

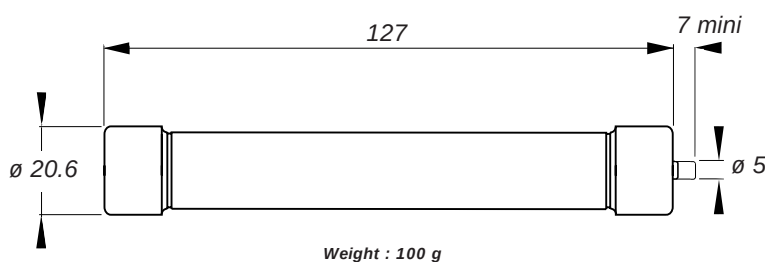


DC Ferrule Fuses 20x127 gR 1000V DC



gRB-gRC from 6 to 63A

Dimensions



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



Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Designation	Reference Number	Catalog Number
			0.8 I_N (W)	I_N (W)			
20x127	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	FD20GB100V6T
	8		2.2	3.8	CC 1051 CP gRB 20x127/8 D 100 gRB 008 VI	T088774	FD20GB100V8T
	10		2.4	4.2	CC 1051 CP gRB 20x127/10 D 100 gRB 010 VI	A089493	FD20GB100V10T
	12		3.0	5.3	CC 1051 CP gRB 20x127/12 D 100 gRB 012 VI	B089494	FD20GB100V12T
	16		3.7	6.6	CC 1051 CP gRB 20x127/16 D 100 gRB 016 VI	C089495	FD20GB100V16T
	20		4.4	7.7	CC 1051 CP gRB 20x127/20 D 100 gRB 020 VI	D089496	FD20GB100V20T
	25		5.1	9	CC 1051 CP gRB 20x127/25 D 100 gRB 025 VI	E089497	FD20GB100V25T
	32		6.0	10.5	CC 1051 CP gRB 20x127/32 D 100 gRB 032 VI	F089498	FD20GB100V32T
	40		7.3	13.2	CC 1051 CP gRC 20x127/40 D 100 gRC 040 VI	S086795	FD20GC100V40T
	50		8.5	15.5	CC 1051 CP gRC 20x127/50 D 100 gRC 050 VI	F086186	FD20GC100V50T
	63*		9.6	17.4	CC 1051 CP gRC 20x127/63* D 100 gRC 063 VI*	F083656*	FD20GC100V63T

Minimum trip indicator operating voltage: 50 V

* Use R.M.S. current less than 56 A when mounting in Fuse-disconnector
See Fuse Blocks, Fuse Holders and Fuse clips

Pack: 3 and 10 pieces



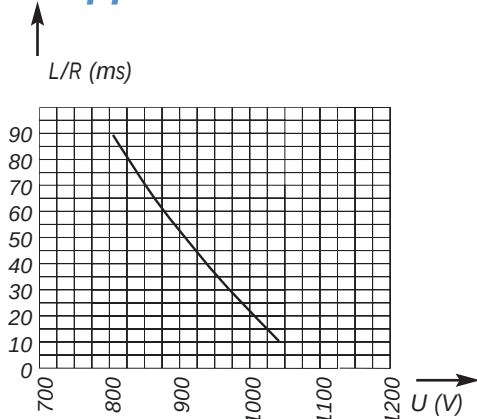
DC Ferrule Fuses 20x127 gR 1000V DC



gRB-gRC from 6 to 63A

Electrical characteristics

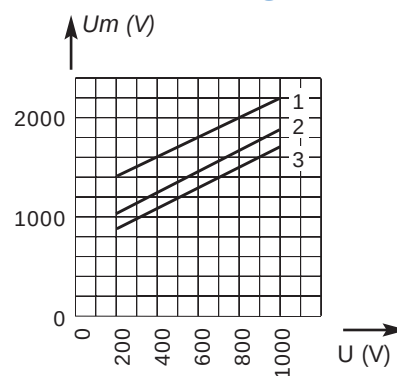
DC applications data



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): 1500 V with breaking capacity of 100 kA

