



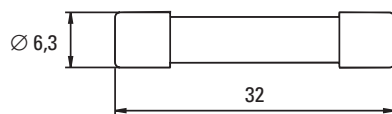
6.3x32mm / No. 231

Special Type, 500V, FF

Specifications



Dimensions (mm)



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

WebLinks

Data Sheet

www.wickmann.com/products/231.pdf

Time-Current Curve

www.wickmann.com/itcurves

FaxBack Document # 208

Packaging

000: Bulk (500 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, maximum value for 30 days-95%

Vibration Resistance

24 cycles at 15 min. each (EN 60068-6)
10 - 60Hz at 0.75mm amplitude
60 - 2000Hz at 10g acceleration

Marking

Ⓜ, FF, Current Rating, 500V, E

Unit Weight

2.5g (approx.)

Limits for Pre-arcing Time

Rated Current	$1.0 \times I_{Rated}^1$	$1.5 \times I_{Rated}$	$2.75 \times I_{Rated}$	$4 \times I_{Rated}$	$10 \times I_{Rated}$
2.00A ... 16.00A	> 1h	< 30 min	2ms ... 100ms	1ms ... 25ms	< 3ms

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 $1.0 \times I_{Rated}$ max. (mV)	Power Dissipation $1.0 \times I_{Rated}$ max. (W)	Melting Integral $10 \times I_{Rated}$ max. (A²s)	Approvals
2.00A	1200	500V		800	3.0	0.35	
2.50A	1250	500V		800	3.0	0.44	
3.15A ²	1315	500V		800	3.0	0.75	
4.00A ²	1400	500V		700	3.6	1.6	
5.00A ²	1500	500V	1000A / 500VAC 50-60Hz cos φ = 1.0	600	3.6	2.5	
6.30A ²	1630	500V		600	3.6	5	
8.00A ²	1800	500V		600	5.2	10	
10.00A ²	2100	500V		500	5.2	20	
12.50A ²	2125	500V		500	6.3	38	
16.00A ^{1,2}	2160	500V		480	6.3	68	None

¹ 16.00A: $0.9 \times I_{Rated} > 1h$

² Depending on the application and mounting, the fuse heating at max. ambient temperature in a closed fuseholder should be considered.

Order Information

Qty.	Order-Number	Series	Amp Code	Packaging
		231		

6.3x32mm / No. 231

