

1000V DC

FERRULE FUSES/SPECIAL PURPOSE

SIZE: 20X127



Ratings

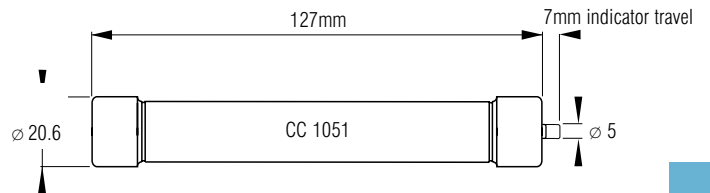
- 6 to 63 Amps
- 1000VDC at 100kA I.R.
LR=20mSec

Features/Benefits

- **Full Range** D.C. operation
- **20x127mm** ceramic cylindrical body
- **Blown Fuse** indicator striker



➤ Dimensions



Indicator Trip Force: 4.5N (1lb) at 0mm-2.5N (1/2lb) at 7mm (1/4")

APPLICATIONS DATA

SIZE	CURRENT RATING $I_N(A)$	INTERRUPTING RATING	WATTS LOSS		CATALOG NUMBER		REF. NUMBER
			0.8 I_N	I_N	NEW	OLD	
20 x 127	6	@ 1000V DC 100kA L/R = 20ms	2.0	3.5	CC1051CPgRB20x127/6	D100gRB006VI	Z088020
	8		2.2	3.8	CC1051CPgRB20x127/8	D100gRB008VI	T088774
	10		2.4	4.2	CC1051CPgRB20x127/10	D100gRB010VI	A089493
	12		3.0	5.3	CC1051CPgRB20x127/12	D100gRB012VI	B089493
	16		3.7	6.6	CC1051CPgRB20x127/16	D100gRB016VI	C089495
	20		4.4	7.7	CC1051CPgRB20x127/20	D100gRB020VI	D089496
	25		5.1	9	CC1051CPgRB20x127/25	D100gRB025VI	E089497
	32		6.0	10.5	CC1051CPgRB20x127/32	D100gRB032VI	F089498
	40		7.3	13.2	CC1051CPgRB20x127/40	D100gRB040VI	S086795
	50		8.5	15.5	CC1051CPgRB20x127/50	D100gRB050VI	F086186
	63*		9.6	17.4	CC1051CPgRB20x127/63	D100gRB063VI	F083656

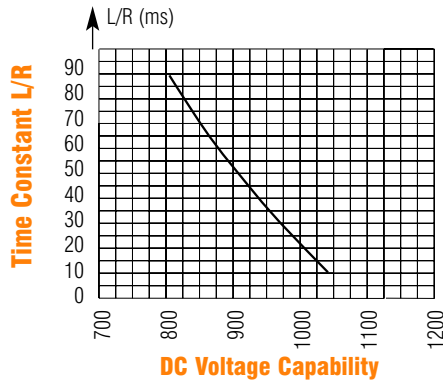
Blown fuse indicator minimum trip voltage: 50 V

• Use R.M.S. current less than 56 A when mounting in fuse holder.

