

5x20 mm/No. 230

250V

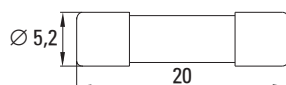
Time-Current Characteristic
Very Quick Acting (FF)

Standard
None

Approvals
None



Dimensions (mm)



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 60068-6)
10 - 60 Hz at 0.75 mm amplitude
60 - 2000 Hz at 10 g acceleration

Marking

Ⓜ, FF, Current Rating, 250V, E

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. (A²s)	Approvals
1.60 A	1160	250 V		1000		0.12	
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	
			1000A 50 Hz cos φ=1.0				None

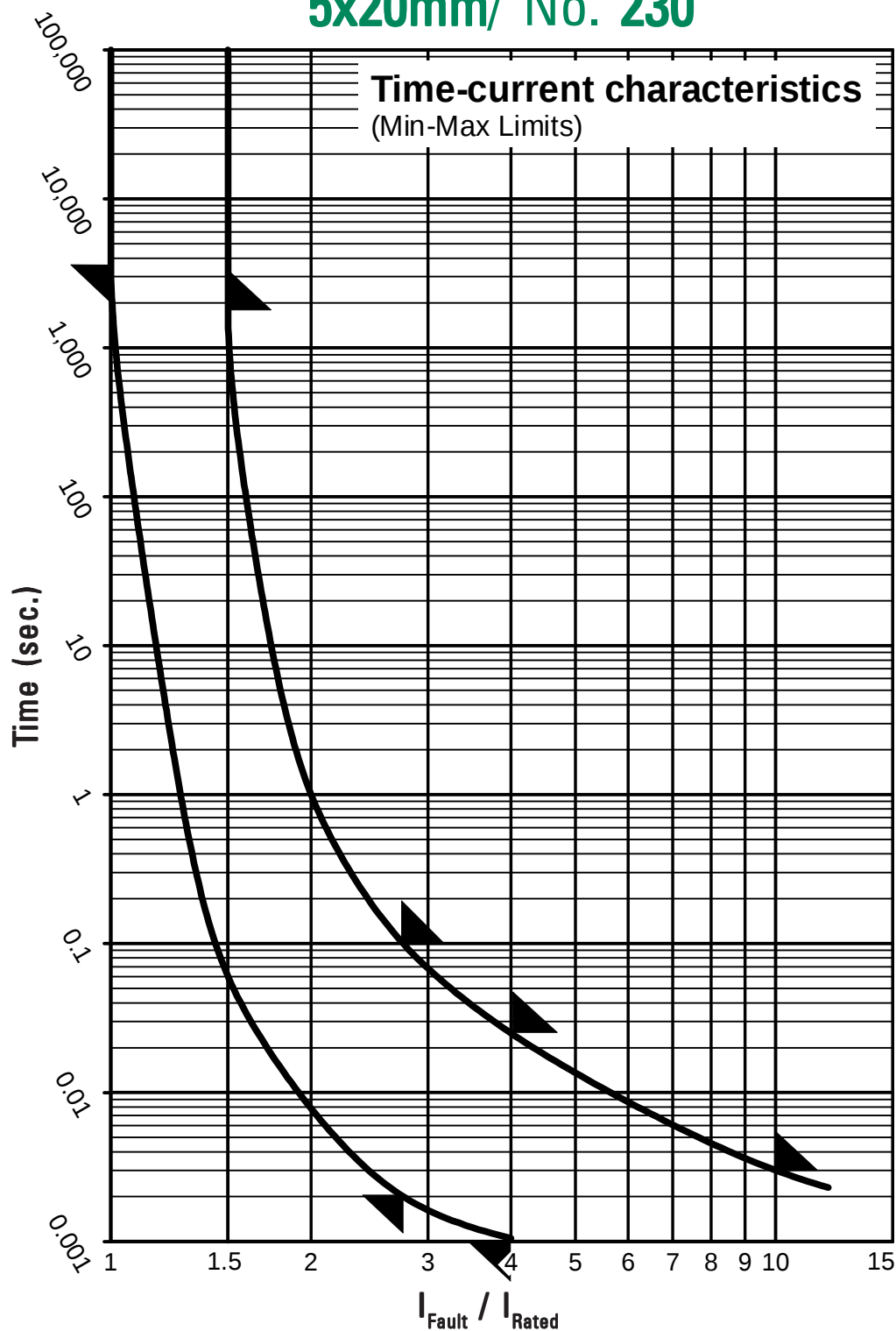
¹ Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.

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		

5x20mm/ No. 230



Contact Littelfuse for individual I-t curves