# FWP 700V 5-1200A

| Electrical Characteristics | | | | | Ordering Information | | | Dimensions | Curves |
|---|---|---|---|---|---|---|---|---|---|
| Type | Rated Current RMS-Amps | $I^2t$ ($A^2$ Sec) Pre-arc | $I^2t$ ($A^2$ Sec) Clearing at 700V | Watts Loss | Part Number | Carton Qty. | Carton Weight (lbs) | Figure Number | BIF # |
| FWP 700V | 5 | 1.6 | 10 | 1.5 | FWP-5B | 10 | 2.25 | Fig. 1 | 35785316 |
| | 10 | 3.6 | 20 | 4 | FWP-10B | | | | |
| | 15 | 10 | 75 | 5.5 | FWP-15B | | | | |
| | 20 | 26 | 180 | 6 | FWP-20B | | | | |
| | 25 | 44 | 340 | 7 | FWP-25B | | | | |
| | 30 | 58 | 450 | 9 | FWP-30B | | | | |
| | 35 | 34 | 160 | 12 | FWP-35B | 5 | 1.21 | | 35785308 |
| | 40 | 76 | 320 | 12 | FWP-40B | | | | |
| | 50 | 135 | 600 | 12 | FWP-50B | | | | |
| | 60 | 210 | 950 | 15.5 | FWP-60B | | | | |
| | 70 | 305 | 2000 | 18 | FWP-70B | 1 | 0.24 | | |
| | 80 | 360 | 2400 | 21 | FWP-80B | | | | |
| | 90 | 415 | 2700 | 25 | FWP-90B | | | | |
| | 100 | 540 | 3500 | 27 | FWP-100B | | | | |
| | 125 | 1800 | 7300 | 28 | FWP-125A | | 0.65 | | 361 |
| | 150 | 2900 | 11700 | 32 | FWP-150A | | | | |
| | 175 | 4200 | 16700 | 35 | FWP-175A | | | | |
| | 200 | 5500 | 22000 | 43 | FWP-200A | | | | |
| | 225 | 7700 | 31300 | 45 | FWP-225A | | 1.17 | | |
| | 250 | 10500 | 42500 | 48 | FWP-250A | | | | |
| | 300 | 17600 | 71200 | 58 | FWP-300A | | | | |
| | 350 | 23700 | 95600 | 65 | FWP-350A | | | | |
| | 400 | 31000 | 125000 | 78 | FWP-400A | | | | |
| | 450 | 36400 | 137000 | 94 | FWP-450A | | 2.39 | | |
| | 500 | 45200 | 170000 | 107 | FWP-500A | | | | |
| | 600 | 66700 | 250000 | 122 | FWP-600A | | | | |
| | 700 | 54000 | 300000 | 125 | FWP-700A | | 1.21 | | 35785308 |
| | 800 | 78000 | 450000 | 140 | FWP-800A | | | | |
| | 900 | 91500 | 530000 | 150 | FWP-900A | | 6.60 | Fig. 2 | |
| | 1000 | 120000 | 600000 | 170 | FWP-1000A | | | | |
| | 1200 | 195000 | 1100000 | 190 | FWP-1200A | | | Fig. 3 | |

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (700 Vdc/Interrupting rating 50kA) U.L. Recognition & CSA Component Acceptance on 5 through 100 & 700 through 800 amperes.
- (700 Vdc/Interrupting rating 10kA) U.L. Recognition & CSA Component Acceptance on 125 through 600 amperes.

