

1500V DC

FERRULE FUSES/SPECIAL PURPOSE



Ratings

Features/Benefits

CC 1551 CP gRB

- 0.8 to 5 Amps
- 1000vdc at 100kA
L/R=100mSec

➤ **Blown Fuse** indicator striker

➤ **20x127** ceramic cylindrical body

➤ **Full range** D.C. operation

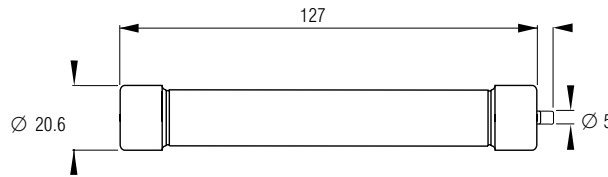
CC 1500 CP gRB

- 0.8 to 5 Amps
- 1000vdc 30kA
L/R=30mSec

CC 1500 CP gRD

- 6 to 25amps
- 1500vdc at 30kA
L/R=55mSec

➤ Dimensions



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



APPLICATIONS DATA

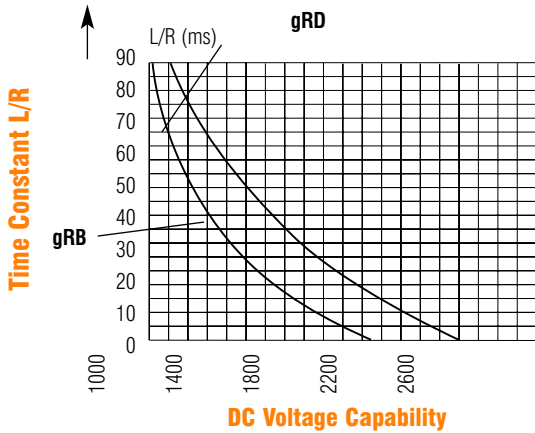
SIZE (mm)	CURRENT RATING I _N (A)	INTERRUPTING RATING	WATTS LOSS		CATALOG NUMBER		REF. NUMBER	
			0.8 I _N	I _N	NEW	OLD		
20 x 127	0.8	@ 1000V DC 100kA L/R = 100ms	0.5	0.9	CC1551CPgRB20x127/0.8	D150gRB0.8VI	E075743	
	1		0.5	0.9	CC1551CPgRB20x127/1	D150gRB001VI	F075744	
	1.5		0.8	1.4	CC1551CPgRB20x127/1.5	D150gRB01.5VI	G075745	
	2		0.9	1.6	CC1551CPgRB20x127/2	D150gRB002VI	B088367	
	3.15		1.2	2.1	CC1551CPgRB20x127/3.15	D150gRB3.15VI	H075746	
	4		1.3	2.1	CC1551CPgRB20x127/4	D150gRB004VI	J075747	
	5		1.4	2.3	CC1551CPgRB20x127/5	D150gRB005VI	C088368	
	0.8		@ 1000V DC 30kA L/R = 30ms	0.5	0.9	CC1500CPgRB20x127/0.8	D150gRB0.8V	J081842
	1			0.5	0.9	CC1500CPgRB20x127/1	D150gRB001V	R079894
	1.5			0.8	1.4	CC1500CPgRB20x127/1.5	D150gRB01.5V	K081843
	2	0.9		1.6	CC1500CPgRB20x127/2	D150gRB002V	Y099243	
	3.15	1.2		2.1	CC1500CPgRB20x127/3.15	D150gRB3.15V	L081844	
	4	1.3		2.1	CC1500CPgRB20x127/4	D150gRB004V	Z099244	
	5	1.4		2.3	CC1500CPgRB20x127/5	D150gRB005V	A099245	
	6	@ 1500V DC 30kA L/R = 55ms		3.4	6.3	CC1500CPgRD20x127/6	D150gRB006V	E082804
	8			3.3	6.0	CC1500CPgRD20x127/8	D150gRB008V	Z080867
	10			3.5	6.1	CC1500CPgRD20x127/10	D150gRB010V	F081655
	12		3.9	6.8	CC1500CPgRD20x127/12	D150gRB012V	B080593	
	16		5	8.9	CC1500CPgRD20x127/16	D150gRB016V	Q081457	
	20		5.3	9.6	CC1500CPgRD20x127/20	D150gRB020V	D082803	
	25		6.6	12	CC1500CPgRD20x127/25	D150gRB025V	A080431	