1000V DC

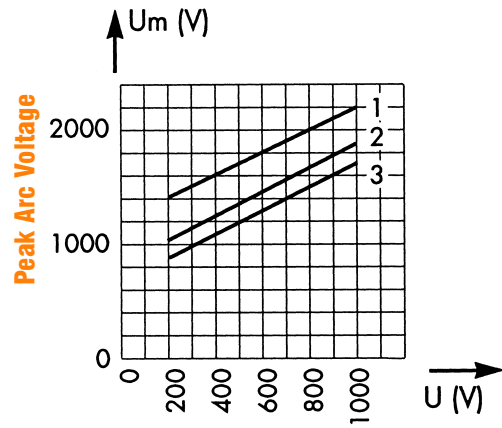
FERRULE FUSES/SPECIAL PURPOSE

DC Voltage Capabilities vs. Time Constant



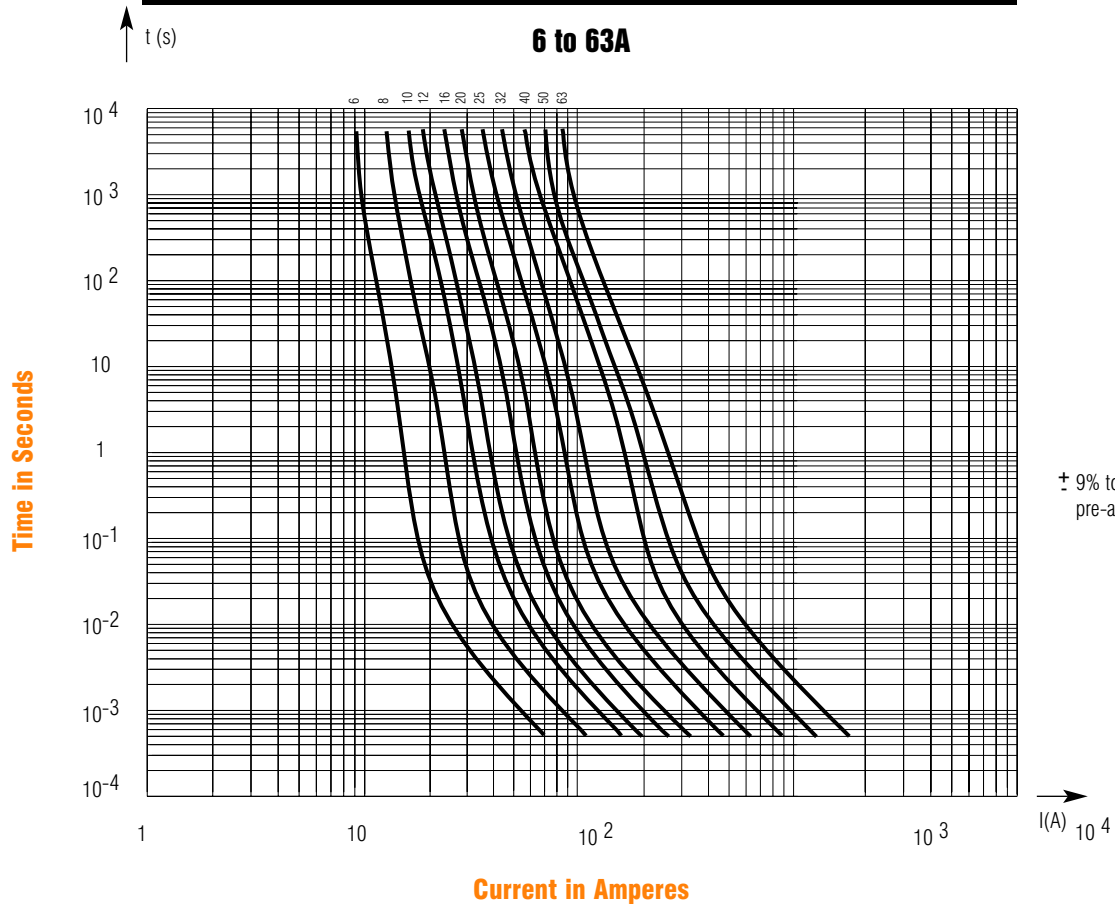
Above: Curve indicates the maximum permissible value of time constant L/R as a function of DC working voltage.

Peak Arc Voltage vs. Working Voltage



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

Melting Time-Current Data



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

1000VDC

FERRULE FUSES/SPECIAL PURPOSE



1000 V DC gRB-gRC from 25 to 100 A Size 36x127

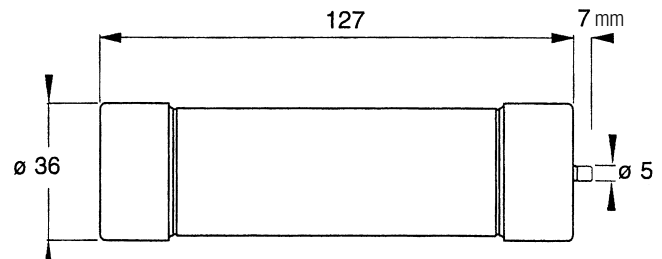
Ratings

- 25 to 100 Amps
- 1000VDC at 100kA I.R.
L/R=20mSec

Features/Benefits

- **Full Range** D.C. operation
- **36x127mm** ceramic cylindrical body
- **Blown Fuse** indicator striker

➤ Dimensions



Minimum indicator travel

Trip force: 4.5N (1lb) at 0 mm - 2.5N (1/2) at 7 mm



MAIN CHARACTERISTICS

SIZE	CURRENT RATING I_N (A)	INTERRUPTING RATING	WATTS LOSS		CATALOG NUMBER	REF. NUMBER
			$0.8I_N$	I_N		
36 x 127	25	@ 1000 VDC 100kA L/R = 20 ms	5.3	9.4	CC1051CPgRB36x127/25	H083980
	32		6.4	11.5	CC1051CPgRB36x127/32	R086495
	40		6.5	11.6	CC1051CPgRB36x127/40	G089499
	50		8.7	15.4	CC1051CPgRB36x127/50	H089500
	63		10.5	18.8	CC1051CPgRB36x127/63	J089501
	80		11.9	21.5	CC1051CPgRB36x127/80	A083651
	100		13.2	24.1	CC1051CPgRB36x127/100	Z083650

