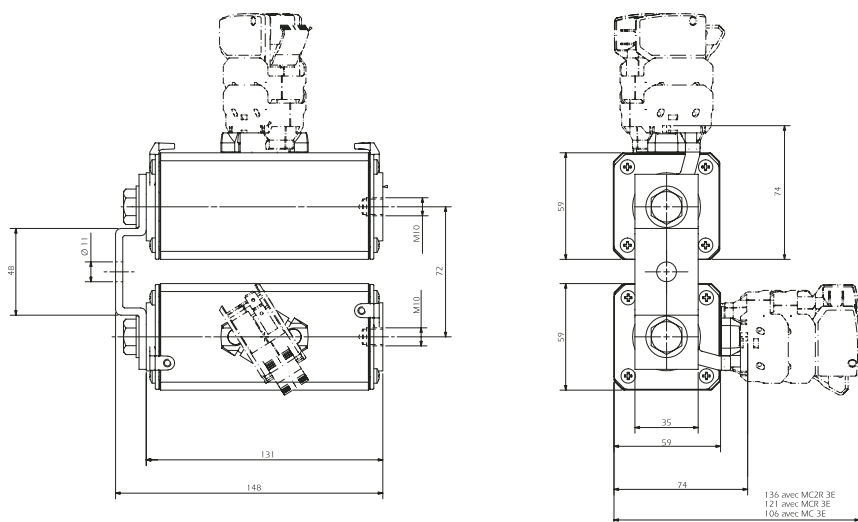


## DC Square-body Fuses Sizes 2x122 - 2x123 gR 750V DC

Size 2x122  
gRC - gRD from 500 to 1000 A

### Dimensions



Weight: 2825 g

### Main Characteristics

Size	Current rating $I_N$ (A)	Breaking Capacity	Watts loss		Max. $I^2t$ @ 900 V = L/R 40 ms		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	$I_N$ (W)	$I_P = 10 I_N$ (A <sup>2</sup> S)	$P = 50 I_N$ (A <sup>2</sup> S)			
2x122	500	@ 900V DC 100 kA L/R = 40 ms	51	94	$5 \cdot 10^6$	$1 \cdot 10^6$	CC 7,5 gRC 2122 TTF 0500	Q 090473	D2122GC75V500TF
	630		63	116	$8 \cdot 10^6$	$1.6 \cdot 10^6$	CC 7,5 gRC 2122 TTF 0630	R 090474	D2122GC75V630TF
	800		81	149	$12.4 \cdot 10^6$	$2.4 \cdot 10^6$	CC 7,5 gRC 2122 TTF 0800	S 090475	D2122GC75V800TF
	900		98	180	$16 \cdot 10^6$	$3.2 \cdot 10^6$	CC 7,5 gRD 2122 TTF 0900	T 220955	D2122GD75V900TF
		@ 750 V DC 100 kA L/R = 100 ms			maximum $I^2t$ (A <sup>2</sup> s) @ 800 V = L/R 40 ms $I_P = 10 I_N$ $I_P = 50 I_N$				
	1000*		104	190	$25 \cdot 10^6$ *	$4.8 \cdot 10^6$ *	CC 7,5 gRD 2122 TTF 1000*	V 220956	D2122GD75V10CTF

Microswitch: MC 3E 1-5N Ref. Number: D310020

\* Max  $I^2t$  @ 800V = 750 VDC 100 kA L/R = 50 ms and breaking capacity @750 VDC 100 kA L/R = 50 ms

