FEATURES

- **6.3mm x 32mm cartridge size**

- **F Speed Rating**

- **Cylindrical in shape**

- **HBC (high breaking current) fuse**

RS PRO, 12.5A Ceramic Cartridge Fuse, 6.3 x 32mm, Speed F

RS Stock No.: 209-9282

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 offer this range of miniature ceramic cartridge fuses which are either ultra-rapid fuses (FF) or fast acting fuses (F). The ultra-rapid fuses operate at higher temperatures so are ideal to provide circuit protection to semiconductor devices. The fast-acting fuses are ideal to protect less sensitive components.

General Specifications

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Fuse Speed	F
Body Material	Ceramic
Size Designation	Miniature
UL Class	UL 248-13
Applications	Miniature fuses are a relatively cheap way of protecting electrical equipment from short circuits and overcurrent and can be used to protect electrical appliances, electronic equipment and component parts

Electrical Specifications

Current Rating	12.5A
Voltage Rating	500V ac
Breaking Capacity (at Maximum Voltage Rating)	1500kV bei/at
Voltage Drop	200mV
I²t Value	50A²s

Cartridge Fuses

Mechanical Specifications

Fuse Size	6.3mm x 32mm
Overall Length	32mm
Diameter	6.3mm
Weight	0.24kg/100

Approvals

Compliance/Certifications	UL, RoHS
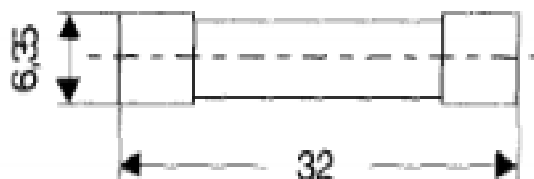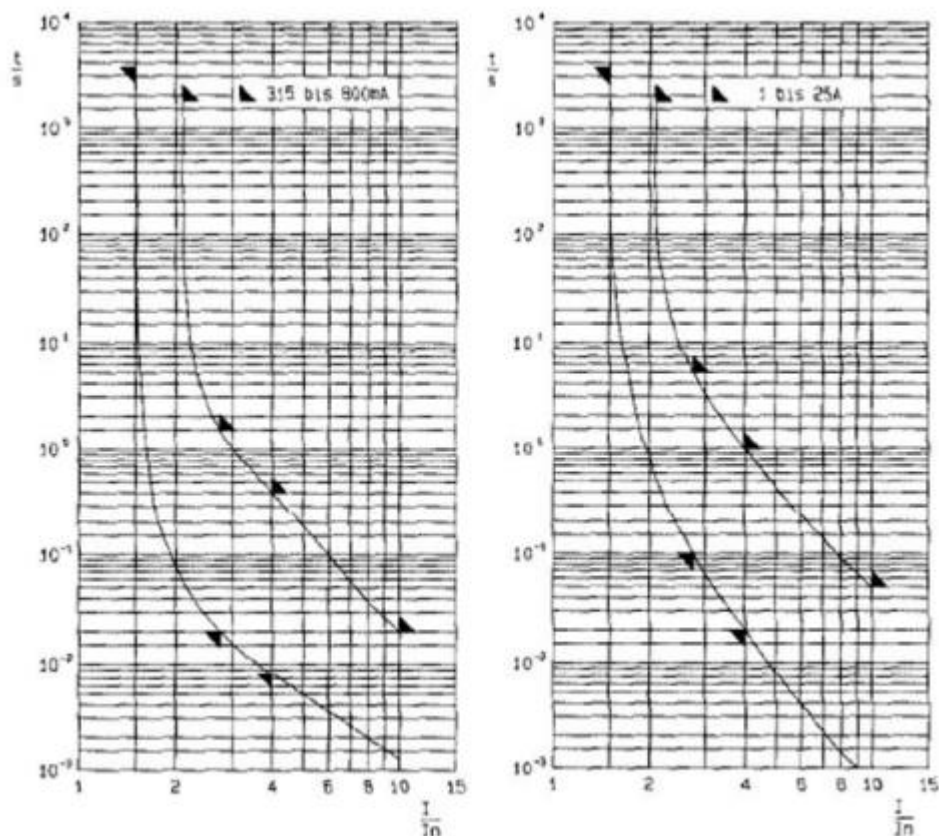
Grenzwerte der Schmelzzeit / pre-arcing time limits

Bemessungs-strom rated current	1,5 I_{rat}	2,1 I_{rat}	2,75 I_{rat}	4 I_{rat}	10 I_{rat}
315 mA 800 mA			20 ms 1,5 s	8 ms 0,4 s	< 20 ms
1 A ... 25 A	> 1 h	< 30 min	100 ms... 5 s	20 ms ... 1 s	< 50 ms

Cartridge Fuses

Art.-Nr.	Bemessungsstrom rated current	max. Spannungsfall max. voltage drop mV	Schmelzintegral I²t-value A²s	Bemessungs- ausschaltvermögen rated breaking capacity	Bemessungs- spannung rated voltage
	315 mA	3000	0,07		
	400 mA	2500	0,14		
	500 mA	2000	0,38		
	630 mA	1000	0,65	1500 A	
	800 mA	800	1	bei / at	
	1 A	700	0,5	500 V AC	
	1,25 A	600	1	cos φ = 1,0	
	1,6 A	500	1,8		500 V
	2 A	400	3		
	2,5 A	300	7,5	10 kA	
70 065 63	3,15 A	300	13	bei / at	
	4 A	250	23	440 V AC	
	5 A	200	42	cos φ = 0,3	
	6,3 A	200	97		
	8 A *	200	170		
	10 A *	200	250		
	12,5 A *	200	520	1500 A bei/at	
	16 A *	200	1000	500 V AC, cos φ = 1	
	20 A *	200	1300	1500 A bei/at	440 V
	25 A *	200	2200	440 V AC, cos φ = 1	