



Ferrule

**FWC 600V 6-32A**

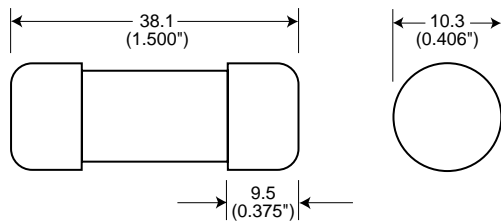
| Electrical Characteristics                     |                        |                                     |                  | Ordering Information |             |             |                    | Dimensions    | Curves   |
|--|------------------------|-------------------------------------|------------------|----------------------|-------------|-------------|--------------------|---------------|----------|
| Size   | Rated Current RMS-Amps | I <sup>2</sup> t (A <sup>2</sup> S) |                  | Watts Loss           | Part Number | Carton Qty. | Carton Weight (kg) | Figure Number | BIF #    |
|  |                        | Pre-arc                             | Clearing at 600V |                      |             |             |                    |               |          |
| 10 × 38mm<br>(1 <sup>3</sup> / <sub>32</sub> " | 6                      | 4                                   | 30               | 1.5                  | FWC-6A10F   | 10          | 0.100              | Fig. 1        | 35785306 |
|  | 8                      | 6                                   | 50               | 2.0                  | FWC-8A10F   |             |                    |               |          |
|  | 10                     | 9                                   | 70               | 2.5                  | FWC-10A10F  |             |                    |               |          |
|  | 12                     | 15                                  | 120              | 3.0                  | FWC-12A10F  |             |                    |               |          |
|  | 16                     | 25                                  | 150              | 3.5                  | FWC-16A10F  |             |                    |               |          |
|  | 20                     | 34                                  | 260              | 4.8                  | FWC-20A10F  |             |                    |               |          |
|  | 25                     | 60                                  | 390              | 6.0                  | FWC-25A10F  |             |                    |               |          |
| 32   | 95                     | 600                                 | 7.5              | FWC-32A10F           |             |             |                    |               |          |

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (400 Vdc/Interrupting rating 50kA) U.L. Recognition: 32A
- (700 Vdc/Interrupting rating 50kA) U.L. Recognition: 6 - 25A

1 kg = 2.2 lbs. 1 lb = 0.45 kg

**Dimensions**

Fig. 1: 6-32 Amp Range



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

**Electrical Characteristics**

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

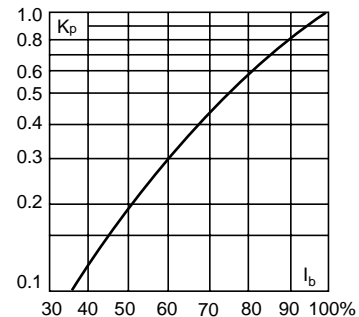
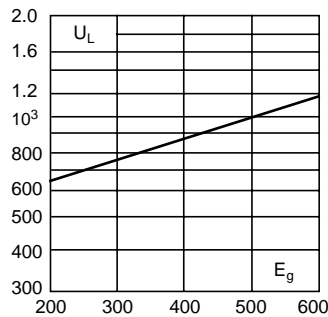
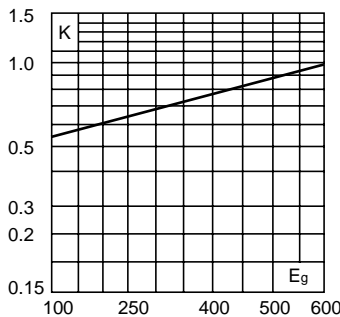
The total clearing I<sup>2</sup>t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I<sup>2</sup>t is found by multiplying by correction factor, K, given as a function of applied working voltage, E<sub>g</sub>, (RMS).

**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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