## FWA 150V 70-1000A



| Electrical Characteristics |                              |                                  |                                     |               | Ordering Information |                |                           | Dimensions       | Curves   |
|----------------------------|------------------------------|----------------------------------|-------------------------------------|---------------|----------------------|----------------|---------------------------|------------------|----------|
| Туре                       | Rated<br>Current<br>RMS-Amps | I <sup>2</sup> t (A <sup>2</sup> | <sup>2</sup> Sec)  Clearing at 150V | Watts<br>Loss | Part<br>Number       | Carton<br>Qty. | Carton<br>Weight<br>(lbs) | Figure<br>Number | BIF#     |
| FWA<br>150V                | 70                           | 470                              | 4000                                | 6.9           | FWA-70B              | 1 0.18         | (.20)                     | Fig. 1           | 35785310 |
|                            | 80                           | 670                              | 6000                                | 7.7           | FWA-80B              |                | 0.18                      |                  |          |
|                            | 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            |                |                           |                  |          |

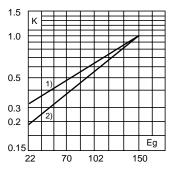
- Interrupting rating 100kA RMS Symmetrical for ampere ratings 70-400.
- Interrupting rating 200kA RMS Symmetrical for ampere ratings 450-1000.
- Watts loss provided at rated current.
- (150 Vdc/Interruting rating 20kA) U.L. Recognition on 70-800 amperes.
- (80 Vdc/Interruting rating 100kA) U.L. Recognition on 70-400 amperes.

#### 1 kg = 2.2 lbs 1 lb = 0.45 kg

## **Electrical Characteristics**

#### Total Clearing I2t

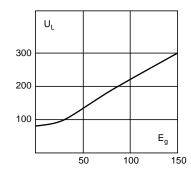
The total clearing  $l^2t$  at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing  $l^2t$  is found by multiplying by correction factor, K, given as a function of applied working voltage,  $E_g$ , (RMS).



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

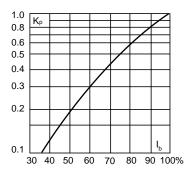
#### **Arc Voltage**

This curve gives the peak arc voltage,  $U_L$ , which may appear across the fuse during its operation as a function of the applied working voltage,  $E_g$ , (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,  $K_p,$  is given as a function of the RMS load current,  $I_b,$  in % of the rated current .





# **FWA 150V** 70-1000A



### **Dimensions**

Fig. 1: 70-400 Amp Range

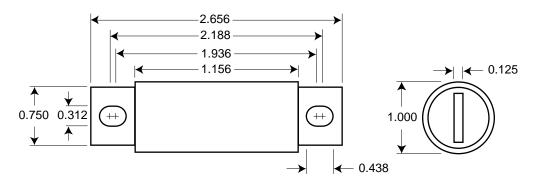
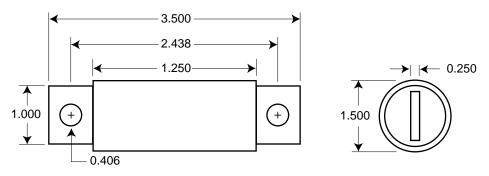


Fig. 2: 500-1000 Amp Range



Dimension in inches.

1mm = 0.0394" 1" = 25.4mm

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