*Blown fuse indicator minimum trip voltage: 50V

1500V DC

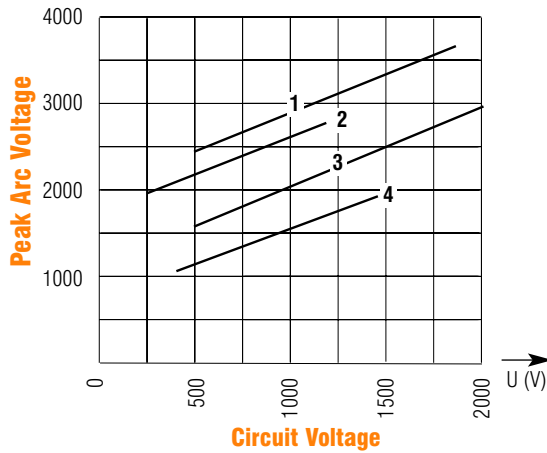
FERRULE FUSES/SPECIAL PURPOSE

DC Voltage Capability vs. Time Constant



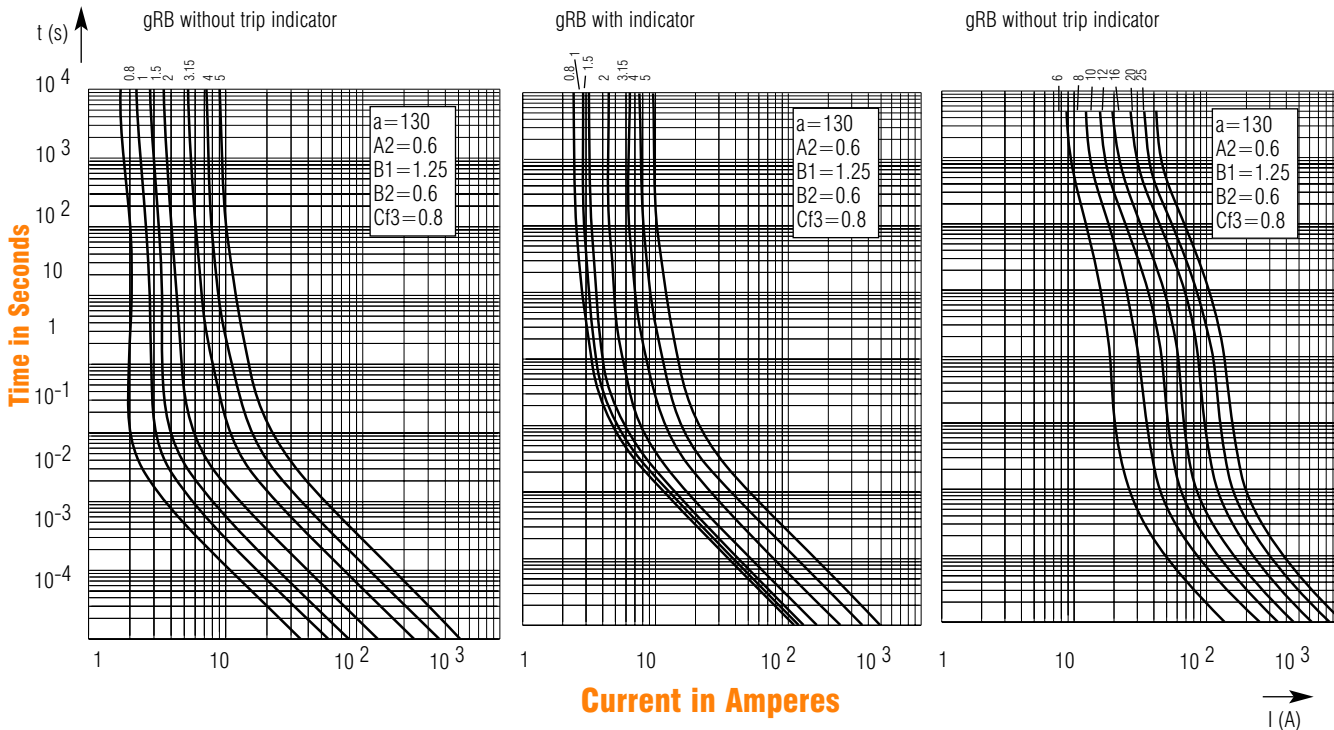
Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage.

