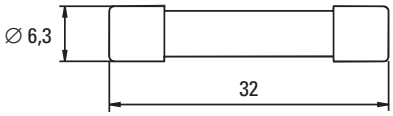
6.3x32 mm / No. 231 Leadfree



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 60068-2-6)
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_N [1]	1.5 x I_N	2.75 x I_N	4 x I_N	10 x I_N
2.00 A ... 16.00 A	> 1 h	< 30 min	2 ms ... 100 ms	1 ms ... 25 ms	< 3 ms

RoHS

Pb

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_N Ⓦ max. (mV)	Power Dissipation 1.0 x I_N Ⓦ max. (W)	Melting Integral 10 x I_N Ⓦ max. (A^2s)	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 x 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

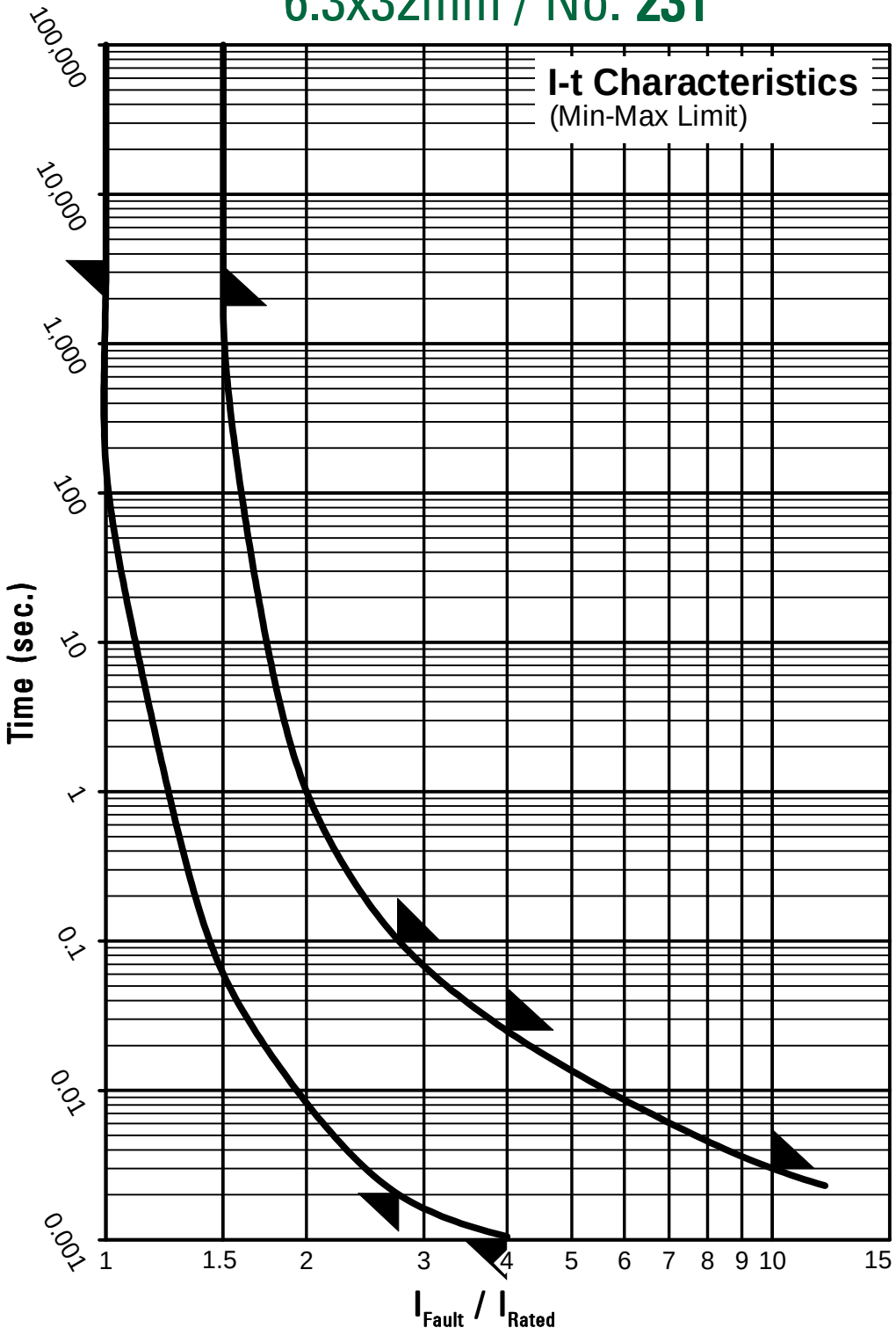
Qty.	Order-Number	Series	Amp Code	Packaging
		231		

Specifications are subject to change without notice

WICKMANN Ⓦ

In our continuing strategy to deliver unparalleled circuit protection solutions, technical expertise and application leadership, we proudly introduce the WICKMANN Group and its products to the Littelfuse portfolio.

6.3x32mm / No. 231



Contact Littelfuse for individual I-t curves

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Mouser Electronics

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23118000009 23118000029 23113150009 23113150029 23116300029 23121250009 23121250029 23111600009 23121600009 23121600029 23111600029 23115000009 23114000009 23112000009 23121000029 23114000029 23112000029 23115000029 23112500029 23112500009 23121000409