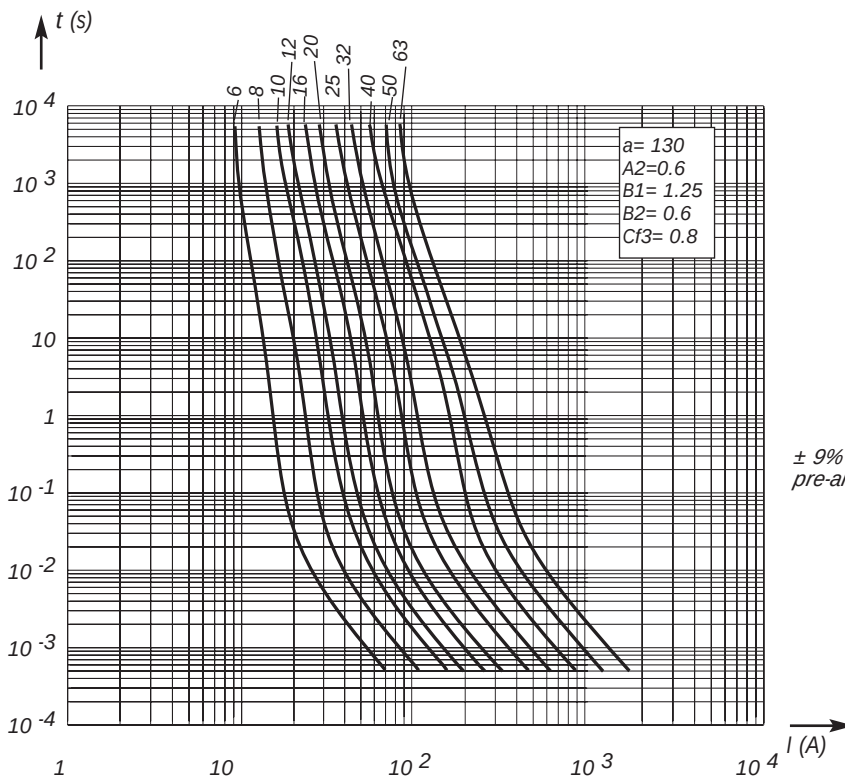
Peak arc voltage vs. working voltage



- 1- $L/R = 50 \text{ ms}$
- 2- $L/R = 25 \text{ ms}$
- 3- $L/R = 15 \text{ ms}$

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

Time vs. current characteristics



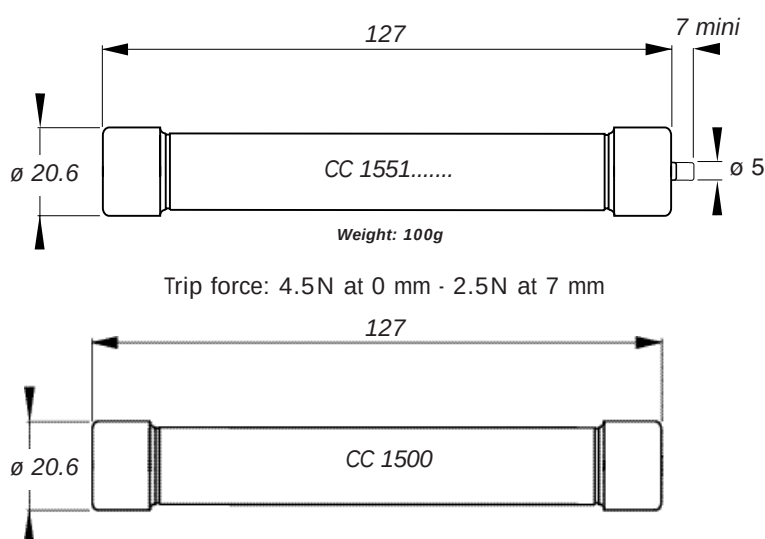
$\pm 9\%$ tolerance for mean pre-arcing current