Peak Arc Voltage vs. Working Voltage



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

Melting Time-Current Data



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

± 9% tolerance for mean pre-arcing (melting) current

1500V DC

FERRULE FUSES/SPECIAL PURPOSE

SIZE: 20X190



Ratings

CC 1591 CP gRC

- 6 to 32 Amps
- 1500vdc at 60kA
L/R=40mSec

CC 1500 CP gRC

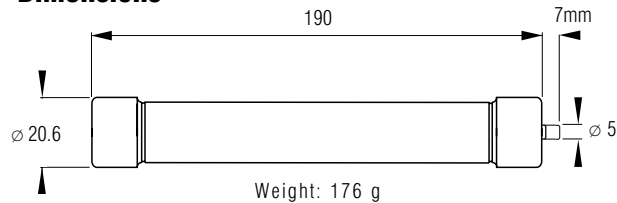
- 6 to 32 Amps
- 1500vdc 60kA
L/R=40mSec

Features/Benefits

- **Blown Fuse** indicator striker
- **20x190** ceramic cylindrical body
- **Full range** D.C. operation

file #

➤ Dimensions



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

APPLICATIONS DATA

SIZE (mm)	CURRENT RATING I _N (A)	INTERRUPTING RATING	WATTS LOSS		CATALOG NUMBER	REF. NUMBER
			0.8 I _N	I _N		
20 x 190	6	@ 1500V DC 60kA L/R = 40ms	4.8	7.8	CC1591CPgRC20x190/6	D083102
	8		5.3	8.8	CC1591CPgRC20x190/8	V083738
	10		6.5	10.5	CC1591CPgRC20x190/10	G087245
	12		7.0	11.5	CC1591CPgRC20x190/12	Y080429
	16		8.0	13	CC1591CPgRC20x190/16	N088378
	20		9.5	15	CC1591CPgRC20x190/20	Q087345
	25		12	19.5	CC1591CPgRC20x190/25	Z080430
	32		16	26	CC1591CPgRC20x190/32	G085911
	6		4.8	7.8	CC1500CPgRC20x190/6	Z089469
	8		5.3	8.8	CC1500CPgRC20x190/8	A089470
	10		6.5	10.5	CC1500CPgRC20x190/10	B089471
	12		7.0	11.5	CC1500CPgRC20x190/12	C089472
	16		8.0	13	CC1500CPgRC20x190/16	D089473
	20		9.5	15	CC1500CPgRC20x190/20	E089474
	25		12	19.5	CC1500CPgRC20x190/25	F089475
	32		16	26	CC1500CPgRC20x190/32	G089476

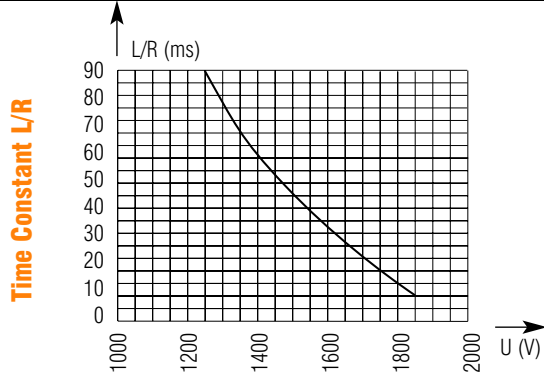
*Blown fuse indicator minimum trip voltage: 90V



1500V DC

FERRULE FUSES/SPECIAL PURPOSE

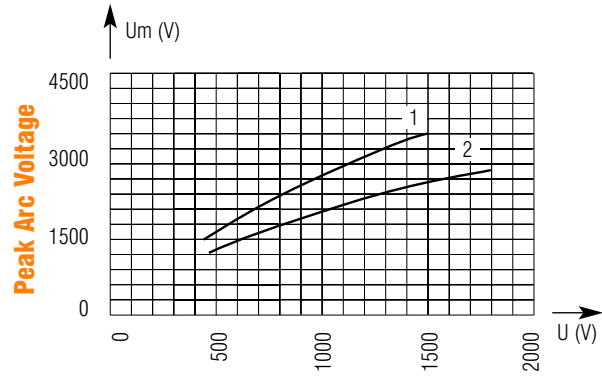
DC Voltage Capabilities vs. Time Constant