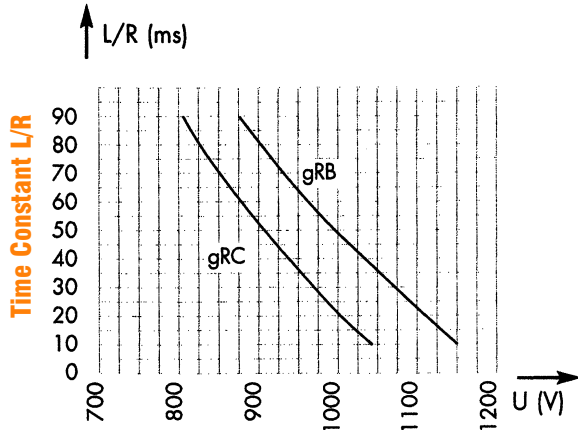
Blown fuse indicator minimum trip voltage: 50 V
See Fuse Blocks and Fuse Holders, and Medium Voltage fuse clips

1000VDC

FERRULE FUSES/SPECIAL PURPOSE

ELECTRICAL CHARACTERISTICS

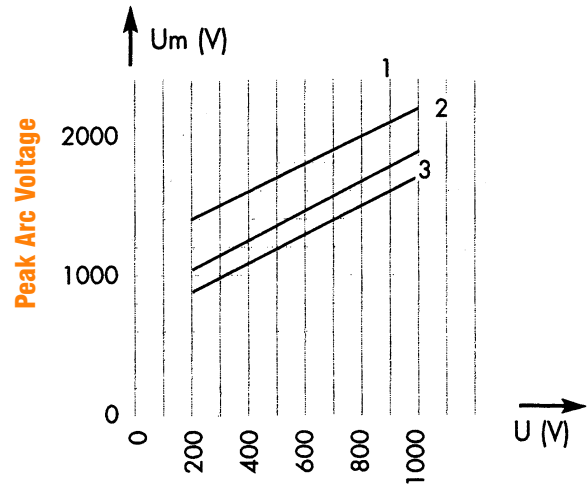
DC Voltage Capabilities vs. Time Constant



DC Voltage Capability

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

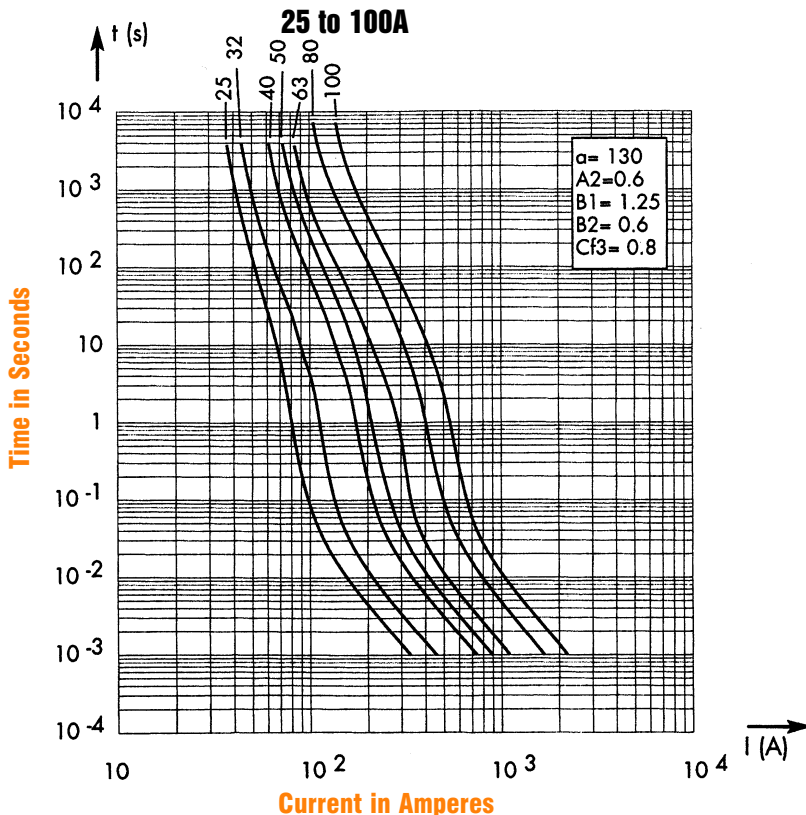
Peak Arc Voltage vs. Working Voltage



Circuit Voltage

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

Time vs. Current Characteristics



± 7% tolerance for mean pre-arcing (melting) current

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