

FWP 700V 5-1200A



Electrical Characteristics					Ordering Information			Dimensions	Curves	
Type	Rated Current RMS-Amps	I²t (A² Sec)		Watts Loss	Part Number	Carton Qty.	Carton Weight (lbs)	Figure Number	See Page or (BIF #)	
		Pre-arc	Clearing at 700V							
FWP 700V	5	1.6	10	1.5	FWP-5B	10	2.25	Fig. 1	page 24 (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		page 24 (35785308)	
	40	76	320	12	FWP-40B					
	50	135	600	12	FWP-50B					
	60	210	950	15.5	FWP-60B					
	70	305	2000	18	FWP-70B	1	0.24			page 25 (361)
	80	360	2400	21	FWP-80B					
	90	415	2700	25	FWP-90B					
	100	540	3500	27	FWP-100B		0.65			
	125	1800	7300	28	FWP-125A					
	150	2900	11700	32	FWP-150A		1.17			
	175	4200	16700	35	FWP-175A					
	200	5500	22000	43	FWP-200A					
	225	7700	31300	45	FWP-225A		2.39			
	250	10500	42500	48	FWP-250A					
	300	17600	71200	58	FWP-300A		1.21			
	350	23700	95600	65	FWP-350A					
	400	31000	125000	78	FWP-400A		6.60	Fig. 2		
	450	36400	137000	94	FWP-450A					
	500	45200	170000	107	FWP-500A			Fig. 3		
	600	66700	250000	122	FWP-600A					
	700	54000	300000	125	FWP-700A			page 24 (35785308)		
	800	78000	450000	140	FWP-800A					
	900	91500	530000	150	FWP-900A					
	1000	120000	600000	170	FWP-1000A					
	1200	195000	1100000	190	FWP-1200A					

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- 700 Vdc U.L. Recognition on 5 through 800 amperes only.
- See accessories on page 20.

1 kg = 2.2 lbs 1 lb = 0.45 kg

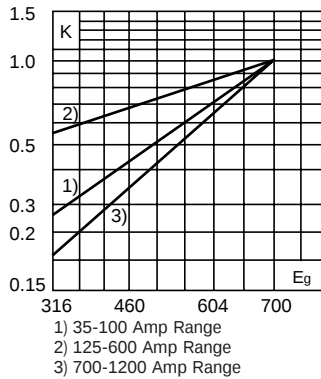


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Electrical Characteristics

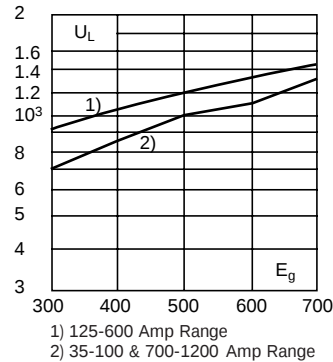
Total Clearing I^2t

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).



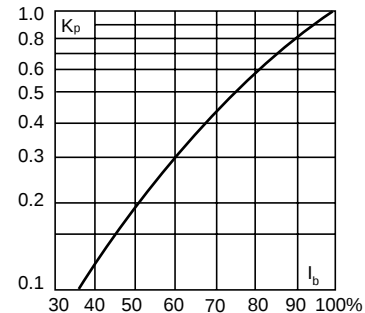
Arc Voltage

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.



Dimensions

Fig. 1: 5-800 Amp Range

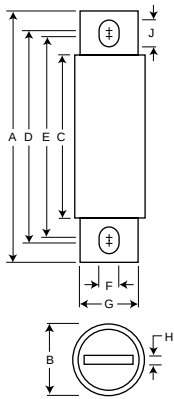


Fig. 2: 900-1000 Amp Range

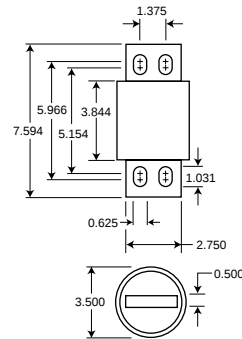
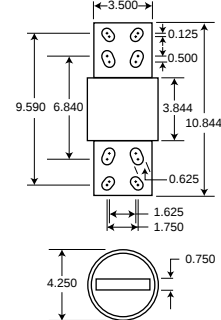


Fig. 3: 1200 Amp Range



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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