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

DC Ferrule Fuses 20x127 gR 1500V DC

gRB - gRD from 0.8 to 25 A

Dimensions



Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Designation	Ref. Number	Catalog Number
			0.8 I_N (W)	I_N (W)			
20x127	0.8	@ 1000 V DC 100 kA L/R = 100 ms	0.5	0.9	CC 1551 CP gRB 20x127/0.8 D 150 gRB 0.8 VI ⁽¹⁾	E075743	FD20GB150V0,8T
	1		0.5	0.9	CC 1551 CP gRB 20x127/1 D 150 gRB 001 VI ⁽¹⁾	F075744	FD20GB150V1T
	1.5		0.8	1.4	CC 1551 CP gRB 20x127/1.5 D 150 gRB 01.5 VI ⁽¹⁾	G075745	FD20GB150V1,5T
	2		0.9	1.6	CC 1551 CP gRB 20x127/2 D 150 gRB 002 VI ⁽¹⁾	B088367	FD20GB150V2T
	3.15		1.2	2.1	CC 1551 CP gRB 20x127/3.15 D 150 gRB 3.15VI ⁽¹⁾	H075746	FD20GB150V3,15T
	4	@ 1500 V DC 30 kA L/R = 20 ms	1.3	2.1	CC 1551 CP gRB 20x127/4 D 150 gRB 004 VI ⁽¹⁾	J075747	FD20GB150V4T
	5		1.4	2.3	CC 1551 CP gRB 20x127/5 D 150 gRB 005 VI ⁽¹⁾	C088368	FD20GB150V5T
	0.8		0.5	0.9	CC 1500 CP gRB 20x127/0.8 D 150 gRB 0.8 V	J081842	FD20GB150V0,8
	1		0.5	0.9	CC 1500 CP gRB 20x127/1 D 150 gRB 001 V	R079894	FD20GB150V1
	1.5		0.8	1.4	CC 1500CP gRB 20x127/1.5 D 150 gRB 01.5 V	K081843	FD20GB150V1,5
	2		0.9	1.6	CC 1500 CP gRB 20x127/2 D 150 gRB 002 V	Y099243	FD20GB150V2
	3.15		1.2	2.1	CC 1500 CP gRB 20x127/3.15 D 150 gRB 3.15 V	L081844	FD20GB150V3,15
	4		1.3	2.1	CC 1500CP gRB 20x127/4 D 150 gRB 004 V	Z099244	FD20GB150V4
	5		1.4	2.3	CC 1500 CP gRB 20x127/5 D 150 gRB 005 V	A099245	FD20GB150V5
	6	@ 1500 V DC 30 kA L/R = 55 ms	3.4	6.3	CC 1500 CP gRD 20x127/6 D 150 gRD 006 V	E082804	FD20GD150V6
	8		3.3	6.0	CC 1500 CP gRD 20x127/8 D 150 gRD 008 V	Z080867	FD20GD150V8
	10		3.5	6.1	CC 1500 CP gRD 20x127/10 D 150 gRD 010 V	F081655	FD20GD150V10
	12		3.9	6.8	CC 1500 CP gRD 20x127/12 D 150 gRD 012 V	B080593	FD20GD150V12
	16		5	8.9	CC 1500 CP gRD 20x127/16 D 150 gRD 016 V	Q081457	FD20GD150V16
	20		5.3	9.6	CC 1500 CP gRD 20x127/20 D 150 gRD 020 V	D082803	FD20GD150V20
	25		6.6	12	CC 1500 CP gRD 20x127/25 D 150 gRD 025 V	A080431	FD20GD150V25

Minimum trip indicator operating voltage: 50 V

(1) Rating 0,8 to 5A with trip indicator arc. UL Recognized

See Fuse Blocks, Fuse Holders and Fuse clips

Pack: 3 and 10 pieces

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mercen

scdc8

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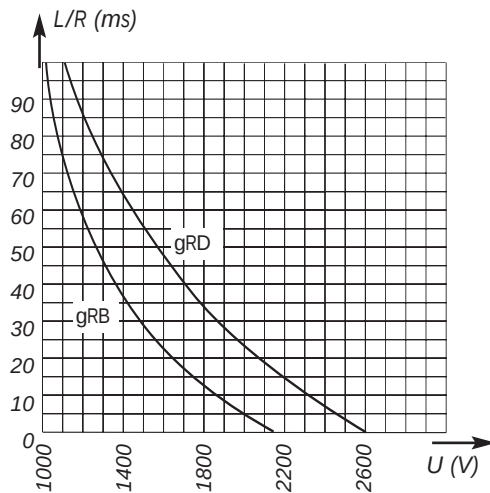