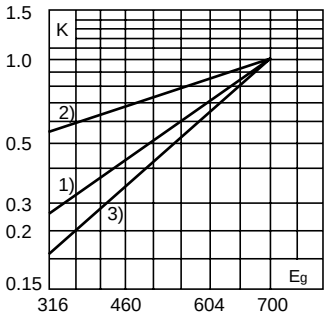
1 kg = 2.2 lbs 1 lb = 0.45 kg

# FWP 700V 5-1200A

## Electrical Characteristics

### Total Clearing $I^2t$

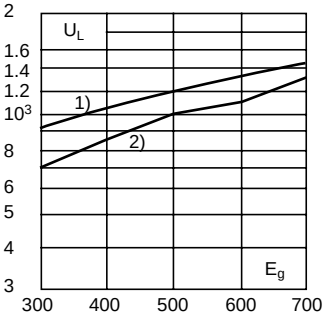
The total clearing $I^2t$ at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing $I^2t$ is found by multiplying by correction factor, K, given as a function of applied working voltage, $E_g$, (RMS).




1) 35-100 Amp Range
2) 125-600 Amp Range
3) 700-1200 Amp Range

### Arc Voltage

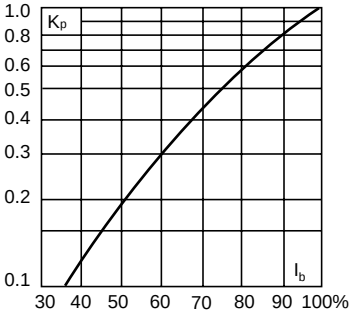
This curve gives the peak arc voltage, $U_L$, which may appear across the fuse during its operation as a function of the applied working voltage, $E_g$, (RMS) at a power factor of 15%.




1) 125-600 Amp Range
2) 35-100 & 700-1200 Amp Range

### 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.




## Dimensions

Fig. 1: 5-800 Amp Range

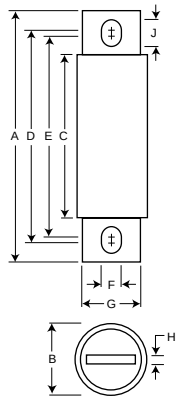



Fig. 2: 900-1000 Amp Range

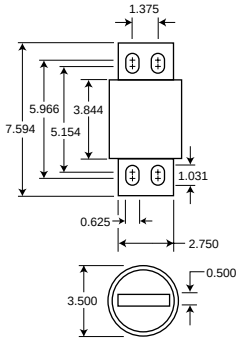
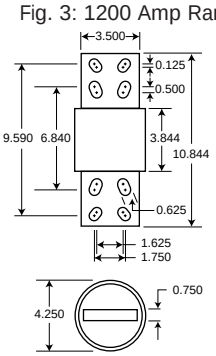



Fig. 3: 1200 Amp Range




| Order # | Fig. | A | B | C | D | E | F | G | H | J |
|---|---|---|---|---|---|---|---|---|---|---|
| FWP-5B-30B | 1 | 2.870 | 0.563 | 1.855 | 2.477 | 2.477 | 0.250 | 0.405 | 0.063 | 0.250 |
| FWP-35B-60B | 1 | 4.375 | 0.813 | 2.750 | 3.708 | 3.312 | 0.344 | 0.725 | 0.125 | 0.542 |
| FWP-70B-100B | 1 | 4.406 | 0.947 | 2.594 | 3.625 | 3.563 | 0.344 | 0.750 | 0.125 | 0.375 |
| FWP-125A-200A | 1 | 5.090 | 1.500 | 2.840 | 4.190 | 3.500 | 0.410 | 1.000 | 0.250 | 0.750 |
| FWP-225A-400A | 1 | 5.090 | 2.000 | 2.840 | 4.280 | 3.530 | 0.410 | 1.500 | 0.250 | 0.780 |
| FWP-450A-600A | 1 | 7.090 | 2.500 | 2.840 | 5.720 | 4.190 | 0.530 | 2.000 | 0.380 | 1.300 |
| FWP-700A-800A | 1 | 6.630 | 2.000 | 2.844 | 5.562 | 5.062 | 0.625 | 1.500 | 0.250 | 0.875 |
| FWP-900A-1000A | 2 | | | | | See Drawing | | | | |
| FWP-1200A | 3 | | | | | See Drawing | | | | |

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

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