

# 750V DC

## SQUARE-BODY FUSES/SPECIAL PURPOSE

### SIZE: 122



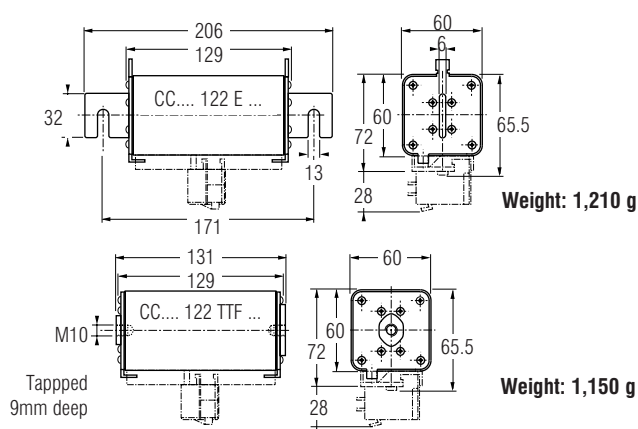
#### Ratings

- 250 to 500 Amps
- 750vdc at 100kA  
L/R=100mSec
- 900vdc 100kA L/  
R=40mSec

#### Features/Benefits

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

#### ➤ Dimensions



### APPLICATIONS DATA

| SIZE | CURRENT RATING<br>$I_N$ (A) | INTERRUPTING RATING                 | MAXIMUM $I^2t$<br>@900V=L/R 40ms |                      | WATTS LOSS |       | CATALOG NUMBER (1)      | REF. NUMBER |
|------|-----------------------------|-------------------------------------|----------------------------------|----------------------|------------|-------|-------------------------|-------------|
|      |                             |                                     | $I_p=10I_N$                      | $I_p=50I_N$          | $0.8 I_N$  | $I_N$ |                         |             |
| 122  | 250                         | @ 750V DC<br>100kA<br>L/R = 100ms   | 1.25x10 <sup>6</sup>             | 250,000              | 25.5       | 46.7  | CC 7,5 gRC 122 EF 0250  | A087331     |
|      | 315                         |                                     | 2x10 <sup>6</sup>                | 400,000              | 31.5       | 58    | CC 7,5 gRC 122 EF 0315  | B087332     |
|      | 350                         |                                     | 2.5x10 <sup>6</sup>              | 500,000              | 35         | 64.5  | CC 7,5 gRC 122 EF 0350  | W221141     |
|      | 400                         |                                     | 3.1x10 <sup>6</sup>              | 600,000              | 40.5       | 74.5  | CC 7,5 gRC 122 EF 0400  | L089388     |
|      | 450                         |                                     | 4x10 <sup>6</sup>                | 800,000              | 49         | 90    | CC 7,5 gRD 122 EF 0450  | P220951     |
|      | 500                         |                                     | 6.2x10 <sup>6</sup>              | 1.25x10 <sup>6</sup> | 52         | 95    | CC 7,5 gRD 122 EF 0500  | Q220952     |
|      | 250                         | @ 900 V DC =<br>100kA<br>L/R = 40ms | 1.25 x10 <sup>6</sup>            | 250,000              | 25.5       | 46.7  | CC 7,5 gRC 122 TTF 0250 | B090437     |
|      | 315                         |                                     | 2x10 <sup>6</sup>                | 400,000              | 31.5       | 58    | CC 7,5 gRC 122 TTF 0315 | M085249     |
|      | 350                         |                                     | 2.5x10 <sup>6</sup>              | 500,000              | 35         | 64.5  | CC 7,5 gRC 122 TTF 0350 | G220898     |
|      | 400                         |                                     | 3.1x10 <sup>6</sup>              | 600,000              | 40.5       | 74.5  | CC 7,5 gRC 122 TTF 0400 | C090438     |
|      | 450                         |                                     | 4x10 <sup>6</sup>                | 800,000              | 49         | 90    | CC 7,5 gRD 122 TTF 0450 | R220953     |
|      | 500                         |                                     | 6.2x10 <sup>6</sup>              | 1.25x10 <sup>6</sup> | 52         | 95    | CC 7,5 gRD 122 TTF 0500 | S220954     |

