FWX 250V 35-2500A

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 250V	Watts Loss	Part Number	Carton Qty.	Carton Weight (lbs)	Figure Number	BIF #
FWX 250V	35	50	230	4.2	FWX-35A	5	1.40	Fig. 1	359
	40	60	310	5.2	FWX-40A				
	45	80	390	5.7	FWX-45A				
	50	100	520	6.0	FWX-50A				
	60	140	740	8.1	FWX-60A				
	70	330	1400	7.2	FWX-70A	1	0.32		
	80	430	1850	8.1	FWX-80A				
	90	570	2450	9.0	FWX-90A				
	100	740	3150	10.0	FWX-100A				
	125	1130	4850	12.5	FWX-125A				
	150	1620	6950	15.7	FWX-150A				
	175	2170	9300	18.5	FWX-175A				
	200	2790	12000	22	FWX-200A				
	225	3210	14700	24	FWX-225A		0.52		
	250	3960	18100	27	FWX-250A				
	275	4720	21600	31	FWX-275A				
	300	6000	27300	32	FWX-300A				
	350	10600	48600	39	FWX-350A				
	400	14500	66100	44	FWX-400A				
	450	22100	101000	49	FWX-450A				
	500	28000	128000	54	FWX-500A				
	600	41100	188000	62	FWX-600A				
	700	48800	190000	72	FWX-700A		0.90		
	800	59000	230000	84	FWX-800A				
	1000	44000	360000	100	FWX-1000AH			Fig. 2	35785299
	1200	92000	750000	103	FWX-1200AH				
	1500	120000	880000	140	FWX-1500AH		2.86	Fig. 3	
	1600	160000	1200000	140	FWX-1600AH				
	2000	320000	2300000	151	FWX-2000AH				
	2500	670000	4700000	163	FWX-2500AH				

† U.L. Recognition on 35 through 800 amperes only.

1 kg = 2.2 lbs 1 lb = 0.45 kg

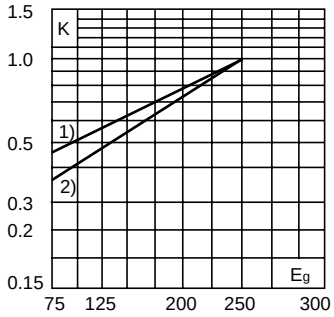
- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (250 Vdc/Interrupting rating 20kA) U.L. Recognition on 35 through 800 amperes only.

FWX 250V 35-2500A

Electrical Characteristics

Total Clearing I^2t

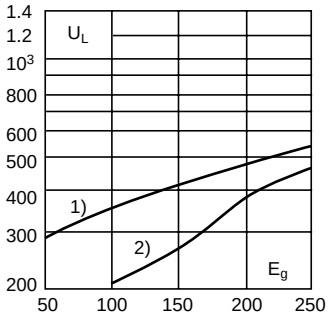
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) 35-800 Amp Range
2) 1000-2500 Amp Range

Arc Voltage

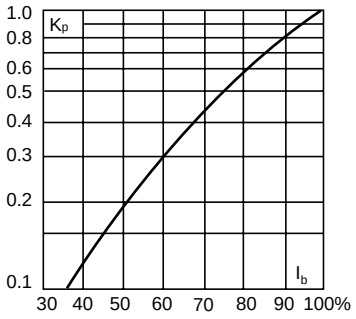
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.



1) 35-800 Amp Range
2) 1000-2500 Amp Range

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: 35-800 Amp Range

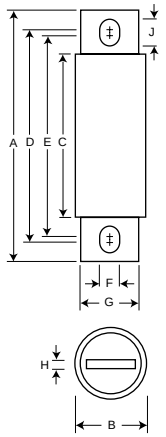


Fig. 2: 1000-1200 Amp Range

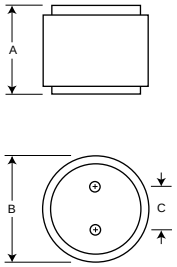
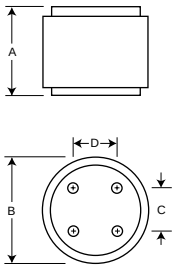


Fig. 3: 1500-2500 Amp Range



Order #	Fig.	A	B	C	D	E	F	G	H	J	Thread Depth
FWX-35A-60A	1	3.19	0.81	1.59	2.59	2.25	0.34	0.63	0.13	0.52	—
FWX-70A-200A	1	3.13	1.22	1.59	2.44	2.19	0.34	1.00	0.19	0.47	—
FWX-225A-600A	1	3.84	1.50	1.59	2.94	2.25	0.41	1.00	0.25	0.75	—
FWX-700A-800A	1	3.84	2.00	1.59	3.03	2.28	0.41	1.50	0.25	0.78	—
FWX-1000AH-1200AH	2	2.59	3.00	1.50	—	—	—	—	—	—	Tapped ⅜″-24 × ½″
FWX-1500AH-2500AH	3	2.59	3.50	1.50	1.50	—	—	—	—	—	Tapped ⅜″-24 × ½″

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

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