

## FWH — North American

500 Vac/dc (UL), 35 to 1600 A

North American style bolted tags high speed fuses, for the protection of DC common bus, power converters/rectifiers and reduced rated voltage starters.

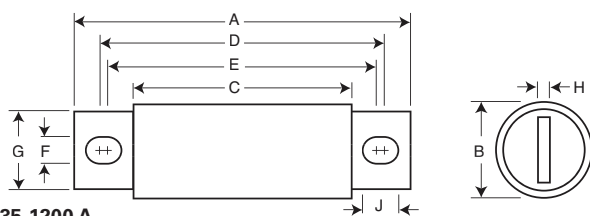
### Ratings

- Volts
  - 500 Vac (UL)
  - 500 Vdc (35-800 A only)
- Amps 35-1600 A
- IR
  - 200 kA RMS Sym.
  - 50 kA at 500 Vdc

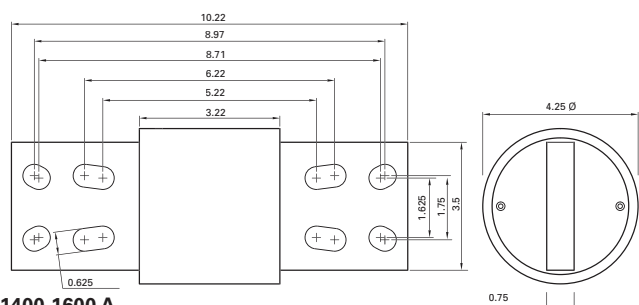
### Agency information

- UL Recognized, JFHR2, E91958, FWH-B (35-200 A) and FWH-A (1000 and 1200 A), JFHR2, E56412 FWH-A (225-800 A)
- CSA Class 1422-30, File 53787 (35-1600 A)
- CE

### Dimensions — in



35-1200 A



1400-1600 A

Amp range	A	B	C	D	E	F	G	H	J
35-60	3.19	0.81	1.59	2.54	2.19	0.34	0.72	0.13	0.52
70-100	3.62	0.95	1.74	2.85	2.81	0.35	0.75	0.13	0.38
125-200	3.62	1.16	1.84	2.89	2.77	0.34	1.00	0.19	0.41
225-400	4.34	1.50	2.09	3.44	2.75	0.41	1.00	0.25	0.75
450-600	4.34	2.00	2.09	3.53	2.78	0.41	1.50	0.25	0.78
700-800	6.34	2.50	2.09	4.97	3.44	0.53	2.00	0.38	1.30
1000-1200	6.97	3.00	3.22	5.47	4.48	0.62	2.38	0.44	1.12
1400-1600	Refer to drawing								

1" = 25.4mm



Rated voltage	Rated current (amps)	I²t (A²s)		Watts loss (W)†	Catalog no.
		Pre-arcing	Clearing at 250 Vac		
500 Vac/dc (UL)	35	34	150	8.0	FWH-35B
	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
	80	305	1400	12.7	FWH-80B
	90	360	1600	15.0	FWH-90B
	100	475	2000	17.0	FWH-100B
	125	800	3500	25.0	FWH-125B
500 Vac/dc (UL)	150	1100	4600	30.0	FWH-150B
	175	1450	6200	35.0	FWH-175B
	200	1900	8500	40.0	FWH-200B
	225	4600	23,300	39.0	FWH-225A
	250	6300	32,200	41.0	FWH-250A
	275	7900	40,300	46.0	FWH-275A
	300	9800	49,800	51.0	FWH-300A
	325	13,700	63,800	53.0	FWH-325A
	350	14,500	72,900	58.0	FWH-350A
	400	19,200	96,700	65.0	FWH-400A
500 Vac (UL)	450	24,700	127,000	74.0	FWH-450A
	500	29,200	149,000	84.0	FWH-500A
	600	41,300	206,000	108.0	FWH-600A
	700	55,000	298,000	120.0	FWH-700A
	800	76,200	409,000	129.0	FWH-800A
	1000	92,000	450,000	145.0	FWH-1000A
	1200	122,000	600,000	180.0	FWH-1200A
	1400	200,000	1,000,000	210.0	FWH-1400A
	1600	290,000	1,400,000	230.0	FWH-1600A

† Watts loss at rated current.

For details on electrical characteristics, contact Application Engineering and ask for data sheets: 720007, 360 (225-800 A), 5785304 (35-200 A, 1000-1600 A)

## FWH Ferrule

## 500 Vac (UL), 6x32mm, 0.25 to 30 A

Ferrule style high speed fuses for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

## Ratings

- Volts
  - 500 Vac (UL — 0.25-1 A and 3.15-30 A)
  - 1000 Vac (UL — 2 A)
  - 600 Vdc (UL — 1-5 A)
- Amps 0.25-30 A
- IR
  - 50 kA AC (0.25-1 A and 3.15-20 A)
  - 30 kA AC (2 A)
  - 20 kA AC (25-30 A)<sup>1</sup>
  - 50 kA DC (1-5 A)

<sup>1</sup> Tested at PF = 76%.

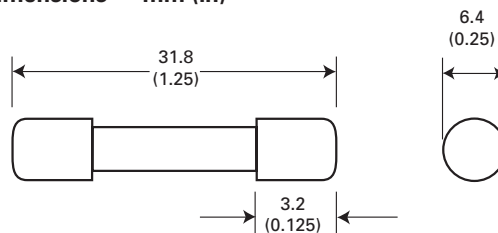
## Operating class aR

## Agency information

- UL Recognized, JFHR2, E91958 (0.25-7 A) and JDYX2, E19180 (10-30 A)
- CSA Component Acceptance Class 1422-30, 1422-90 (53787) 0.25-7 A
- RoHS compliant
- CE



Dimensions — mm (in)



## Opening times

Amp range	150%	200%	300%	Min IR
0.25-7	>30 min	>30 min	≤ 10 sec	300 %
10-30				200 %

Amps	Rated voltage		I <sup>2</sup> t (A <sup>2</sup> s)		Watts loss (W)†	Catalog no.	
	Vac	Vdc	Pre-arcing	Clearing @ 500Vac		Standard	RoHS compliant
0.25	500	—	0.01	0.05	2.7	—	FWH-.250A6F
0.5			0.05	0.25	1.2		FWH-.500A6F
1			0.4	2	1.7		FWH-001A6F
2			1.3	3.5	3.2		FWH-002A6F
3.15	1000	600	3.1	7.7	2.9		FWH-3.15A6F
4			—	—	—		FWH-004A6F
5			15	40	2.1		FWH-005A6F
6.3			36	90	2.3		FWH-6.30A6F
7	500	—	50	125	2.5	FWH5-010A6F	FWH-007A6F
10			9.9	139	2.86		FWH5-010A6FR
12.5			20	60	3.53		FWH5-12-5A6FR
15			44	146	3.08		FWH5-015A6FR
16			48	177	4.48		FWH5-016A6FR
20			75	259	4.26		FWH5-020A6FR
25			126	345	—		FWH-025A6FR
30			145	430	—		FWH-030A6FR

† Watts loss at rated current.