

Ferrule

FWA 150V 5-60A

Electrical Characteristics					Ordering Information			Dimensions	Curves
Size	Rated Current RMS-Amps	I ² t (A ² S)		Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	BIF #
		Pre-arc	Clearing at 150V						
10 × 38mm (13/32")	5	1.6	8	1	FWA-5A10F	10	0.100	Fig. 1	35785317
	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				
21 × 51mm (13/16")	30	100	400	4.9	FWA-30A10F	10	0.600	Fig. 1	35785305
	35	75	800	4.5	FWA-35A21F				
	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.

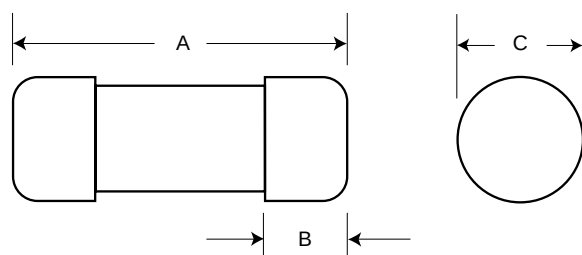
1 kg = 2.2 lbs. 1 lb = 0.45 kg

■ 150 Vdc U.L. Recognition.

■ Watts loss provided at rated current.

Dimensions

Fig. 1: 5-60 Amp Range



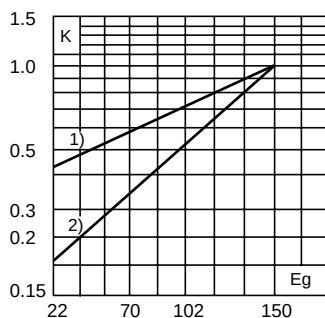
Part Number	Metric			Inches		
	A	B	C	A	B	C
FWA 5A10F-30A10F	38.1	9.5	10.3	1.5	0.375	0.406
FWA 35A21F-60A21F	50.8	15.9	20.6	2.0	0.625	0.811

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

Electrical Characteristics

Total Clearing I²t

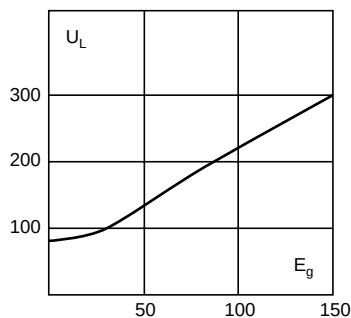
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) 5-30 Amp Range
2) 35-60 Amp Range

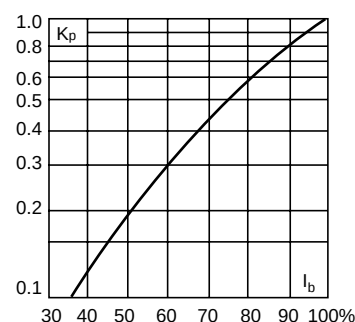
Arc Voltage

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.



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