



# FWA 150V 70-1000A

| Type        | Electrical Characteristics |                                       |                     |               | Ordering Information |                | Dimensions                |                  |
|-------------|----------------------------|---------------------------------------|---------------------|---------------|----------------------|----------------|---------------------------|------------------|
|             | Rated Current<br>RMS-Amps  | I <sup>2</sup> t (A <sup>2</sup> Sec) |                     | Watts<br>Loss | Part<br>Number       | Carton<br>Qty. | Carton<br>Weight<br>(lbs) | Figure<br>Number |
|             |                            | Pre-arc                               | Clearing<br>at 150V |               |                      |                |                           |                  |
| FWA<br>150V | 70                         | 470                                   | 4000                | 6.9           | FWA-70B              | 1              | 0.18                      | Fig. 1           |
|             | 80                         | 670                                   | 6000                | 7.7           | FWA-80B              |                |                           |                  |
|             | 100                        | 1200                                  | 12000               | 9.0           | FWA-100B             |                |                           |                  |
|             | 125                        | 1870                                  | 18000               | 11.2          | FWA-125B             |                |                           |                  |
|             | 150                        | 2700                                  | 26000               | 13.5          | FWA-150B             |                |                           |                  |
|             | 200                        | 4780                                  | 45000               | 17.6          | FWA-200B             |                |                           |                  |
|             | 250                        | 7470                                  | 70000               | 22.5          | FWA-250B             |                |                           |                  |
|             | 300                        | 10760                                 | 100000              | 27.0          | FWA-300B             |                |                           |                  |
|             | 350                        | 15700                                 | 140000              | 30.6          | FWA-350B             |                |                           |                  |
|             | 400                        | 20300                                 | 180000              | 35.2          | FWA-400B             |                |                           |                  |
|             | 500                        | 39000                                 | 120000              | 35.0          | FWA-500A             | 5              | 2.42                      | Fig. 2           |
|             | 600                        | 46000                                 | 140000              | 47.0          | FWA-600A             |                |                           |                  |
|             | 700                        | 75000                                 | 220000              | 49.0          | FWA-700A             |                |                           |                  |
|             | 800                        | 92000                                 | 280000              | 58.0          | FWA-800A             |                |                           |                  |
|             | 1000                       | 170000                                | 510000              | 60.0          | FWA-1000A            |                |                           |                  |

- Interrupting rating 100kA RMS Symmetrical for ampere ratings 70-400.
- Interrupt rating 200kA RMS Symmetrical for ampere ratings 450-1000.
- Watts loss provided at rated current.
- 150 Vdc U.L. Recognition on 70 through 800 amperes only. Consult Bussmann for additional ratings.

1 kg = 2.2 lbs 1 lb = 0.45 kg

## Electrical Characteristics

### Total Clearing I<sup>2</sup>t

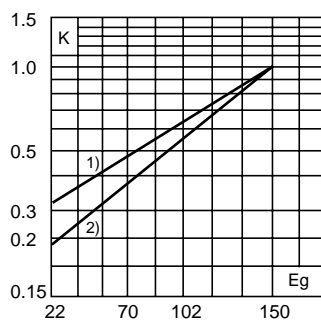
The total clearing I<sup>2</sup>t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I<sup>2</sup>t is found by multiplying by correction factor, K, given as a function of applied working voltage, E<sub>g</sub>, (RMS).

### Arc Voltage

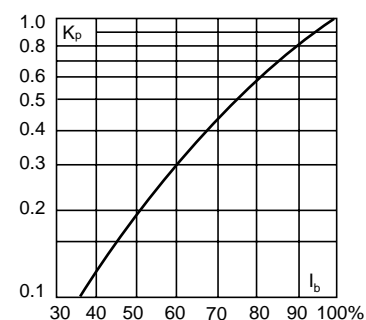
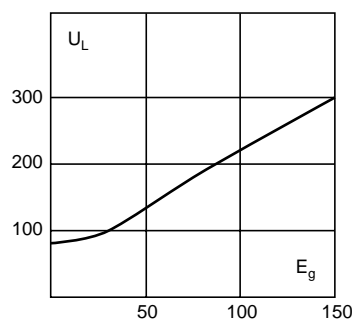
This curve gives the peak arc voltage, U<sub>L</sub>, which may appear across the fuse during its operation as a function of the applied working voltage, E<sub>g</sub>, (RMS) at a power factor of 15%.

### Power Losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, K<sub>p</sub>, is given as a function of the RMS load current, I<sub>b</sub>, in % of the rated current.



1) 500-1000 Amp Range  
2) 70-400 Amp Range



# FWA 150V 70-1000A

## Dimensions

Fig. 1: 70-400 Amp Range

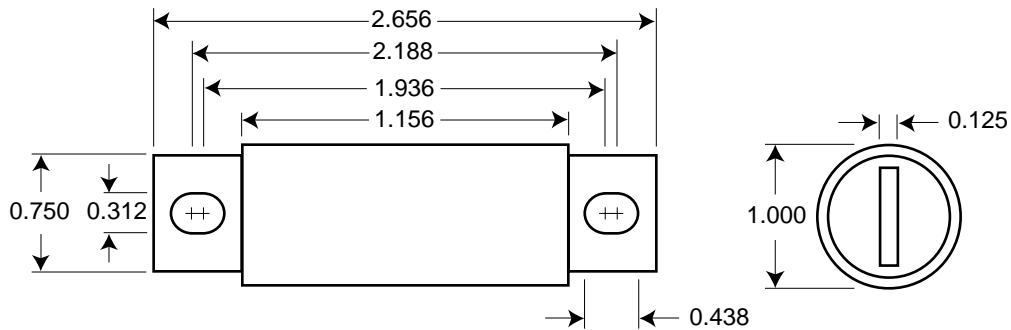
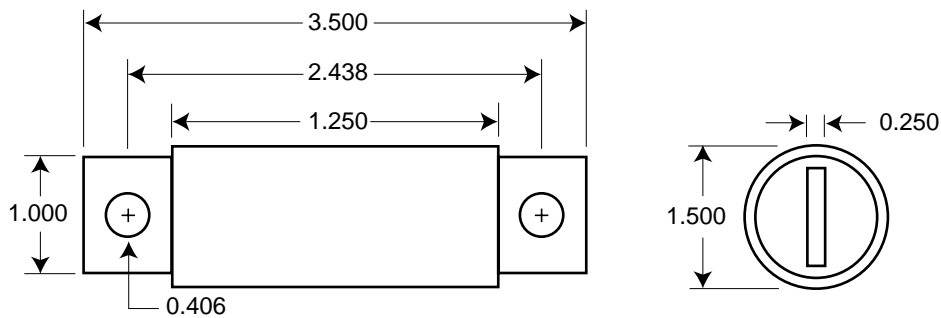


Fig. 2: 500-1000 Amp Range



Dimension in inches.  
 1mm = 0.0394" 1" = 25.4mm

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