### **FWA 130V** 1000-4000A



		Electrical Chara	octeristics	Ordering	Dimensions	Curves			
Туре	Rated Current RMS-Amps	I <sup>2</sup> t (A <sup>2</sup> Sec)					Carton		See Page
		Pre-arc	Clearing at 130V	Watts Loss	Part Number	Carton Qty.	Weight (lbs)	Figure Number	or (BIF #)
	1000	170000	460000	60	FWA-1000AH		3.3	Fig. 1	35785301
FWA 130V	1200	270000	730000	70	FWA-1200AH				
	1500	520000	1400000	78	FWA-1500AH				
	2000	860000	2400000	108	FWA-2000AH	1			
	2500	1500000	4100000	130	FWA-2500AH				
	3000	2100000	5700000	150	FWA-3000AH				
	4000	3400000	9200000	257	FWA-4000AH				
Interr	upting rating 200kA	RMS Symmetrical						kg = 2.2 lbs 1	lb = 0.45 kg

Interrupting rating 200kA RMS Symmetrical.

Watts loss provided at rated current.

(130 Vdc/Interrupting Rating 50kA) U.L. Recognition on 1000 through 2000 amperes.

# **Electrical Characteristics**

## **Total Clearing I<sup>2</sup>t**

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



#### Arc Voltage

This curve gives the peak arc voltage,  $\mathsf{U}_{\mathsf{I}}$  , which may appear across the fuse during its operation as a function of the applied working voltage,  ${\rm E}_{\rm q},$  (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,  $\mathrm{K}_\mathrm{p}$  , is given as a function of the RMS load current,  ${\rm I}_{\rm b}$  , in % of the rated current .





# **FWA 130V** 1000-4000A



## **Dimensions**

Fig. 1: 1000-3000 Amp Range











Fig.	В	С	D	Thread Depth
1	2.0	1.0	_	Tapped %"-24 × 1/2"
1	3.0	1.5	_	Tapped 1/2"-20 × 1/2"
2	3.5	1.5	1.5	Tapped 1/2"-20 × 1/2"
	<b>Fig.</b> 1 1 2	1 2.0 1 3.0	1 2.0 1.0 1 3.0 1.5	1 2.0 1.0 — 1 3.0 1.5 —

1 mm = 0.0394'' 1'' = 25.4 mm

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 ochange 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.



Form No. FWA 130 Page 2 of 2 BIF Doc #720001