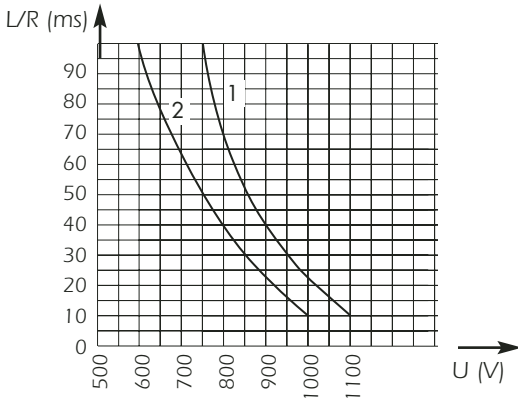
Pack: 1 piece



## DC Square-body Fuses Sizes 2x122 - 2x123 gR 750V DC

Size 2x122  
gRC - gRD from 500 to 1000 A

### Electrical characteristics DC applications data

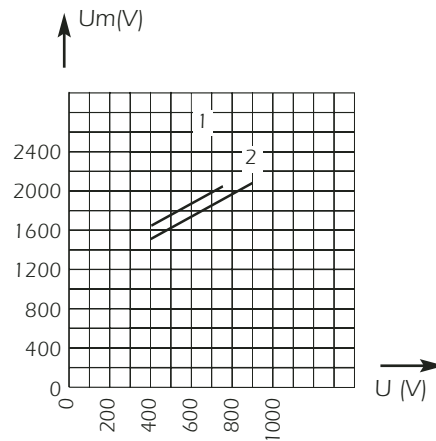


1 : curve gRC - gRD 900  
2 : curve gRD 1000

Above: Curves indicate maximum permissible value of time constant  $L/R$  as a function of DC working voltage

**Max. AC voltage (50/60 Hz):**  
1250 V with breaking capacity of 170 kA

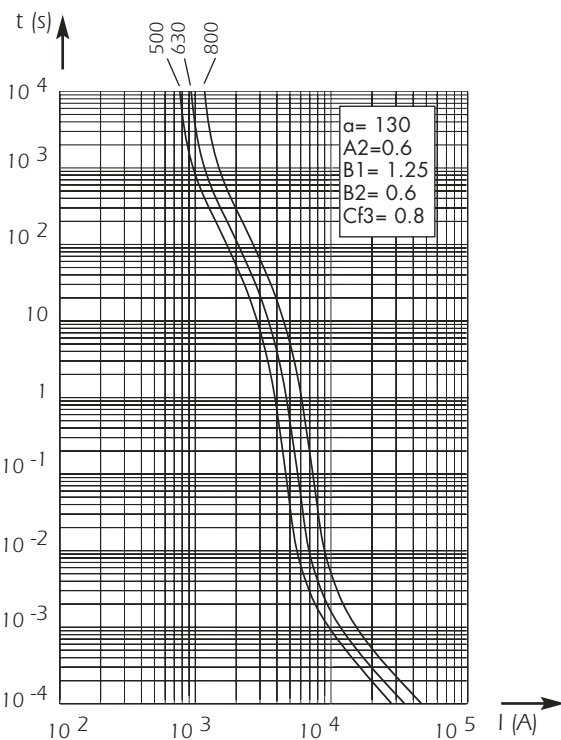
### Peak arc voltage vs. working voltage



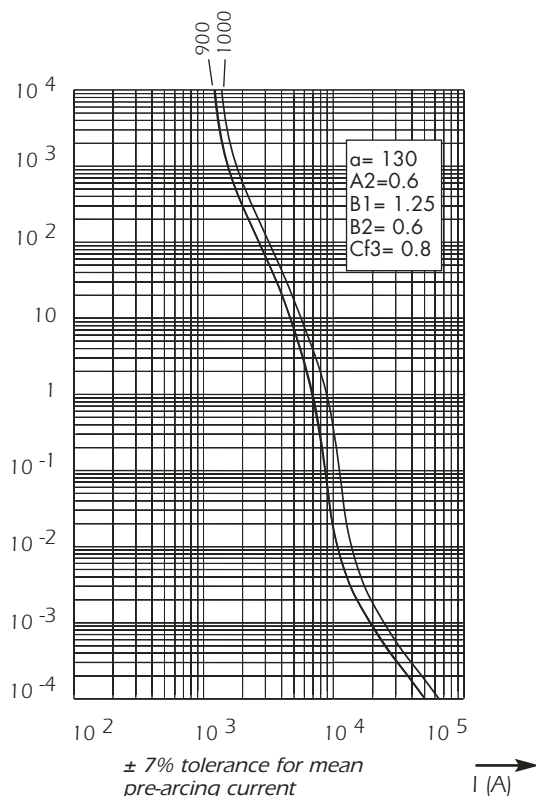
1 :  $L/R = 100$  ms  
2 :  $L/R = 40$  ms

Above: Curves indicate for various time constants  $L/R$  the peak arc voltage which may appear across fuse terminals, vs. DC working voltage

