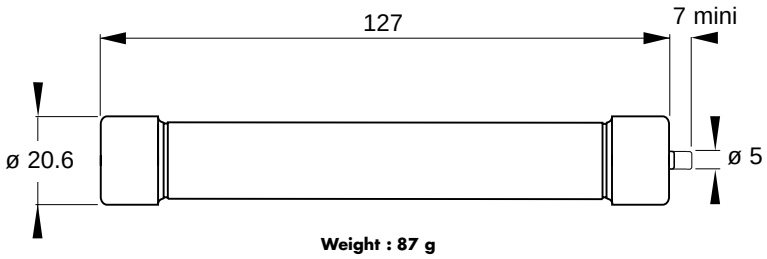
Semiconductor Fuses

DC Fuses

Ferrule Fuses — 1000V DC

1000 V DC
gRB-gRC from 6 to 63A
Size 20 x 127

Dimensions



Trip force: 4.5N at 0 mm - 2.5N at 7 mm

MAIN CHARACTERISTICS

Size	Current rating I_N (A)	Interrupting rating	Watts loss 0.8 I_N	Watts loss I_N	Catalog Number	Ref. Number	Pack.
20 x127	6	@ 1000 V DC 100 kA L/R = 20 ms	2.0	3.5	CC 1051 CP gRB 20x127/6 D 100 gRB 006 VI	Z088020	3 and 10 pieces
	8		2.2	3.8	CC 1051 CP gRB 20x127/8 D 100 gRB 008 VI	T088774	
	10		2.4	4.2	CC 1051 CP gRB 20x127/10 D 100 gRB 010 VI	A089493	
	12		3.0	5.3	CC 1051 CP gRB 20x127/12 D 100 gRB 012 VI	B089494	
	16		3.7	6.6	CC 1051 CP gRB 20x127/16 D 100 gRB 016 VI	C089495	
	20		4.4	7.7	CC 1051 CP gRB 20x127/20 D 100 gRB 020 VI	D089496	
	25		5.1	9	CC 1051 CP gRB 20x127/25 D 100 gRB 025 VI	E089497	
	32		6.0	10.5	CC 1051 CP gRB 20x127/32 D 100 gRB 032 VI	F089498	
	40		7.3	13.2	CC 1051 CP gRC 20x127/40 D 100 gRC 040 VI	S086795	
	50		8.5	15.5	CC 1051 CP gRC 20x127/50 D 100 gRC 050 VI	F086186	
	63*		9.6	17.4	CC 1051 CP gRC 20x127/63* D 100 gRC 063 VI*	F083656*	

Minimum trip voltage: 50 V

* Use R.M.S. current less than 56 A when mounting in fuse-isolator

See Fuse Blocks and Fuse Holders, and Medium Voltage fuse clips

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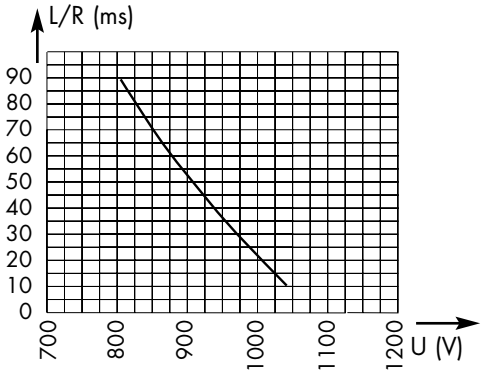
ELECTRICAL CHARACTERISTICS

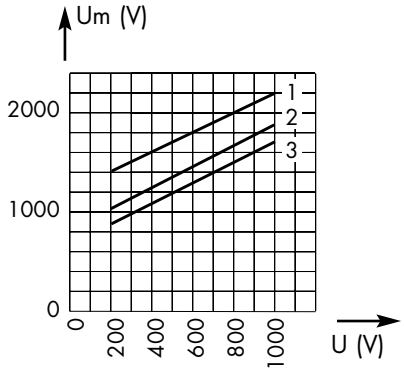
DC application data



Above: Curve indicates the maximum permissible value of time constant L/R as a function of the DC working voltage

Max. AC voltage (50/60 Hz): 1,500 V with interrupting rating of 100 kA

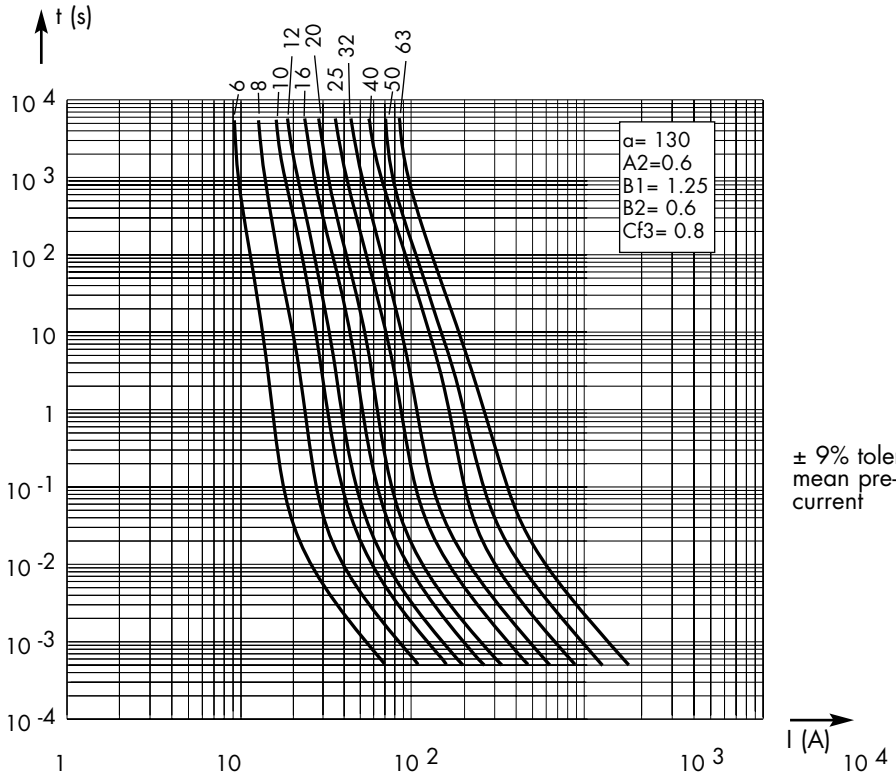
Peak arc voltage vs. working voltage



1- L/R = 50 ms
2- L/R = 25 ms
3- L/R = 15 ms

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

Time vs. current characteristics



± 9% tolerance for mean pre-arcing current

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