DC Voltage Capability

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

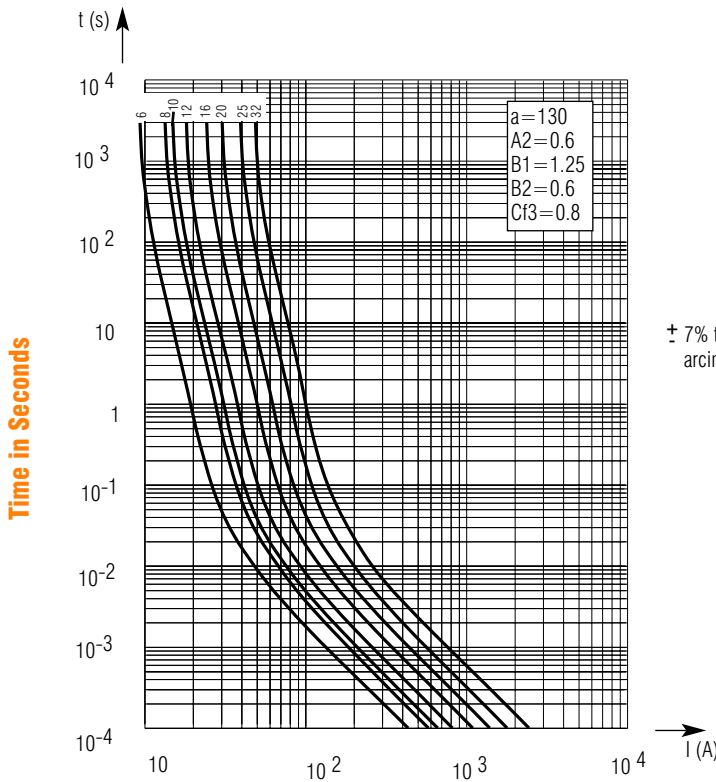
Peak Arc Voltage vs. Working Voltage



Circuit Voltage

1-L/R = 45ms
2-L/R = 15ms

Melting Time vs. Current Data



Current in Amperes

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

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

1500V DC

FERRULE FUSES/SPECIAL PURPOSE



1500 V DC gRC-gRD from 40 to 100 A Size 36x190

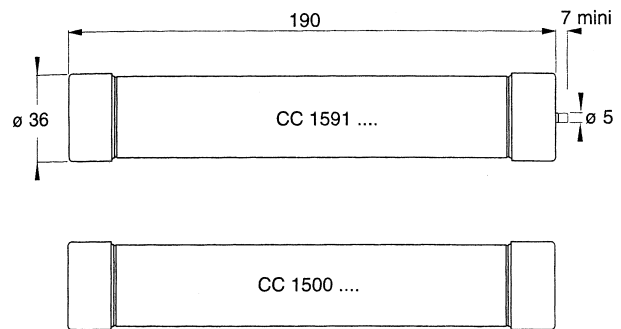
Ratings

- 40 to 100 Amps
- 1500VDC

Features/Benefits

- **Full Range** D.C. operation
- **36x190mm** ceramic cylindrical body

➤ Dimensions



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

MAIN CHARACTERISTICS

SIZE (mm)	CURRENT RATING I_N (A)	INTERRUPTING RATING	WATTS LOSS		CATALOG NUMBER	REF. NUMBER
			$0.8I_N$	I_N		
36 x 190	40	@ 1500 VDC 60kA L/R = 60 ms	14	26	CC1591CPgRC36x190/40	M080419
	50		16.5	30	CC1591CPgRC36x190/50	N080420
	63		20.6	38	CC1591CPgRC36x190/63	P080421
	80		18	33	CC1591CPgRD36x190/80	N221134
	100		23	42	CC1591CPgRD36x190/100	Y220154
	40	@ 1500 VDC 60kA L/R = 30 ms	14	26	CC1500CPgRC36x190/40	H089477
	50		16.5	30	CC1500CPgRC36x190/50	J089478
	63		20.6	38	CC1500CPgRC36x190/63	K089479
	80		18	33	CC1500CPgRD36x190/80	Q078007
	100		23	42	CC1500CPgRD36x190/100	K078025