### Time vs. current characteristics



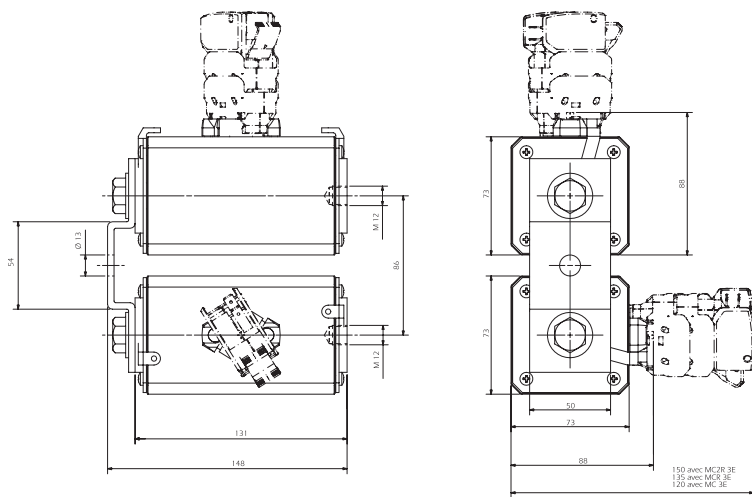
Above, left and right: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current.



## DC Square-body Fuses Sizes 2x122 - 2x123 gR 750V DC

Size 2x123  
gRC-gRB-gRD from 1000 to 1600 A

### Dimensions



Weight: 4190 g

### Main Characteristics

Size	Current rating $I_N$ (A)	Breaking Capacity	Watts loss		Max. $I^2t$ @ 900 V = L/R 40 ms $I_p = 10 I_N$ $I_p = 50 I_N$ (A <sup>2</sup> S)		Designation	Ref. Number	Catalog Number
			0.8 $I_N$ (W)	$I_N$ (W)					
2x123	1000	@ 750 V DC 100 kA L/R = 100 ms @ 900 V DC 100 kA L/R = 40 ms	102	187	20 10 <sup>6</sup>	4 10 <sup>6</sup>	CC 7,5 gRC 2123 TTF 1000	Z 090481	D2123GC75V10CTF
					maximum $I^2t$ (A <sup>2</sup> s) @ 800 V = L/R 40 ms $I_p = 10 I_N$ $I_p = 50 I_N$				
	1250	@ 750 V DC 100 kA	148		30 10 <sup>6</sup>	6 10 <sup>6</sup>	CC 7,5 gRB 2123 TTF 1250	D 098558	D2123GB75V12CTF
	1400	100 kA	164		40 10 <sup>6</sup>	8 10 <sup>6</sup>	CC 7,5 gRB 2123 TTF 1400	B 090483	D2122GB75V14CTF
	1500	L/R = 50 ms	164		40 10 <sup>6</sup>	8 10 <sup>6</sup>	CC 7,5 gRD 2123 TTF 1500	K 220947	D123GD75V1500TF
			74		maximum $I^2t$ (A <sup>2</sup> s) @ 660 V = L/R 30 ms $I_p = 10 I_N$ $I_p = 50 I_N$				
			82						
			82						
	1600	@ 660 V DC 100 kA L/R = 50 ms	180		48.6 10 <sup>6</sup>	10.10 <sup>6</sup>	CC 6.6 gRB 2123 TTF 1600	L 220948	D123GB66V1600TF

