Ferrule **FWA 150V** 5-60A



Electrical Characteristics				Ordering Information			Dimensions	Curves	
Size	Rated Current RMS-Amps	I ² t (A ² S)					Carton		
		Pre-arc	Clearing at 150V	Watts Loss	Part Number	Carton Qty.	Weight (kg)	Figure Number	BIF #
10 × 38mm (1¾2″)	5	1.6	8	1	FWA-5A10F		0.100	Fig. 1	35785317
	10	3.6	16	2.7	FWA-10A10F				
	15 20	14 33	55 130	3.3 3.8	FWA-15A10F FWA-20A10F	10			
	25	58	220	4.9	FWA-25A10F				
	30	100	400	4.9	FWA-30A10F				
21 × 51mm (¹³ ⁄ ₁₆ ″)	35	75	800	4.5	FWA-35A21F				
	40	100	1000	5.1	FWA-40A21F				
	45	130	1300	6	FWA-45A21F	10	0.600	Fig. 1	35785305
	50	170	1600	7.3	FWA-50A21F				
	60	250	2400	8.0	FWA-60A21F				

Interrupting rating 100kA RMS Symmetrical.

150 Vdc U.L. Recognition.

Watts loss provided at rated current.

Dimensions

Fig. 1: 5-60 Amp Range



← C –	•
	\backslash
)

		Metric	:	Inches		
Part Number	А	В	С	А	В	С
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

1mm = 0.0394" 1" = 25.4mm

Electrical Characteristics

Total Clearing I²t

1.5

1.0

0.5

0.3

0.2

0.15

22

The total clearing l²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing l²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g , (RMS).

102

70

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, l_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.

100

 E_g

150



Form No. Page 1 of 1 BIF Doc #720003

1 kg = 2.2 lbs. 1 lb = 0.45 kg