

FWH 500V 35-1600A



Type	Electrical Characteristics				Ordering Information			Dimensions	Curves		
	Rated Current RMS-Amps	I ² t (A ² Sec)		Watts Loss	Part Number	Carton Qty.	Carton Weight (lbs)	Figure Number	See Page or (BIF #)		
		Pre-arc	Clearing at 500V								
FWH 500V	35	34	150	8	FWH-35B	5	0.71	Fig. 1	page 23 (35785304)		
	40	76	320	7.5	FWH-40B						
	45	105	450	7.5	FWH-45B						
	50	135	670	7.5	FWH-50B						
	60	210	900	9.9	FWH-60B						
	70	210	900	10.6	FWH-70B	1	0.21			0.57	page 23 (360)
	80	305	1400	12.7	FWH-80B						
	90	360	1600	15	FWH-90B						
	100	475	2000	17	FWH-100B						
	125	800	3500	25	FWH-125B						
	150	1100	4600	30	FWH-150B		1.00		2.14	page 23 (35785304)	
	175	1450	6200	35	FWH-175B						
	200	1900	8500	40	FWH-200B						
	225	4600	23300	39	FWH-225A						
	250	6300	32200	41	FWH-250A						
	275	7900	40300	46	FWH-275A	4.62	11.66		Fig. 2		
	300	9800	49800	51	FWH-300A						
	325	13700	63800	53	FWH-325A						
	350	14500	72900	58	FWH-350A						
	400	19200	96700	65	FWH-400A						
450	24700	127000	74	FWH-450A	11.66	11.66	Fig. 2				
500	29200	149000	84	FWH-500A							
600	41300	206000	108	FWH-600A							
700	55000	298000	120	FWH-700A							
800	76200	409000	129	FWH-800A							
1000	92000	450000	145	FWH-1000A	11.66	11.66	Fig. 2				
1200	122000	600000	180	FWH-1200A							
1400	200000	1000000	210	FWH-1400A							
1600	290000	1400000	230	FWH-1600A							

- Interrupting rating 200kA RMS Symmetrical.
 - Watts loss provided at rated current.
 - 500 Vdc rating applies to 35 through 800 amperes only.
 - See accessories on page 20.
- †U.L. Recognition on 35 through 1200 amperes only.

1 kg = 2.2 lbs 1 lb = 0.45 kg

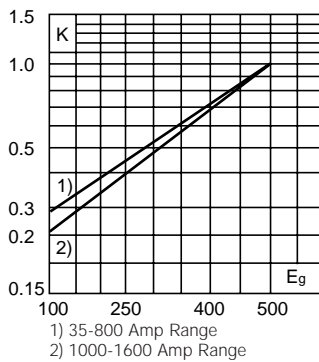


FWH 500V 35-1600A

Electrical Characteristics

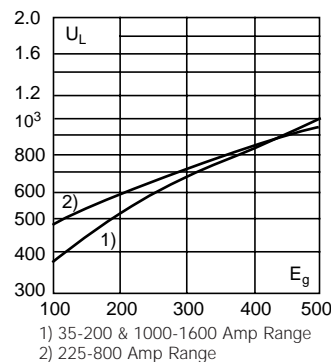
Total Clearing I²t

The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



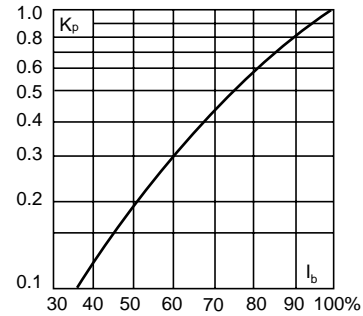
Arc Voltage

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: 35-1200 Amp Range

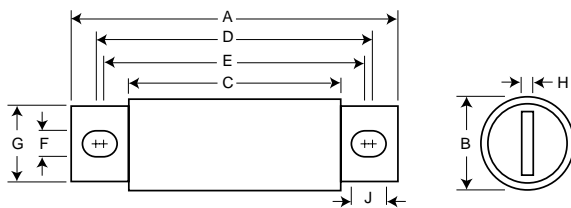
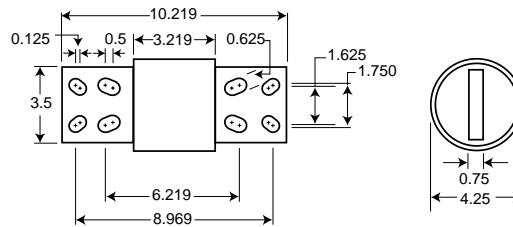


Fig. 2: 1400-1600 Amp Range



Order #	Fig.	A	B	C	D	E	F	G	H	J
FWH-35B-60B	1	3.188	0.813	1.593	2.541	2.193	0.344	0.719	0.125	0.518
FWH-70B-100B	1	3.625	0.947	1.736	2.853	2.807	0.352	0.750	0.125	0.375
FWH-125B-200B	1	3.625	1.156	1.836	2.892	2.768	0.344	1.000	0.188	0.406
FWH-225A-400A	1	4.340	1.500	2.090	3.440	2.750	0.410	1.000	0.250	0.750
FWH-450A-600A	1	4.340	2.000	2.090	3.530	2.780	0.410	1.500	0.250	0.780
FWH-700A-800A	1	6.340	2.500	2.090	4.970	3.440	0.530	2.000	0.380	1.300
FWH-1000A-1200A	1	6.969	3.000	3.219	5.465	4.475	0.625	2.375	0.438	1.120
FWH-1400A-1600A	2	See Drawing								

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

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