High Speed Fuses



Ferrule — FWA 150V: 5-60A

FWA 5-30A (10 x 38mm) 35-60A (21 X 51mm)

Specifications

Description: Ferrule style high speed fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: - 150Vac/150Vdc

Amps: - 5-60A

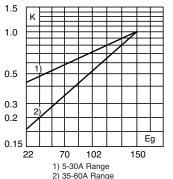
IR: - 100kA Sym.

Agency Information: CE, UL Recognition

Electrical Characteristics

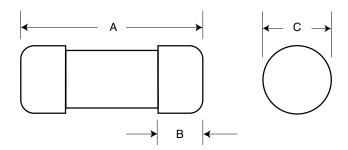
Total Clearing I²t

The total clearing l²t at rated voltage and at power 1.0 factor of 15% are given in the electrical characteristics. For other 0.5 voltages, the clearing l²t is found by multiplying by 0.3 correction factor, K, given 0.2 as a function of applied working voltage, E_g , (rms). 0.15



Dimensions - in (mm)

Amp	Dimensions					
Range	Α	В	С			
5-30	1.5 (38.1)	0.375 (9.5)	0.406 (10.3)	_		
35-60	2.0 (50.8)	0.625 (15.9)	0.811 (20.6)			

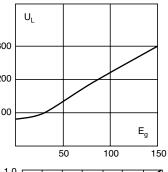


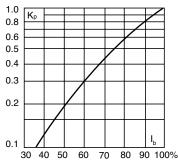
Arc Voltage

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%. 100

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

		ElectricalCharacteristics					
			I ² t (A ² Sec)				
Catalog Numbers	Size	Rated Current RMS-Amps	Pre-arc	Clearing at 150V	Watts Loss		
FWA-5A10F	10 x 38mm	5	1.6	8	1		
FWA-10A10F	(¹ ‰" x 1½")	10	3.6	16	2.7		
FWA-15A10F		15	14	55	3.3		
FWA-20A10F		20	33	130	3.8		
FWA-25A10F		25	58	220	4.9		
FWA-30A10F		30	100	400	4.9		
FWA-35A21F	21 x 51mm	35	75	800	4.5		
FWA-40A21F	(¹³ / ₁₆ " x 2")	40	100	1000	5.1		
FWA-45A21F		45	130	1300	6		
FWA-50A21F		50	170	1600	7.3		
FWA-60A21F		60	250	2400	8.0		

Watts loss provided at rated current.
See accessories on page 211.

Features and Benefits

- · Excellent cycling capability and dc performance
- Low arc voltage and low energy let-through (I²t)
- · Low watts loss in a compact size
- · Used with finger-safe holders/blocks

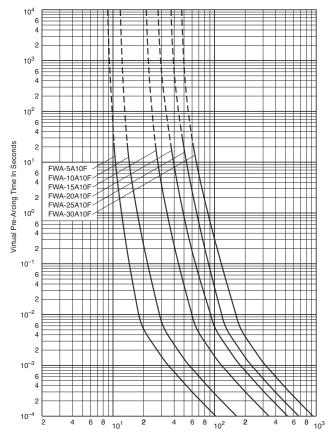
Typical Applications

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

Ferrule — FWA 150V: 5-60A

FWA 5-30A: 150V (10 x 38mm)

Time-Current Curve

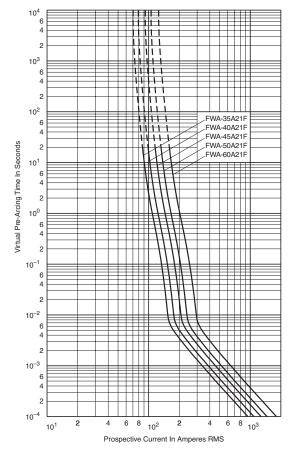


FWA 35-60A: 150V (21 x 51mm)

COOPER

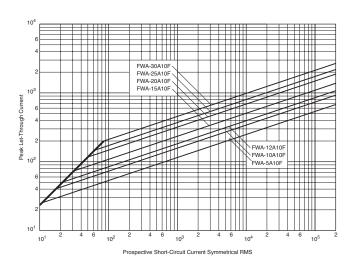
Bussmann

Time-Current Curve



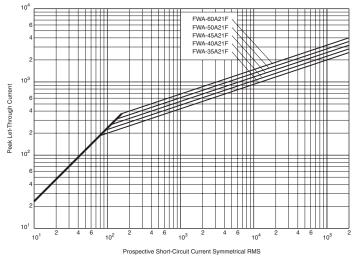
High Speec Fuses

Peak Let-Through Curve



Data Sheet: 35785317

Peak Let-Through Curve



Data Sheet: 35785305