

FWA - 150 V a.c. / V d.c. (UL), 70 A to 1000 A

Specifications

Description

North American style bolted tag high speed fuse links used for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

Technical Data

- Rated voltage:
 - 150 V a.c. / V d.c. (UL)
 - 80 V d.c. 1000 A only
- Rated current: 70 A to 1000 A
- Breaking capacity:
 - 100 kA RMS Sym. (70 A to 400 A) at 150 V a.c.
 - 200 kA RMS Sym. (500 A to 1000 A) at 150 V a.c.
 - 20 kA at 150 V a.c. / V d.c. (70 A to 800 A)
 - 100 kA at 80 V d.c. (70 A to 1000 A)

Standards / Agency information

CE, UL Recognised JFHR2.E91958

Catalogue numbers

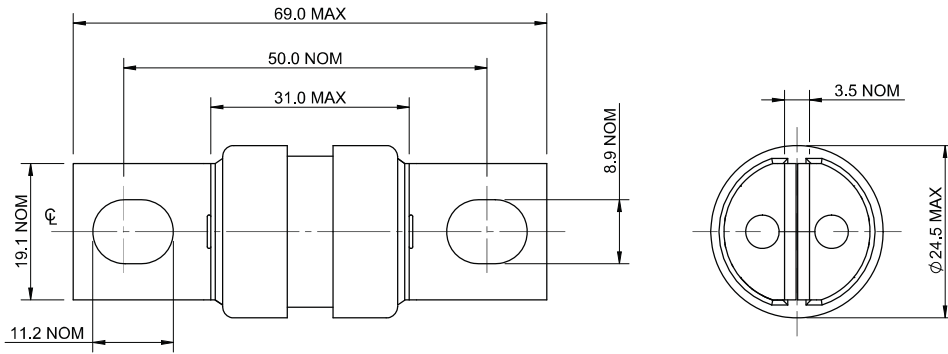
Rated voltage / Breaking capacity	Rated current (Amps)	I ² t (A ² Sec)		Watts loss (W)	Catalogue numbers
		Pre-arcing	Clearing at 150 V a.c.		
150 V a.c. / 100 kA	70	470	4000	6.9	FWA-70B
	80	670	6000	7.7	FWA-80B
	100	1200	12,000	9	FWA-100B
	125	1870	18,000	11.2	FWA-125B
	150	2700	26,000	13.5	FWA-150B
80 V d.c. / 100 kA	200	4780	45,000	17.6	FWA-200B
	150 V d.c. / 20 kA	250	7470	70,000	22.5
150 V d.c. / 20 kA	300	10,760	100,000	27	FWA-300B
	350	15,700	140,000	30.6	FWA-350B
	400	20,300	180,000	35.2	FWA-400B
	150 V a.c. / 200 kA	500	39,000	120,000	35
80 V d.c. / 100 kA	600	46,000	140,000	47	FWA-600A
	700	75,000	220,000	49	FWA-700A
150 V d.c. / 20 kA	800	92,000	280,000	58	FWA-800A
150 V a.c. / 200 kA	1000	170,000	510,000	60	FWA-1000A
80 V d.c. / 100 kA					



