

Ferrule

FWH 500V 1-30A

Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I²t (A²S)		Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page or (BIF #)
		Pre-arc	Clearing at 500V						
14 × 51mm (⁹ / ₁₆ ")	1	—	—	—	FWH-1A14F	10	0.250	Fig. 1	page 93 (35785298)
	2	—	—	—	FWH-2A14F				
	3	—	—	2.3	FWH-3A14F				
	4	—	—	—	FWH-4A14F				
	5	1.6	6.4	1.5	FWH-5A14F				
	6	1.6	6.4	1.5	FWH-6A14F				
	10	3.6	13	4	FWH-10A14F				
	12	—	—	—	FWH-12A14F				
	15	10	40	5.5	FWH-15A14F				
	20	26	96	6	FWH-20A14F				
	25	49	191	7	FWH-25A14F				
	30	58	232	9	FWH-30A14F				

■ Interrupting rating 200kA RMS Symmetrical.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

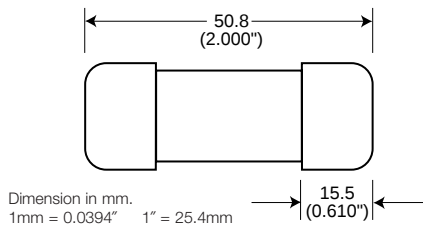
■ Watts loss provided at rated current.

■ 500 Vdc U.L. Recognition on 5 through 30 amperes only. Consult Bussmann for additional ratings.

■ See accessories on page 90.

Dimensions

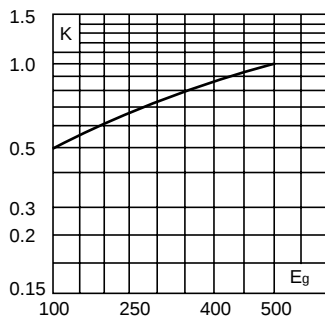
Fig. 1: 1-30 Amp Range



Electrical Characteristics

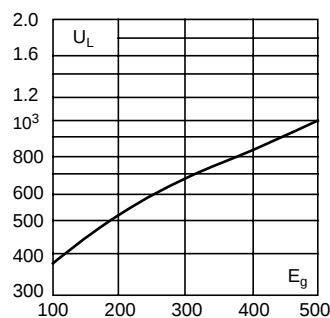
Total Clearing I²t

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).



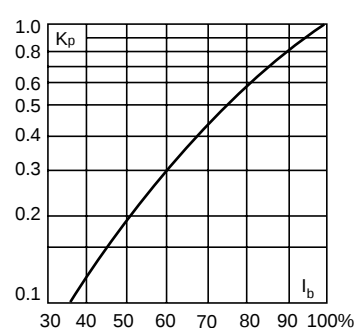
Arc Voltage

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.



The only controlled copy of this BIF document is the electronic read-only version located on the Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.