\*MAX.  $I^2t$  @ 800V=, L/R=40ms

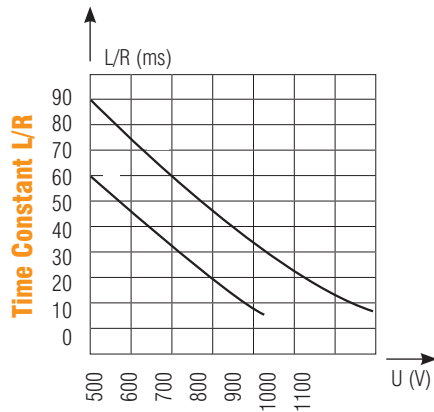
Microswitch: MC 3E 1-5N Ref. Number: D310020

Contact factory for holder

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## SQUARE-BODY FUSES/SPECIAL PURPOSE

### DC Voltage Capabilities vs. Time Constant

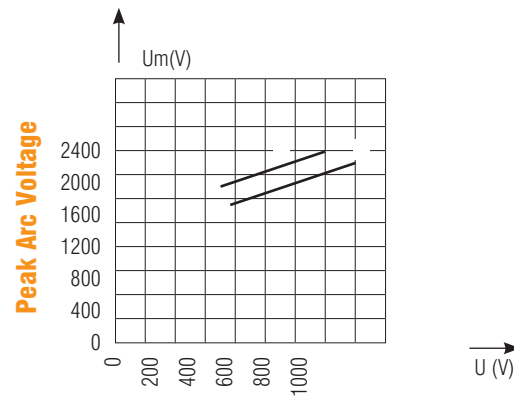


#### DC Voltage Capability

1-gRC-gRD (250-450A)  
2-gRD 500A

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

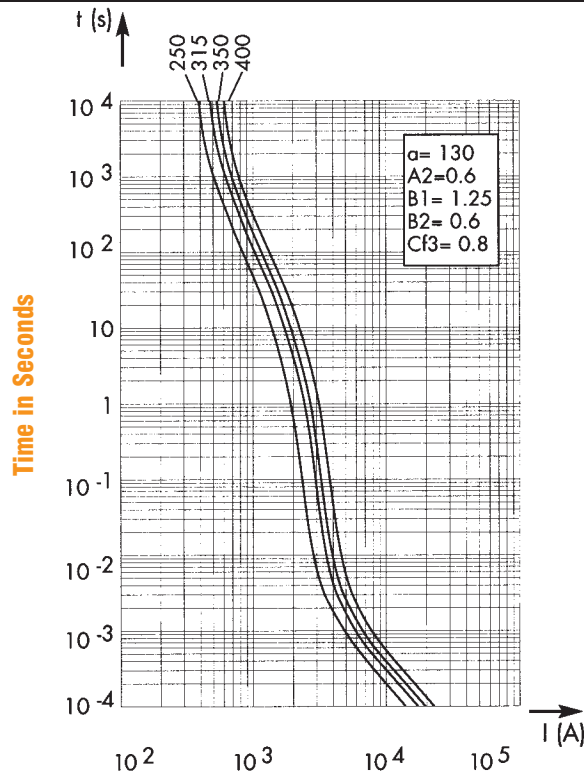
### Peak Arc Voltage vs. Working Voltage



#### Circuit Voltage

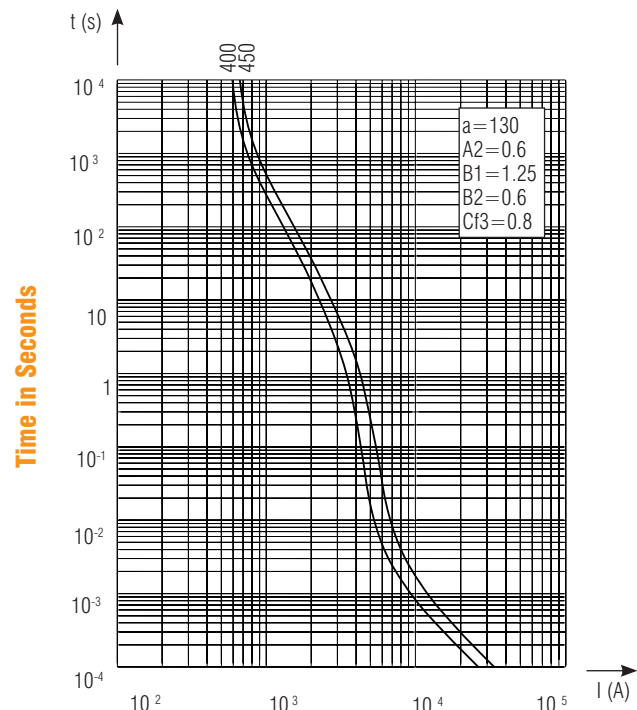
1-L/R = 100ms  
2-L/R = 40ms

### 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 in Amperes

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