

## FEATURES

- Miniature ceramic cartridge
- FF Speed rated – very fast acting
- 5mm x 20mm cartridge size
- Very high interrupting rating
- High rated voltages
- Cylindrical shape

## RS PRO, 6.3A Ceramic Cartridge Fuse, 5 x 20mm, Speed FF

RS Stock No.: 420-123



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

RS PRO range of miniature ceramic cartridge fuses which are ultra-rapid (FF) that operate at higher temperatures so are ideal to provide circuit protection to semiconductor devices. They are ideal for providing protection to devices or internal circuits from short circuits and overcurrent. They are deliberately weaker components which, when too much current is drawn, will blow. Once the fuse has blown it will need replacing in order to make the circuit complete and allow the flow of current.

## General Specifications

<b>Fuse Speed</b>	FF
<b>Body Material</b>	Ceramic
<b>Size Designation</b>	Miniature
<b>UL Class</b>	UL 248-13
<b>Applications</b>	Industrial, Commercial, Home/Residential, Automotive

## Electrical Specifications

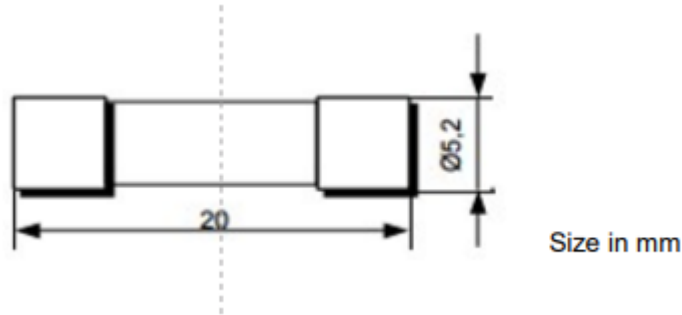
<b>Current Rating</b>	6.3A
<b>Voltage Rating</b>	250V ac
<b>Breaking Capacity (at Maximum Voltage Rating)</b>	1500kV bei/at, , 250V ac
<b>Voltage Drop</b>	450mV
<b>I<sup>2</sup>t Value</b>	10A <sup>2</sup> s

## Mechanical Specifications

<b>Fuse Size</b>	5mm x 20mm
<b>Overall Length</b>	20mm
<b>Diameter</b>	5mm

## Approvals

Compliance/Certifications	UL, RoHS
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**Grenzwerte der Schmelzzeit / pre-arcing time limits**  
**Art.-Nr.: 70 001 40**

Bemessungsstrom rated current	$1,0 I_{rat}$	$2,0 I_{rat}$	$2,75 I_{rat}$	$4 I_{rat}$	$10 I_{rat}$
125 mA ... 800 mA	> 1 h			< 60 ms	< 6 ms
1 A ... 10 A		15 ms ... 1 s	4 ms ... 100 ms	1 ms ... 25 ms	< 3 ms

Bemessungsstrom rated current	max. Spannungsfall max. voltage drop mV	Schmelzintegral I <sup>2</sup> t-value A <sup>2</sup> s	Total I <sup>2</sup> t-Wert total I <sup>2</sup> t-value A <sup>2</sup> s	Bemessungs ausschaltvermögen rated breaking capacity	Bemessungs- spannung rated voltage	Approbationen Approvals UL Rec.	
125mA	3500	0,0024	0,0034			•	
160mA	1300	0,004	0,0056			•	
200mA	1100	0,008	0,011			•	
250mA	1000	0,019	0,027			•	
315mA	900	0,03	0,042			•	
400mA	850	0,065	0,09			•	
500mA	800	0,12	0,17			•	
630mA	700	0,17	0,24			•	
800mA	600	0,26	0,36			•	
1 A	750	0,17	0,26	300 kA bei/at AC 250 V cos phi < 0,2		•	
1,25A	750	0,26	0,39				•
1,6 A	700	0,31	0,51			•	
2 A	650	0,64	1		AC 250 V	•	
2,5 A	600	0,88	1,5				•
3,15A	550	1,6	2,7			•	
4 A	500	3,2	5,4			•	
5 A	500	5,9	10			•	
6,3 A	450	10	17	1500 A bei / at AC 250 V		•	
8 A	400	19	32				•
10 A	400	30	54				•
6,3 A	250	1,6	4,8	300 kA bei/at AC 250 V cos phi < 0,2		•	
8 A	250	4,5	14				•
10 A	200	8,8	26				•
12,5A	200	15	44				•

