5x20 mm/ No. 311



Indicator, 250 V

Time-Current Characteristic
Mittelträge (M)

Standard
DIN 41577, T.2

Approvals
None

Specifications

Packaging
002: Pack (20 x 10 pcs.)

Materials
Tube: Ceramic
End Caps: Nickel-plated brass

Operating Temperature
-40 °C to +85 °C (consider de-rating)

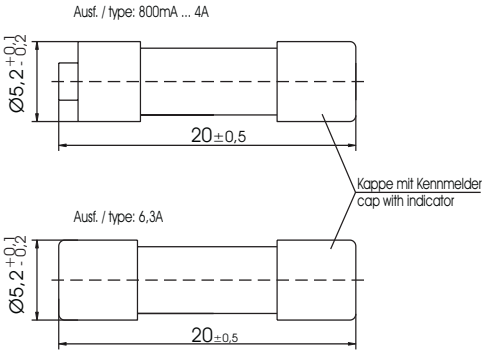
Climatic Category
-40 °C / +85 °C / 21 days
(IEC 60068-1,-2-1,-2-2,-2-78)

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
Ⓦ, M, Current Rating, 250 V, G

Dimensions (mm)



Limits for Pre-arcing Time

Rated Current	1.5 x I_N	2.1 x I_N	2.75 x I_N	4 x I_N	10 x I_N
800 mA ... 6.30 A	> 1 h	< 30 min	-	60 ms ... 2 s	5 ms ... 70 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 Ⓦ min. (A^2s)	Approvals
800 mA	0800	250 V[2]	1500 A @ 250 V AC 50 Hz cos φ = 0.7	400	on request	1.0	None
1 A	1100	250 V[2]		350		1.2	
1.25 A	1125	250 V[2]		310		1.7	
1.6 A	1160	250 V[2]		480		2.5	
2 A	1200	250 V[2]		360		4.5	
2.5 A	1250	250 V[2]		300		8.2	
4 A	1400	250 V[2]		180		30.0	
6.3 A [1]	1630	250 V[2]		160		94.0	

[1] without gauge stud
[2] operating voltage ≥ 10 V

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

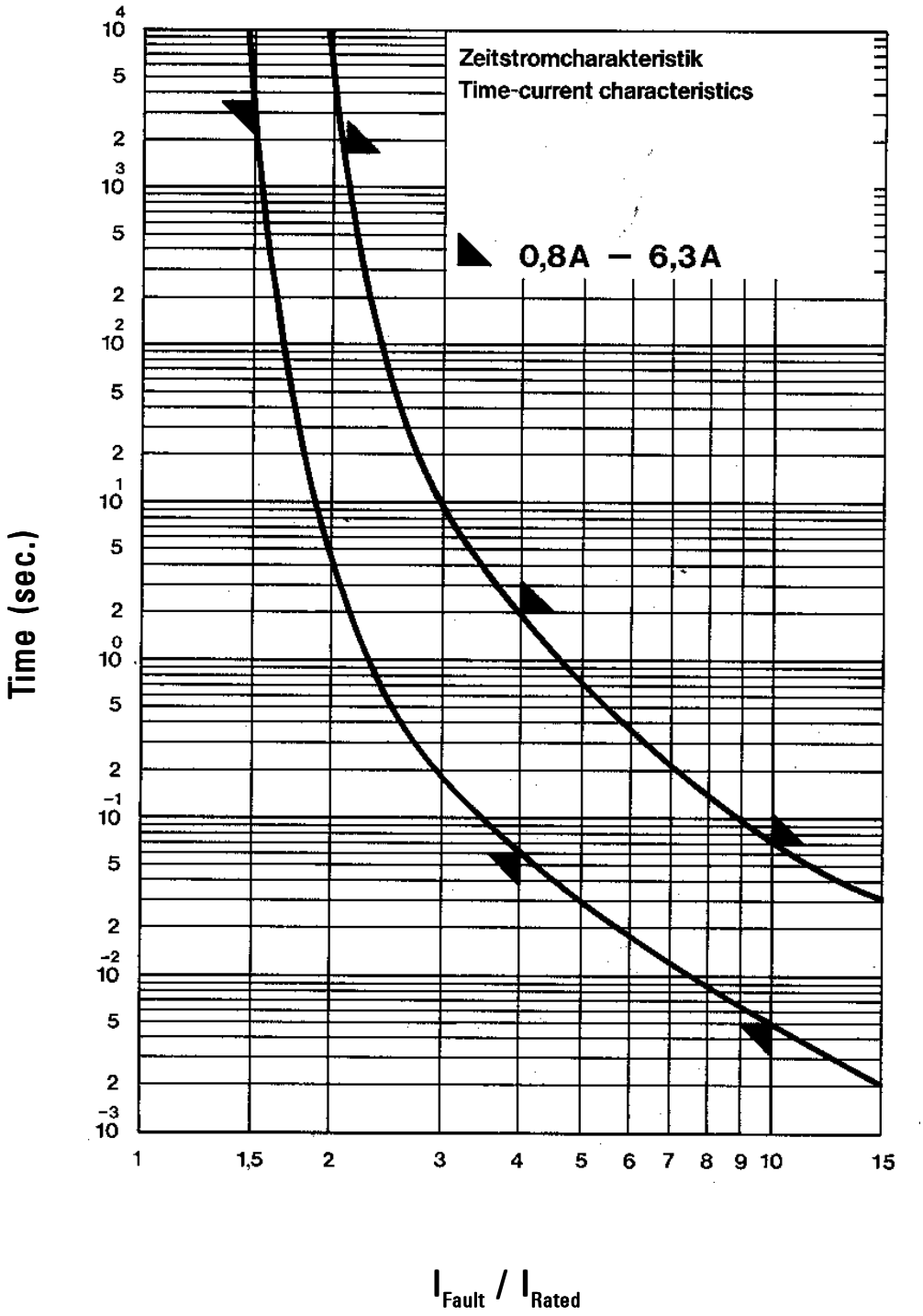
Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		311		

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. 311



Contact Littelfuse for individual I-t curves

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WebSite www.littelfuse.com