



# THE DATASHEET OF FWP-125A



# FWP 700V 5-1200A



Type	Electrical Characteristics				Ordering Information			Dimensions	Curves
	Rated Current RMS-Amps	I <sup>2</sup> t (A <sup>2</sup> Sec)		Watts Loss	Part Number	Carton Qty.	Carton Weight (lbs)	Figure Number	BIF #
		Pre-arc	Clearing at 700V						
FWP 700V	5	1.6	10	1.5	FWP-5B	10	2.25	Fig. 1	35785316
	10	3.6	20	4	FWP-10B				
	15	10	75	5.5	FWP-15B				
	20	26	180	6	FWP-20B				
	25	44	340	7	FWP-25B				
	30	58	450	9	FWP-30B				
		35	34	160	12	FWP-35B	5	1.21	35785308
		40	76	320	12	FWP-40B			
		50	135	600	12	FWP-50B			
		60	210	950	15.5	FWP-60B	1	0.24	361
		70	305	2000	18	FWP-70B			
		80	360	2400	21	FWP-80B			
		90	415	2700	25	FWP-90B			
		100	540	3500	27	FWP-100B			
		125	1800	7300	28	FWP-125A			
		150	2900	11700	32	FWP-150A			
		175	4200	16700	35	FWP-175A			
		200	5500	22000	43	FWP-200A			
		225	7700	31300	45	FWP-225A			
		250	10500	42500	48	FWP-250A			
		300	17600	71200	58	FWP-300A			
		350	23700	95600	65	FWP-350A	1	1.17	361
		400	31000	125000	78	FWP-400A			
		450	36400	137000	94	FWP-450A			
	500	45200	170000	107	FWP-500A				
	600	66700	250000	122	FWP-600A				
	700	54000	300000	125	FWP-700A				
	800	78000	450000	140	FWP-800A	1	2.39	35785308	
	900	91500	530000	150	FWP-900A				
	1000	120000	600000	170	FWP-1000A				
	1200	195000	1100000	190	FWP-1200A				
							1.21	Fig. 2	
							6.60	Fig. 3	

- Interrupting rating 200kA RMS Symmetrical.
  - Watts loss provided at rated current.
  - (700 Vdc/Interrupting rating 50kA) U.L. Recognition & CSA Component Acceptance on 5 through 100 & 700 through 800 amperes.
  - (700 Vdc/Interrupting rating 10kA) U.L. Recognition & CSA Component Acceptance on 125 through 600 amperes.
- 1 kg = 2.2 lbs 1 lb = 0.45 kg

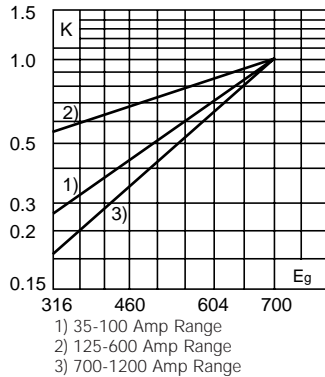
# FWP 700V 5-1200A



## Electrical Characteristics

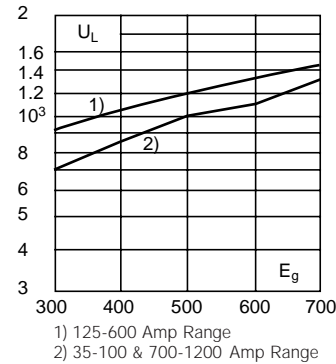
### Total Clearing I<sup>2</sup>t

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 I<sup>2</sup>t is found by multiplying by correction factor, K, given as a function of applied working voltage, E<sub>g</sub>, (RMS).



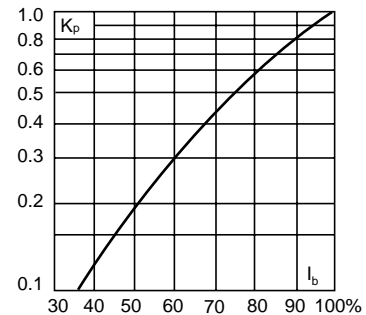
### Arc Voltage

This curve gives the peak arc voltage, U<sub>L</sub>, which may appear across the fuse during its operation as a function of the applied working voltage, E<sub>g</sub>, (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<sub>p</sub>, is given as a function of the RMS load current, I<sub>b</sub>, in % of the rated current.



## Dimensions

Fig. 1: 5-800 Amp Range

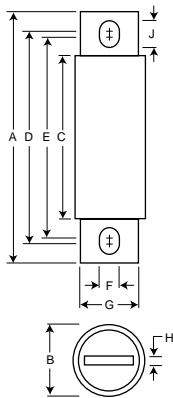


Fig. 2: 900-1000 Amp Range

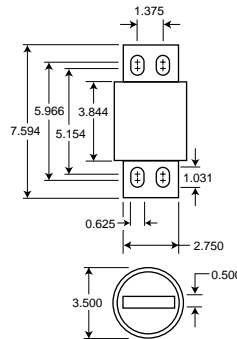
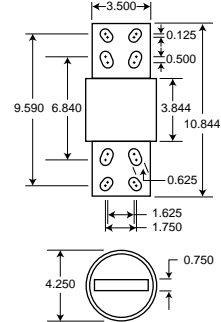


Fig. 3: 1200 Amp Range



Order #	Fig.	A	B	C	D	E	F	G	H	J
FWP-5B-30B	1	2.870	0.563	1.855	2.477	2.477	0.250	0.405	0.063	0.250
FWP-35B-60B	1	4.375	0.813	2.750	3.708	3.312	0.344	0.725	0.125	0.542
FWP-70B-100B	1	4.406	0.947	2.594	3.625	3.563	0.344	0.750	0.125	0.375
FWP-125A-200A	1	5.090	1.500	2.840	4.190	3.500	0.410	1.000	0.250	0.750
FWP-225A-400A	1	5.090	2.000	2.840	4.280	3.530	0.410	1.500	0.250	0.780
FWP-450A-600A	1	7.090	2.500	2.840	5.720	4.190	0.530	2.000	0.380	1.300
FWP-700A-800A	1	6.630	2.000	2.844	5.562	5.062	0.625	1.500	0.250	0.875
FWP-900A-1000A	2	See Drawing								
FWP-1200A	3	See Drawing								

Dimension in inches.  
1mm = 0.0394" 1" = 25.4mm

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