

660-750V DC

SQUARE-BODY/SPECIAL PURPOSE

SIZE: 123



Ratings

CC 7.5gRC 500 Amp

- 750vdc@100kA
L/R = 100mSec
- 900vdc at 100kA
L/R = 40mSec

CC 7.5gRB, gRD

- 630 to 750 Amp
- 750vdc@100kA/
R = 50mSec

CC 6.6gRB 800 Amp

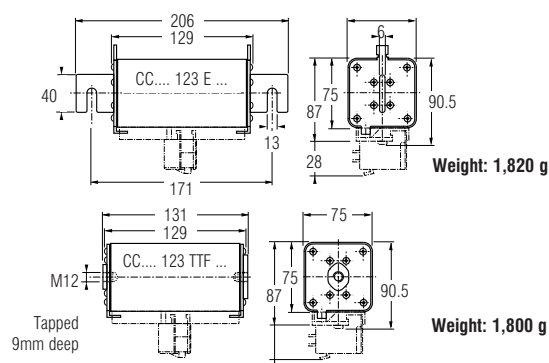
- 660vdc@100kA
L/R = 50mSec

Features/Benefits

- **Blown Fuse** indicator
- **Square** ceramic body
- **Full range** D.C. operation
- Bladed and tapped versions standard

➤ Dimensions

75



APPLICATIONS DATA

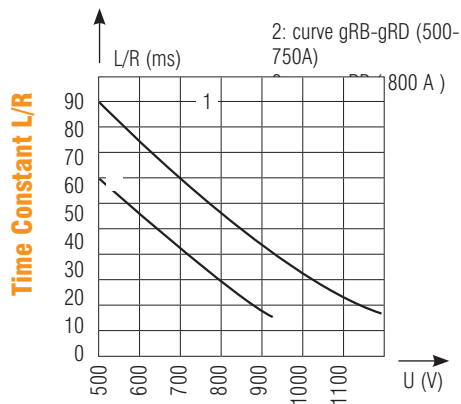
SIZE	CURRENT RATING I_N (A)	INTERRUPTING RATING	MAXIMUM I^2t @900V = L/R 40ms		WATTS LOSS		CATALOG NUMBER (1)	REF. NUMBER
			$I_p = 10 I_N$	$I_p = 50 I_N$	$0.8 I_N$	I_N		
123	500 500	@ 750V DC 100kA L/R = 100ms	5×10^6	1×10^6	51	93.5	CC 7.5 gRC 123 EF 0500 CC 7.5 gRC 123 TTF 0500	M089389 D090439
		@ 900V DC 100kA L/R = 40ms	5×10^6	1×10^6	51	93.5		
	630 700 750	@ 750V DC 100kA L/R = 50ms	maximum I^2t (A ² s) @800V = L/R 40ms		See page 657		CC 7.5 gRB 123 EF 0630 CC 7.5 gRB 123 EF 0700 CC 7.5 gRD 123 EF 0750 CC 7.5 gRB 123 TTF 0630 CC 7.5 gRB 123 TTF 0700 CC 7.5 gRD 123 TTF 0750	B098556 Q078191 F220943 C098557 F090441 H220945
			$I_p = 10 I_N$	$I_p = 50 I_N$				
			7.5×10^6	1.5×10^6				
			10×10^6	2×10^6				
			10×10^6	2×10^6				
			7.5×10^6	1.5×10^6				
			10×10^6	2×10^6				
			10×10^6	2×10^6				
	800 800	@ 660V DC 100kA L/R = 50ms	maximum I^2t (A ² s) @660V = L/R 30ms		90 90		CC 6.6 gRB 123 EF 0800 CC 6.6 gRB 123 TTF 0800	G220944 J220946
			$I_p = 10 I_N$	$I_p = 50 I_N$				
			12.15×10^6	2.6×10^6				
			12.15×10^6	2.6×10^6				

Contact factory for holder

660-750V DC

SQUARE-BODY/SPECIAL PURPOSE

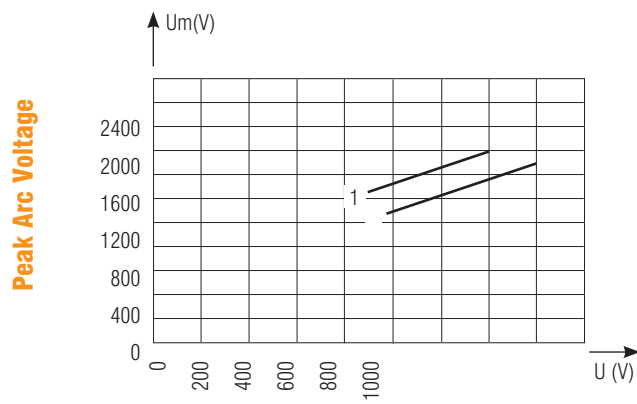
DC Voltage Capabilities vs. Time Constant



DC Voltage Capability

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

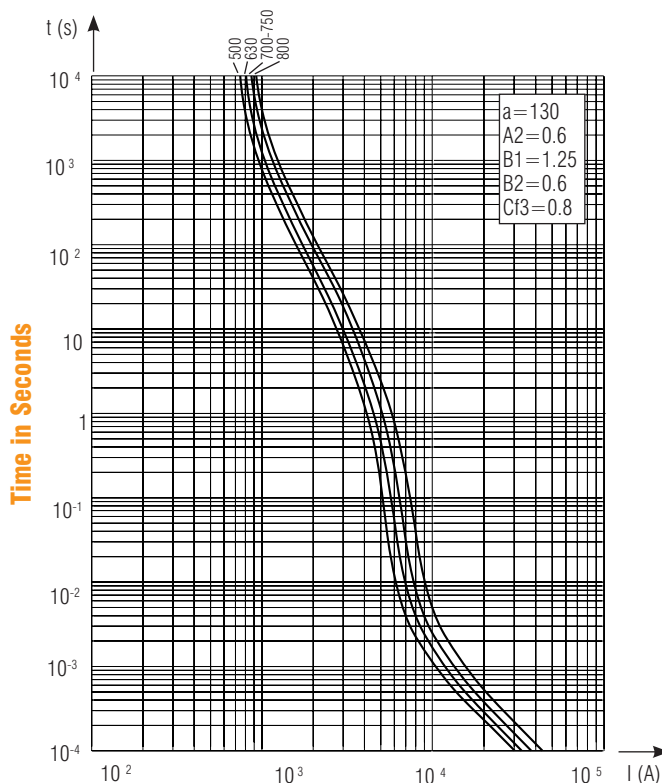
Peak Arc Voltage vs. Working Voltage



Circuit Voltage

1- $L/R = 100\text{ms}$
2- $L/R = 40\text{ms}$

Melting Time-Current Data



Current in Amperes

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

Current rating (A)	630	550	Maximum operating current (A)
	700	600	
	750	600	
	800	650	

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

G