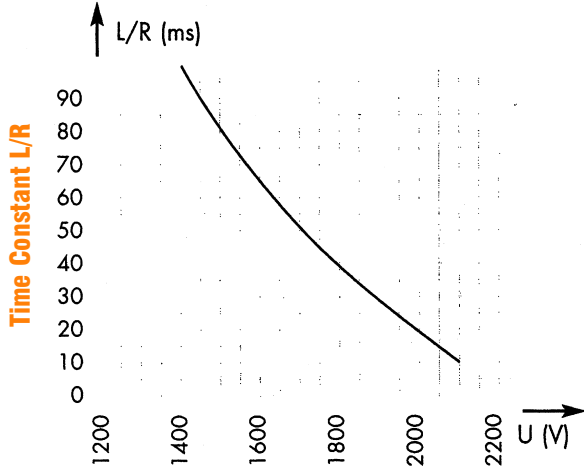
Blown fuse indicator minimum trip voltage : 90 V

1500V DC

FERRULE FUSES/SPECIAL PURPOSE

ELECTRICAL CHARACTERISTICS

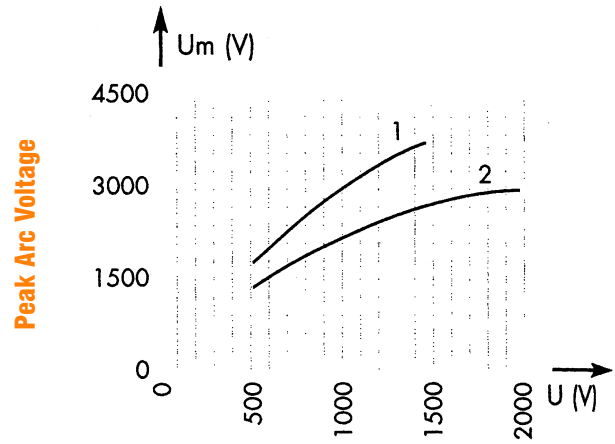
DC Voltage Capability vs. Time Constant



DC Voltage Capability

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

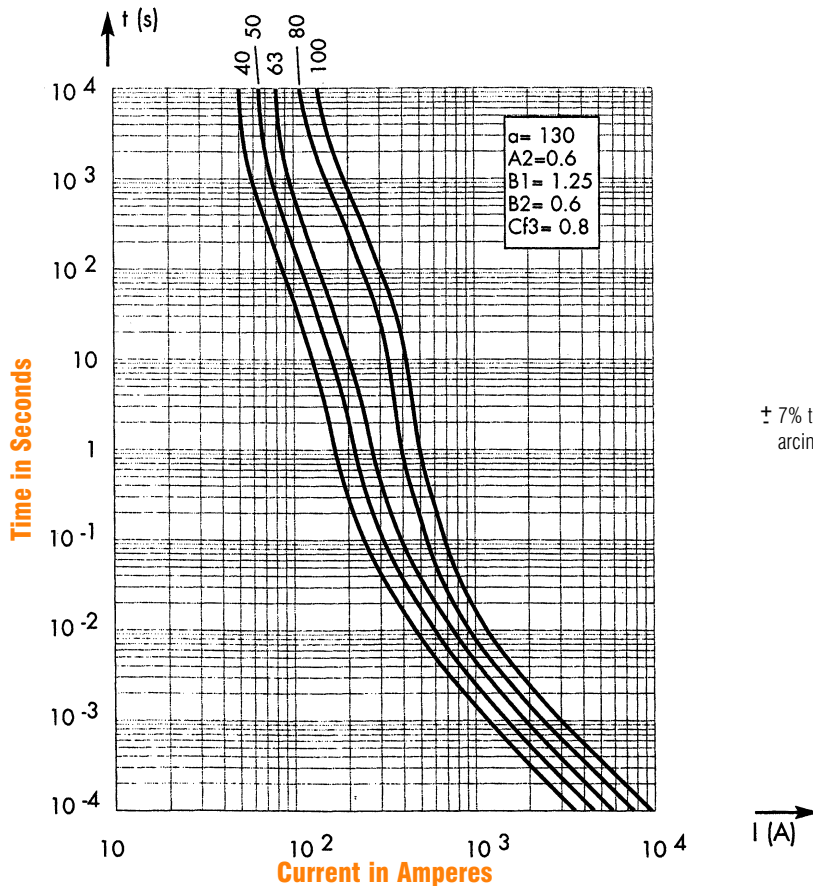
Peak Arc Voltage vs. Working Voltage



Circuit Voltage

1- L/R = 45 ms
2- L/R = 15 ms

Melting Time vs. Current Data



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

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