5x20 mm/ No. 230

250V

Time-Current Characteristic
Very Quick Acting (FF)

Standard
None

Approvals
None

Specifications

Packaging
000: Bulk (1.000 pcs.)
002: Pack (100 pcs.)

Materials
Tube: Ceramic
End Caps: Nickel-plated brass

Operating Temperature
-25 °C to +70 °C (consider de-rating)

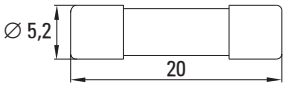
Climatic Category
-25 °C/+70 °C/21 days (EN 60068-1..3)

Stock Conditions
+10 °C to +60 °C
relative humidity ≤ 75 % yearly average, without dew

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, 250V, E

Dimensions (mm)



Limits for Pre-arcing Time					
Rated Current	1.0 x I_N	1.5 x I_N	2.75 x I_N	4 x I_N	10 x I_N
1.60 A ... 10.00 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_N Ⓦ max. (mV)	Power Dissipation 1.5 x I_N Ⓦ max. (W)	Melting Integral 10 x I_N Ⓦ max. (A^2s)	Approvals
1.60 A	1160	250 V	1000 A @ 250 V AC 50 Hz cos φ = 1.0	1000		0.12	None
2.00 A	1200	250 V		600		0.35	
2.50 A	1250	250 V		500		0.44	
3.15 A	1315	250 V		480		0.75	
4.00 A	1400	250 V		480		1.60	
5.00 A [1]	1500	250 V		500		2.50	
6.30 A [1]	1630	250 V		480		5.00	
8.00 A [1]	1800	250 V		400		10.00	
10.00 A [1]	2100	250 V		400		20.00	

[1] 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.

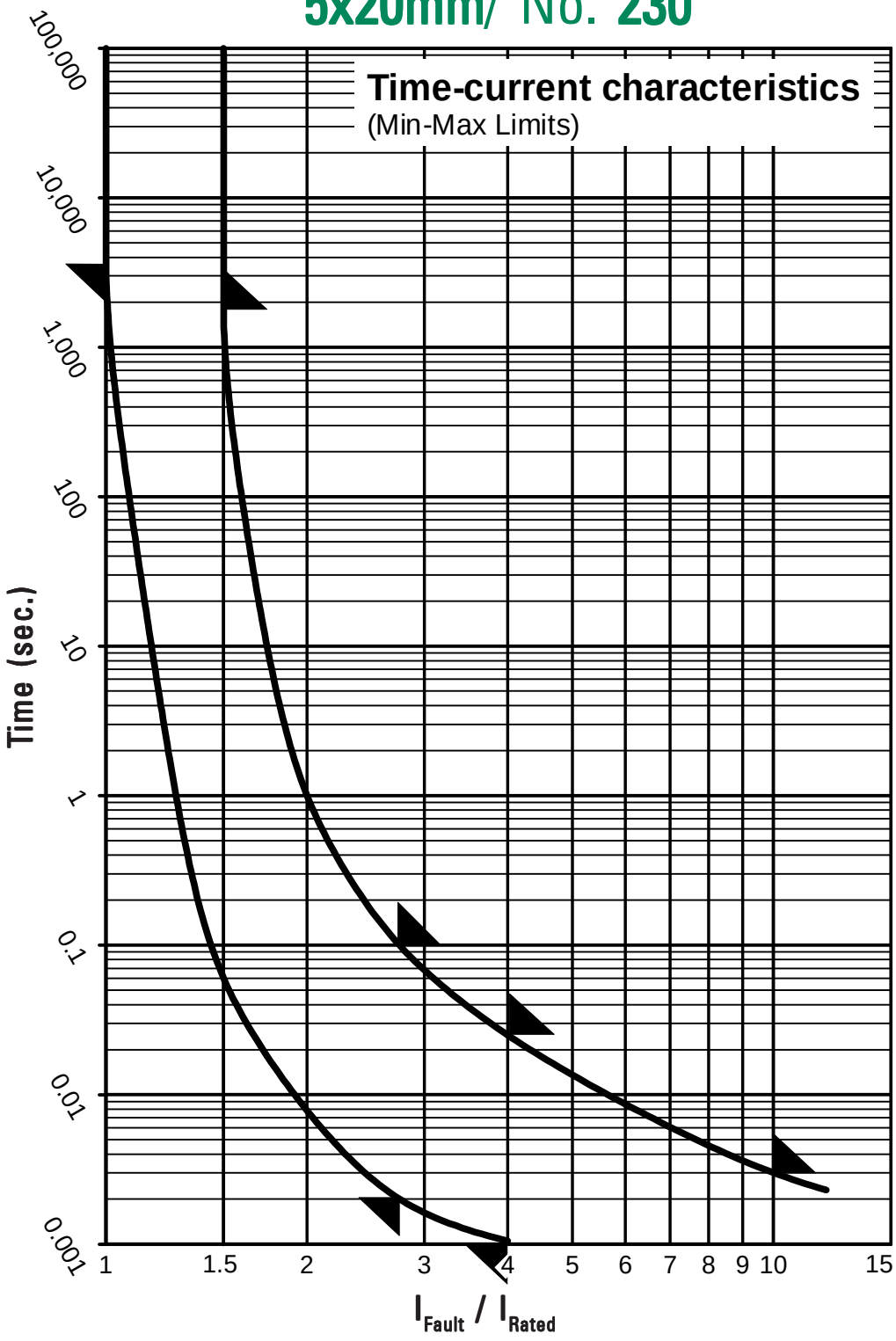
Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		230		

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.

5x20mm/ No. 230



Contact Littelfuse for individual I-t curves

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