Ferrule

FWC 600V 6-32A

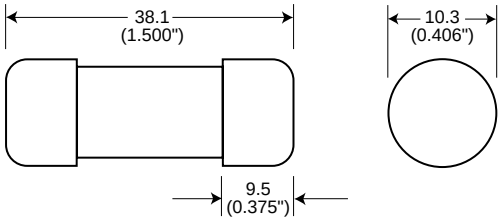
Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 600V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	BIF #
10 × 38mm (13⁄32″)	6	4	30	1.5	FWC-6A10F	10	0.100	Fig. 1	35785306
	8	6	50	2.0	FWC-8A10F				
	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^2t

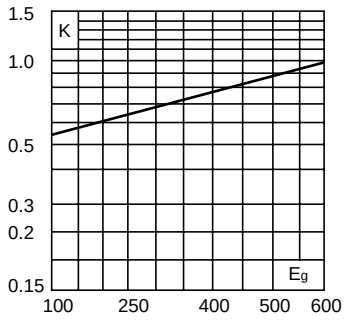
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

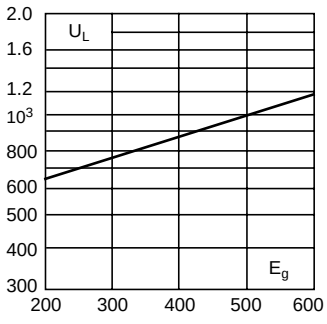
Arc Voltage

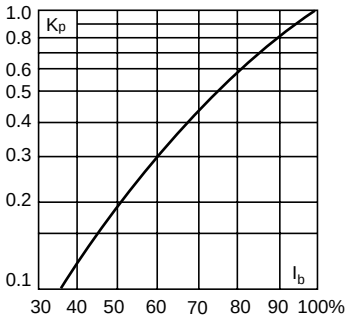
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

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.







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