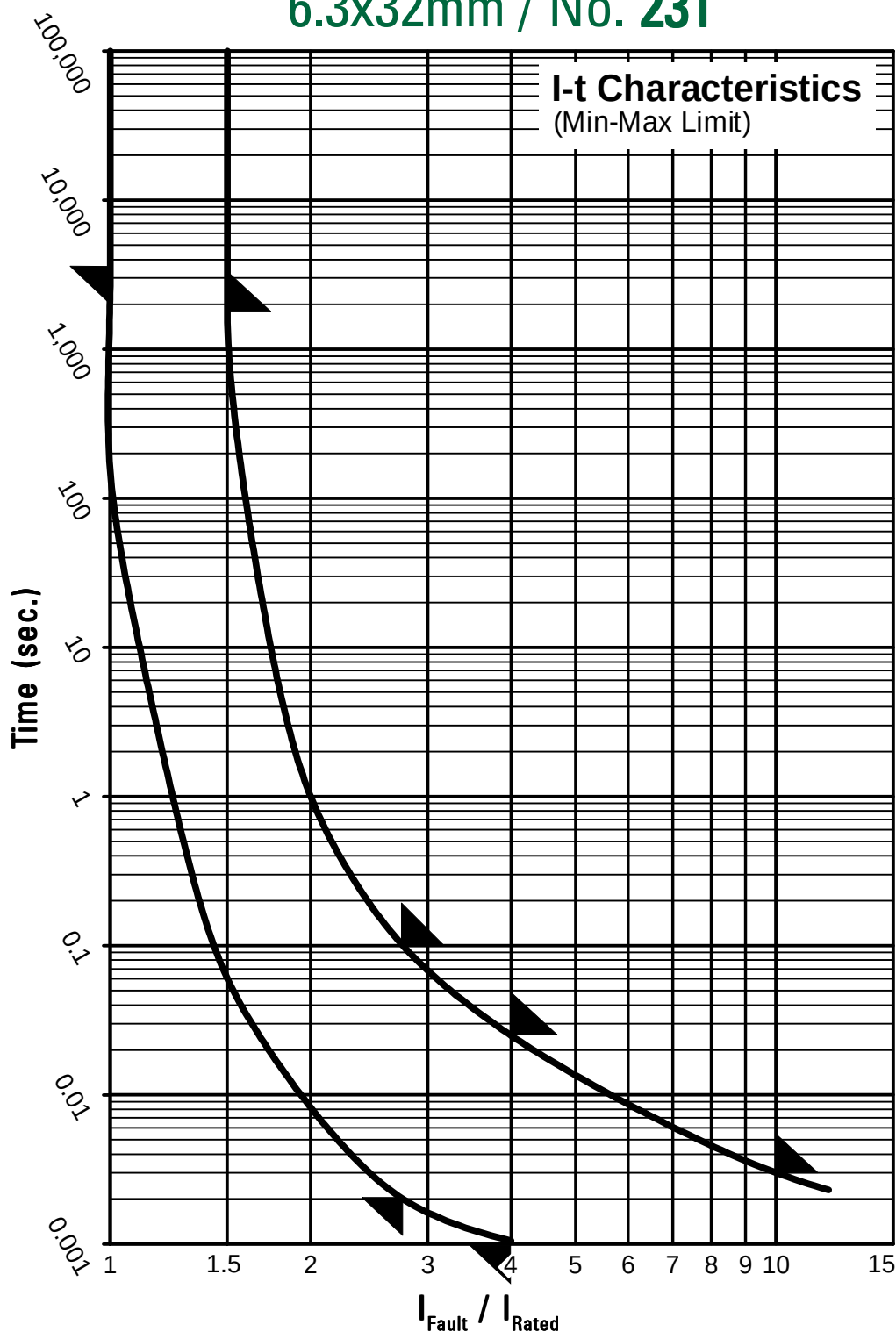
Note: 1.00 means the number one with two decimal places. 1,000 means the number one thousand.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		231		

Specifications are subject to change without notice

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Contact Littelfuse for individual I-t curves