FWH 500V 35-1600A

Electrical Characteristics					Ordering Information			Dimensions	Curves
Type	Rated Current RMS-Amps	I^2t (A^2 Sec) Pre-arc	I^2t (A^2 Sec) Clearing at 500V	Watts Loss	Part Number	Carton Qty.	Carton Weight (lbs)	Figure Number	BIF #
FWH 500V	35	34	150	8	FWH-35B	5	0.71	Fig. 1	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		
	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		0.33		
	150	1100	4600	30	FWH-150B				
	175	1450	6200	35	FWH-175B				
	200	1900	8500	40	FWH-200B				
	225	4600	23300	39	FWH-225A		0.57		360
	250	6300	32200	41	FWH-250A				
	275	7900	40300	46	FWH-275A				
	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		1.00		
	500	29200	149000	84	FWH-500A				
	600	41300	206000	108	FWH-600A				
	700	55000	298000	120	FWH-700A		2.14		
	800	76200	409000	129	FWH-800A				
	1000	92000	450000	145	FWH-1000A		4.62		
	1200	122000	600000	180	FWH-1200A				
	1400	200000	1000000	210	FWH-1400A		11.66	Fig. 2	35785304
	1600	290000	1400000	230	FWH-1600A				

†U.L. Recognition on 35 through 1200 amperes only.
CSA Component Acceptance: 35 - 1600A.

1 kg = 2.2 lbs 1 lb = 0.45 kg

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (500 Vdc/Interrupting rating 50kA) U.L. Recognition on 35 through 800 amperes only.

FWH 500V 35-1600A

Electrical Characteristics

Total Clearing I^2t

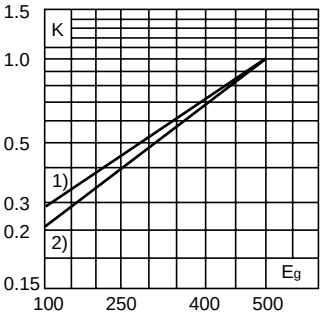
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

Arc Voltage

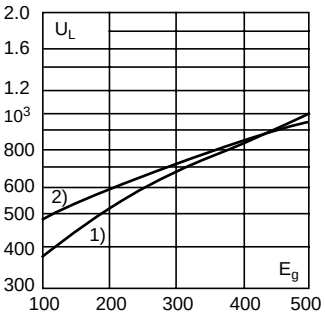
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

Power Losses

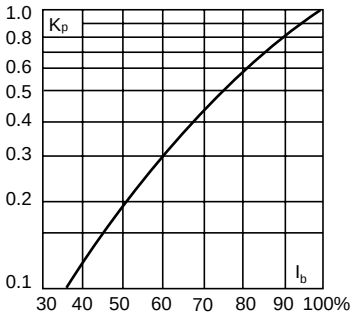
Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in % of the rated current.



1) 35-800 Amp Range
2) 1000-1600 Amp Range



1) 35-200 & 1000-1600 Amp Range
2) 225-800 Amp Range



Dimensions

Fig. 1: 35-1200 Amp Range

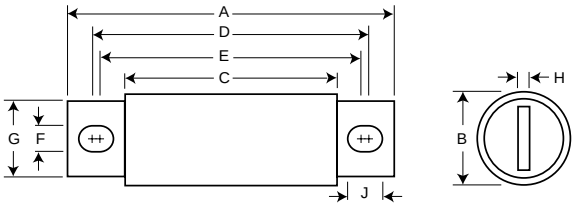
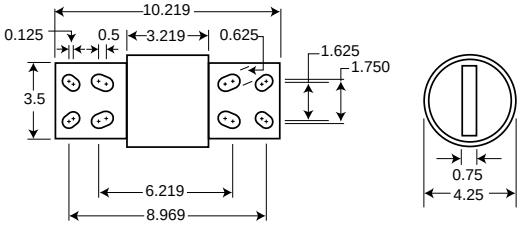


Fig. 2: 1400-1600 Amp Range



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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