

FWH North American High Speed Fuses

FWH

North American style stud-mount fuses

Specifications:

- 500Vdc
- Excelling and high-speed characteristic
- Low power attenuation
- Excellent overload tolerance

Typical Applications:

- DC drives
- Inverter Protection
- Power converters / Rectifier

Rating:

Volts : 500Vac
 Amps : 35~1600A
 IR : 200,000A Sym.
 50,000A @500Vdc

Approvals:

UL Recognized
 35A~1200A (20kA Sym. IR @500Vac)
 35A~800A (50kA IR @500Vdc)
 CSA Component Acceptance
 35A~1600A (20kA Sym. IR @500Vac)
 35A~800A (50kA IR @500Vdc)
 CE



Catalog Numbers

Catalog Numbers	Electrical Characteristics			
	Rated Current RMS-Amps	I ² t (A ² Sec)		Watts Loss
		Pre-arc	Clearing at 500V	
FWH-35B	35	34	150	8
FWH-40B	40	76	320	7.5
FWH-45B	45	105	450	7.5
FWH-50B	50	135	670	7.5
FWH-60B	60	210	900	9.9
FWH-70B	70	210	900	10.6
FWH-80B	80	305	1400	12.7
FWH-90B	90	360	1600	15
FWH-100B	100	475	2000	17
FWH-125B	125	800	3500	25
FWH-150B	150	1100	4600	30
FWH-175B	175	1450	6200	35
FWH-200B	200	1900	8500	40
FWH-225A	225	4600	23300	39
FWH-250A	250	6300	32200	41
FWH-275A	275	7900	40300	46
FWH-300A	300	9800	49800	51
FWH-325A	325	13700	63800	53
FWH-350A	350	14500	72900	58
FWH-400A	400	19200	96700	65
FWH-450A	450	24700	127000	74
FWH-500A	500	29200	149000	84
FWH-600A	600	41300	206000	108
FWH-700A	700	55000	298000	120
FWH-800A	800	76200	409000	129
FWH-1000A	1000	92000	450000	145
FWH-1200A	1200	122000	600000	180
FWH-1400A	1400	200000	1000000	210
FWH-1600A	1600	290000	1400000	230

Dimensions:

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

1mm = 0.0394" / 1" = 25.4mm

Fig. 1: 35-1200A

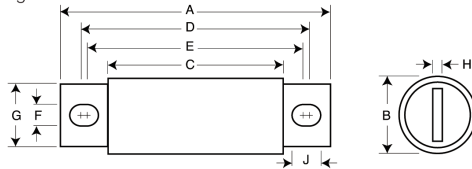
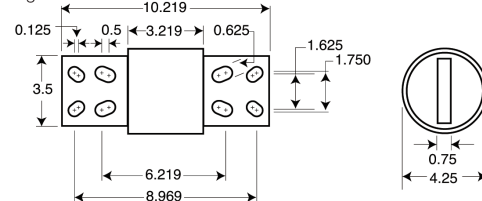
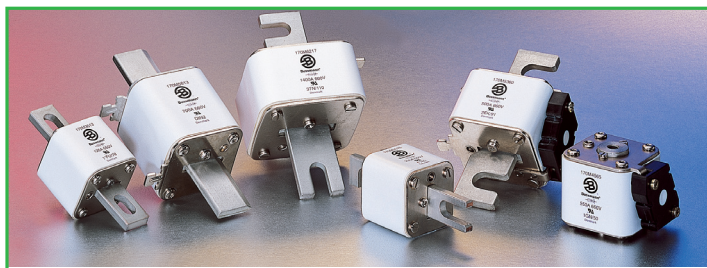


Fig. 2: 1400-1600A



HIGH SPEED FUSE

170M Square Body High Speed Fuses



Fuse Style	Volts
DIN 43 653	690/700
	1000
	1250/1300
DIN 43 620	690
	1000
Flush End Contact	690
	1000
	1250/1300
French Style	690/700
US Style	690/700
	1000
	1250/1300

It's many kinds of the square body fuse and accessories, the appropriate selection matched to the usage can be done.

Characteristic and usage:

- Low I²t value
- Low Operating temperature
- Low power attenuation

According to the above-mentioned characteristic, It is suitable for the application of the high-power with the superior performance compactly.

Applicable standard : IEC 60269: Part 4

Approvals : UL Recognized