Microswitch: MC 3E 2-5N Reference Number: D310020

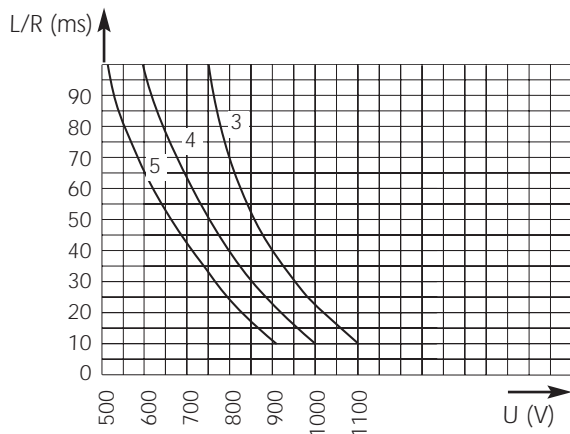
Pack: 1 piece



## DC Square-body Fuses Sizes 2x122 - 2x123 gR 750V DC

Size 2x123  
gRC-gRB-gRD from 1000 to 1600 A

### Electrical characteristics DC applications data

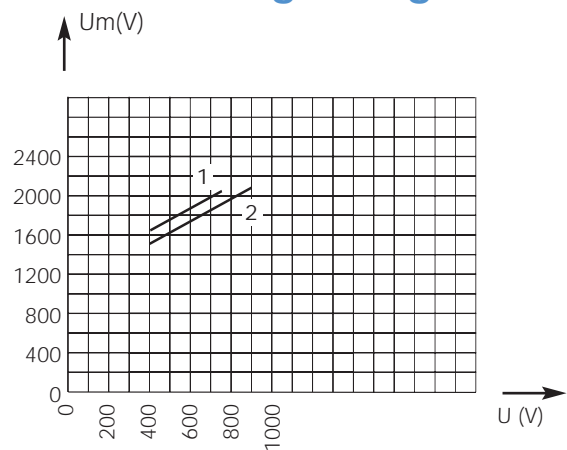


3: curve gRC  
4: curve gRD  
5: curve gRB 1600 A

Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage.

**Max. AC voltage (50/60 Hz):**  
1250 V with breaking capacity of 170 kA

### Peak arc voltage vs. working voltage

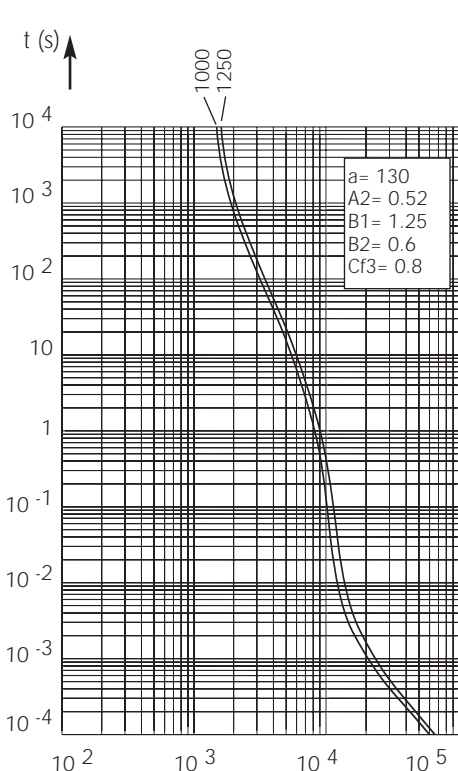


1: L/R = 100 ms

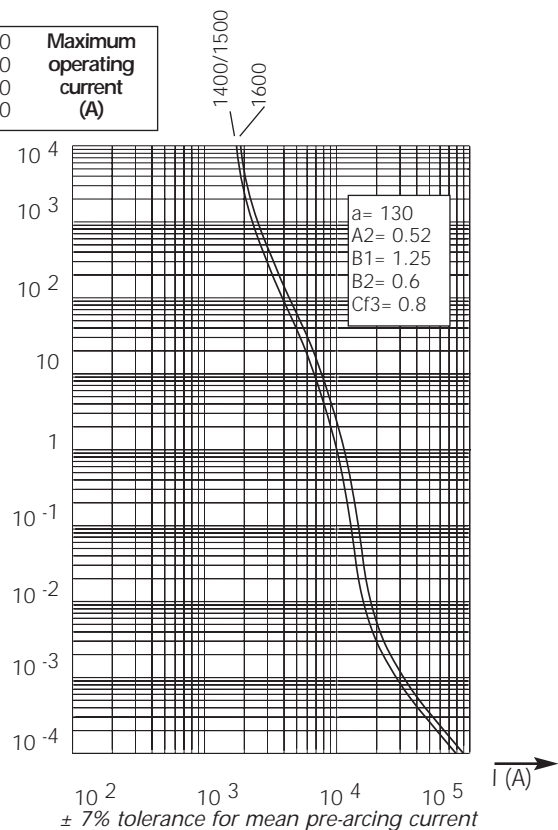
2: L/R = 40 ms

Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage

### Time vs. current characteristics



Current rating (A)	1250	1100	Maximum operating current (A)
	1400	1200	
	1500	1200	
	1600	1300	



Above, left and right: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current.

± 7% tolerance for mean pre-arcing current