

Ferrule

**FWA 150V 5-60A**

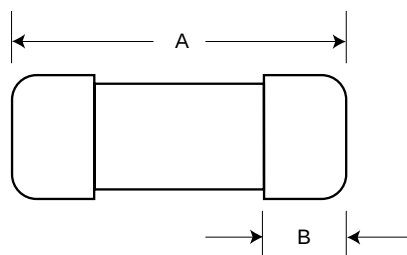
| Electrical Characteristics                     |                           |                                     |                     |               | Ordering Information |                |                          | Dimensions       |
|------------------------------------------------|---------------------------|-------------------------------------|---------------------|---------------|----------------------|----------------|--------------------------|------------------|
| Size                                           | Rated Current<br>RMS-Amps | I <sup>2</sup> t (A <sup>2</sup> S) |                     | Watts<br>Loss | Part<br>Number       | Carton<br>Qty. | Carton<br>Weight<br>(kg) | Figure<br>Number |
|                                                |                           | Pre-arc                             | Clearing<br>at 150V |               |                      |                |                          |                  |
| 10 × 38mm<br>( <sup>13</sup> / <sub>32</sub> " | 5                         | 1.6                                 | 8                   | 1             | FWA-5A10F            | 10             | 0.100                    | Fig. 1           |
|                                                | 10                        | 3.6                                 | 16                  | 2.7           | FWA-10A10F           |                |                          |                  |
|                                                | 15                        | 14                                  | 55                  | 3.3           | FWA-15A10F           |                |                          |                  |
|                                                | 20                        | 33                                  | 130                 | 3.8           | FWA-20A10F           |                |                          |                  |
|                                                | 25                        | 58                                  | 220                 | 4.9           | FWA-25A10F           |                |                          |                  |
|                                                | 30                        | 100                                 | 400                 | 4.9           | FWA-30A10F           |                |                          |                  |
| 21 × 51mm<br>( <sup>13</sup> / <sub>16</sub> " | 35                        | 75                                  | 800                 | 4.5           | FWA-35A21F           | 10             | 0.600                    | Fig. 1           |
|                                                | 40                        | 100                                 | 1000                | 5.1           | FWA-40A21F           |                |                          |                  |
|                                                | 45                        | 130                                 | 1300                | 6             | FWA-45A21F           |                |                          |                  |
|                                                | 50                        | 170                                 | 1600                | 7.3           | FWA-50A21F           |                |                          |                  |
|                                                | 60                        | 250                                 | 2400                | 8.0           | FWA-60A21F           |                |                          |                  |

- Interrupting rating 100kA RMS Symmetrical.
- 150 Vdc U.L. Recognition.
- Watts loss provided at rated current.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

## Dimensions

Fig. 1: 5-60 Amp Range



| Part Number       | Metric |      |      | Inches |       |       |
|-------------------|--------|------|------|--------|-------|-------|
|                   | A      | B    | C    | A      | B     | C     |
| FWA 5A10F-30A10F  | 38.1   | 9.5  | 10.3 | 1.5    | 0.375 | 0.406 |
| FWA 35A21F-60A21F | 50.8   | 15.9 | 20.6 | 2.0    | 0.625 | 0.811 |

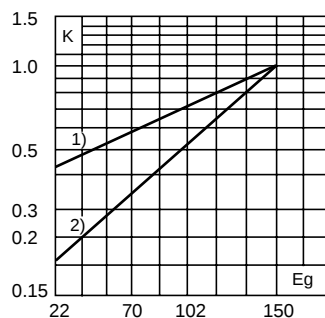
Dimension in mm.

1mm = 0.0394" 1" = 25.4mm

## 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).

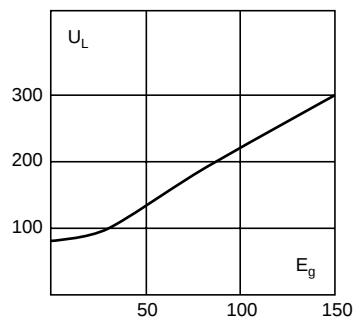


1) 5-30 Amp Range

2) 35-60 Amp Range

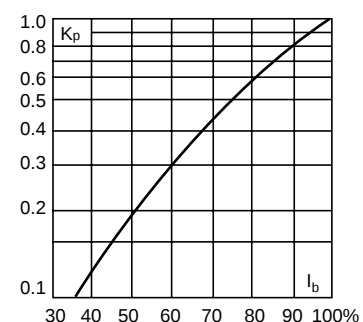
### Arc Voltage

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.



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