

North American — FWA 130V: 1000-4000A

FWA

Specifications
 Description: North American style flush-end high speed fuses.
 Dimensions: See Dimensions illustrations.

Ratings:

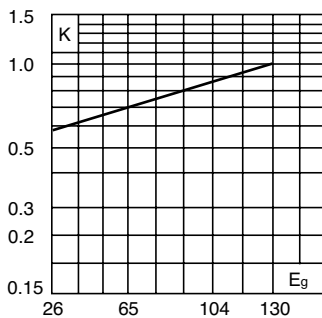
- Volts: — 130Vac
- Amps: — 1000-4000A
- IR: — 200kA RMS Sym.
- 50kA @130Vdc

Agency Information: CE, UL Recognized on 1000-2000A fuses

Electrical Characteristics

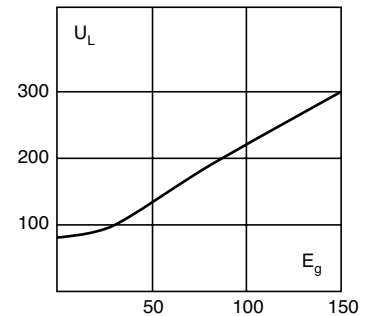
Total Clearing I^2t

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).



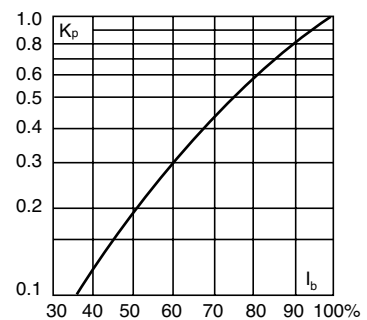
Arc Voltage

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.



Catalog Numbers

Catalog Numbers	Electrical Characteristics			
	Rated Current RMS-Amps	Pt (A ² Sec)		Watts Loss
		Pre-arc	Clearing at 130V	
FWA-1000AH	1000	170000	460000	60
FWA-1200AH	1200	270000	730000	70
FWA-1500AH	1500	520000	1400000	78
FWA-2000AH	2000	860000	2400000	108
FWA-2500AH	2500	1500000	4100000	130
FWA-3000AH	3000	2100000	5700000	150
FWA-4000AH	4000	3400000	9200000	257

• Watts loss provided at rated current.
 • See accessories on page 113.

Features and Benefits

- Excellent DC performance
- Low arc voltage and low energy let-through (I^2t)
- Low watts loss
- Superior cycling capability

Typical Applications

- DC common bus
- DC drives
- Power converters/rectifiers
- Reduced voltage starters

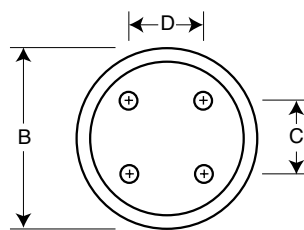
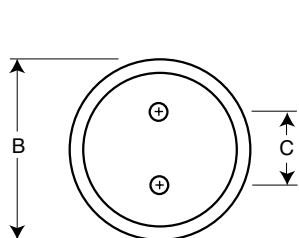
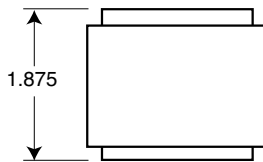
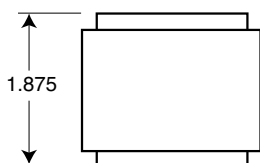
Dimensions (in)

Catalog Number	Fig.	B	C	D	Thread Depth
FWA-1000AH-2000AH	1	2.0	1.0	—	Tapped $\frac{3}{8}$ "-24 x $\frac{1}{2}$ "
FWA-2500AH-3000AH	1	3.0	1.5	—	Tapped $\frac{1}{2}$ "-20 x $\frac{1}{2}$ "
FWA-4000AH	2	3.5	1.5	1.5	Tapped $\frac{1}{2}$ "-20 x $\frac{1}{2}$ "

1mm 0.0394 / 1 25.4mm

ig. 1 1000-3000A

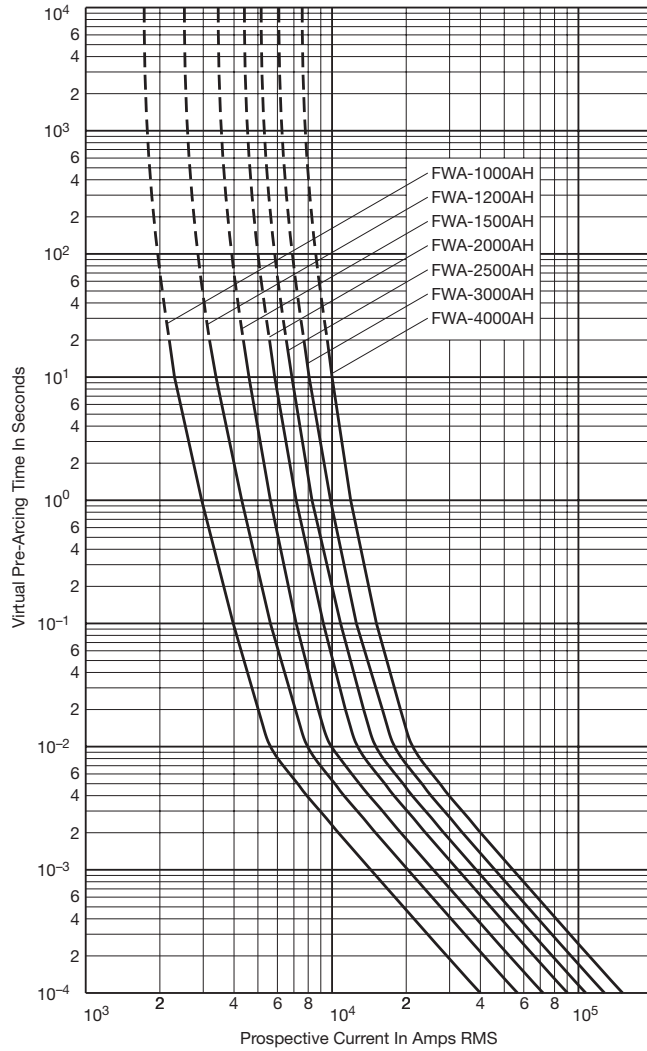
ig. 2 4000A



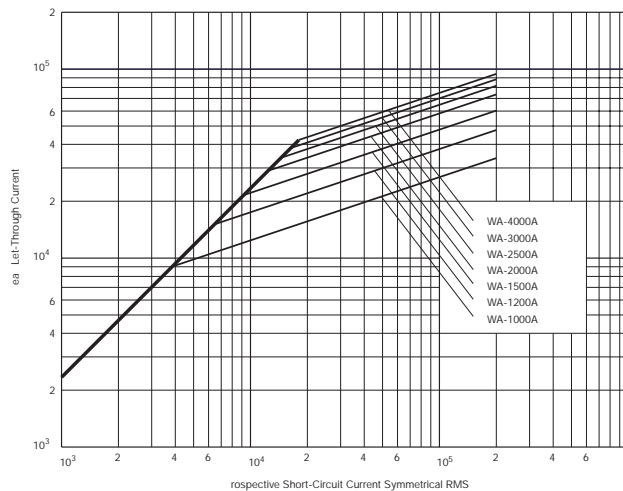
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FWA 1000-4000A: 130V

Time-Current Curve



Peak Let-Through Curve



Data Sheet: 35785301