DC Ferrule Fuses 20x127 gR 1500V DC



gRB - gRD from 0.8 to 25 A

Electrical characteristics DC applications data

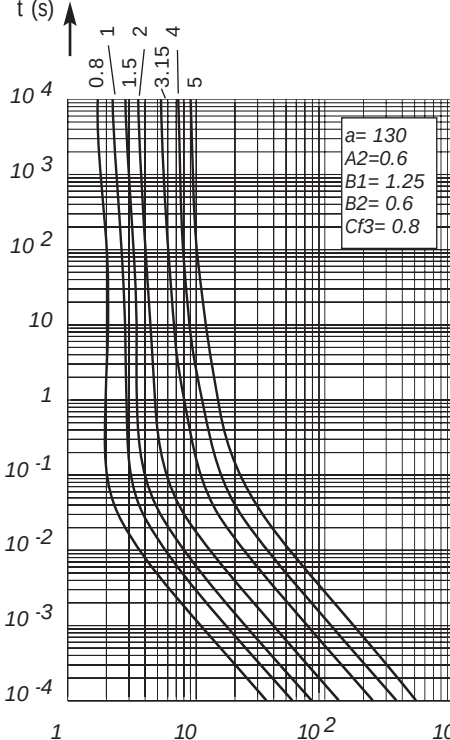


Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage

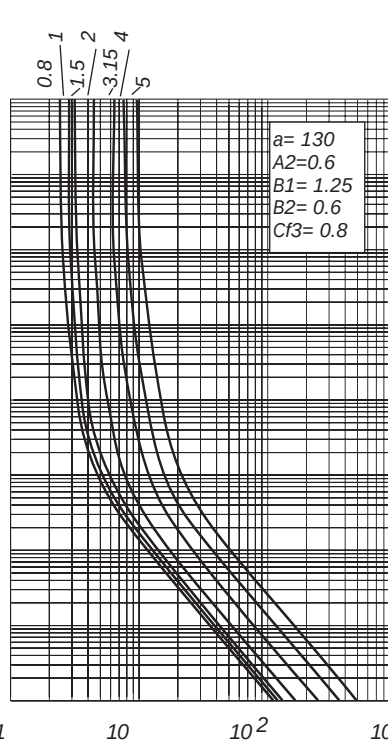
Max. AC voltage (50/60 Hz):
2500 V with breaking capacity of 50 kA

Time vs. current characteristics

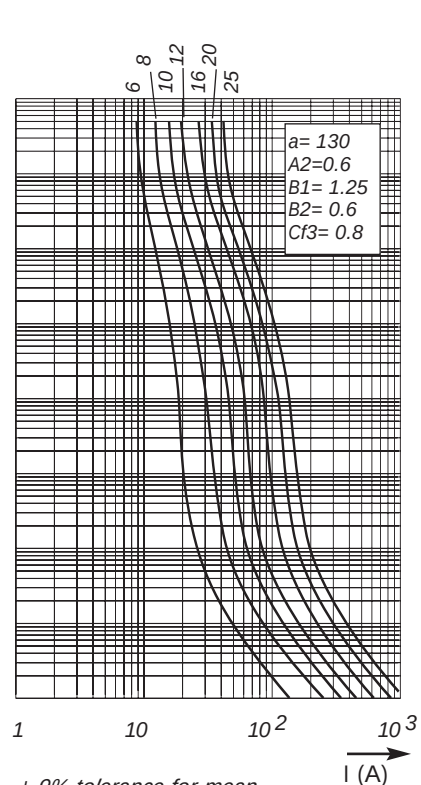
gRB without trip indicator



gRB with trip indicator



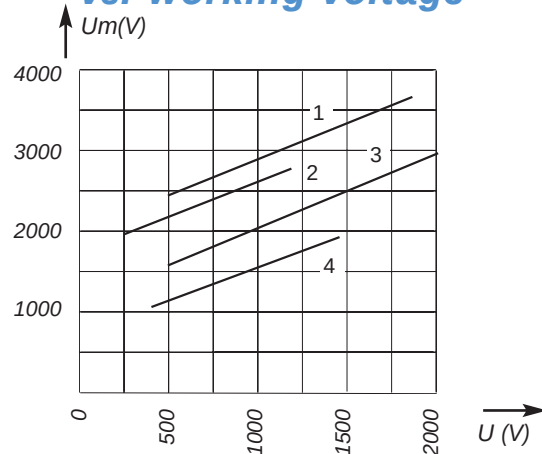
gRD without trip indicator



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

$\pm 9\%$ tolerance for mean pre-arcing current

Peak arc voltage vs. working voltage



Curve 1: gRD @ $L/R = 30$ ms
Curve 2: gRB @ $L/R = 60$ ms
Curve 3: gRD @ $L/R = 15$ ms
Curve 4: gRB @ $L/R = 30$ ms

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