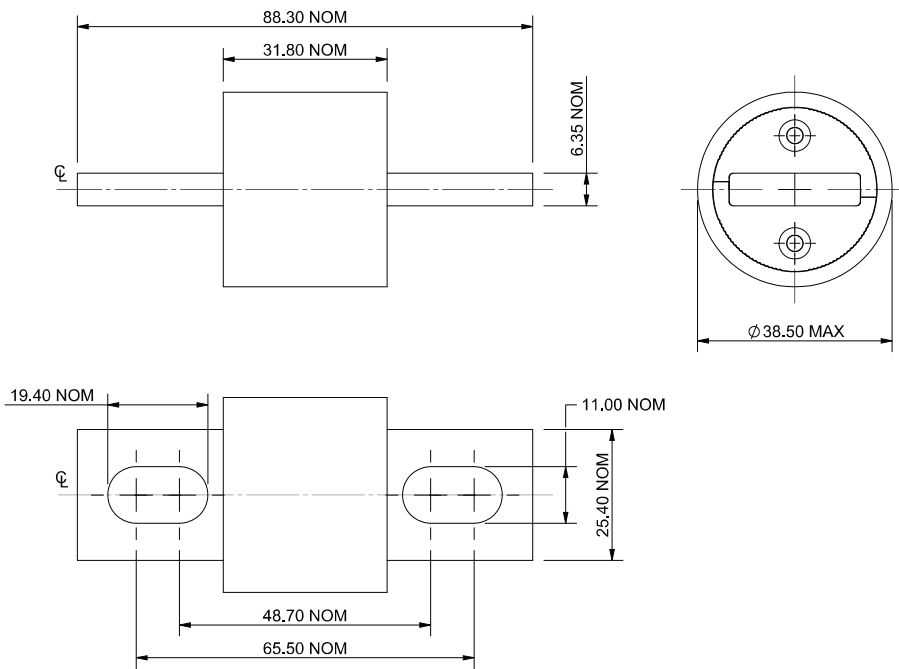
North American fuse links

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Dimensions (mm) - 70 A to 400 A

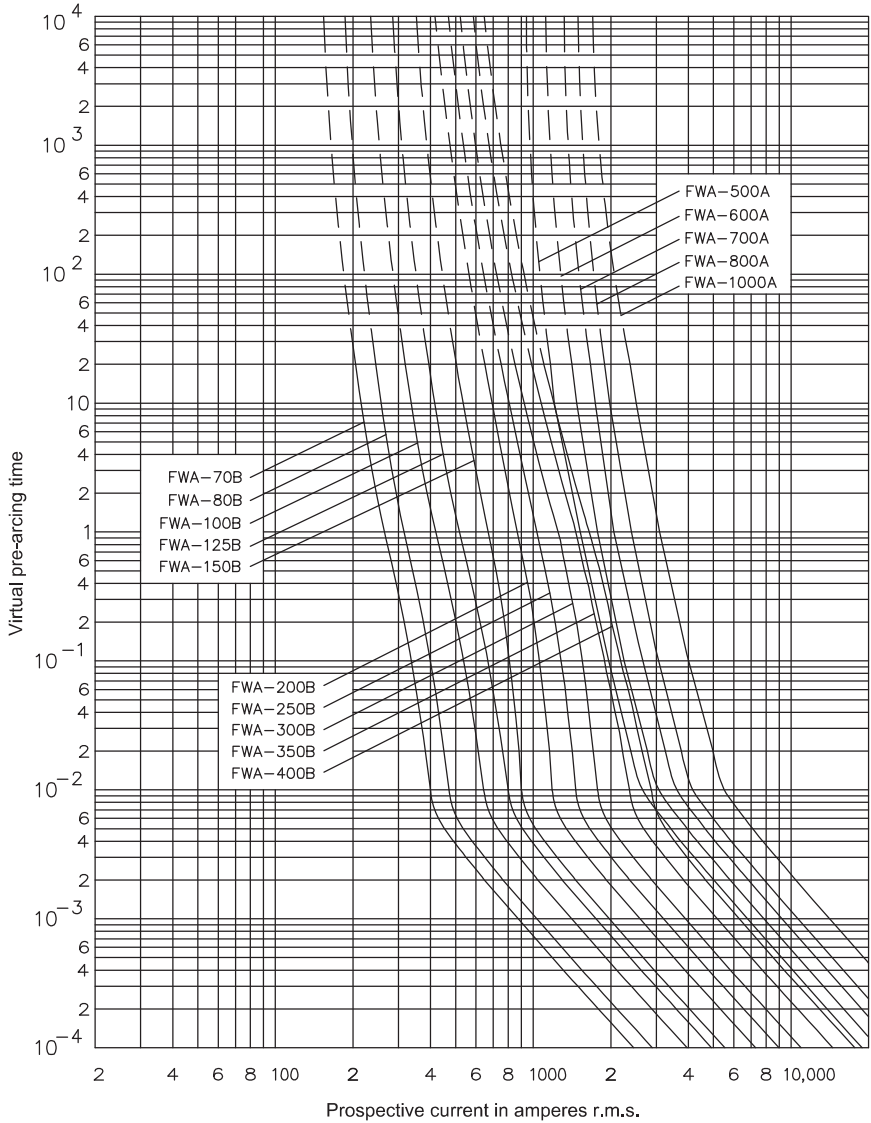


Dimensions (mm) - 500 A to 1000 A



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Time-current curve - 70 A to 1000 A

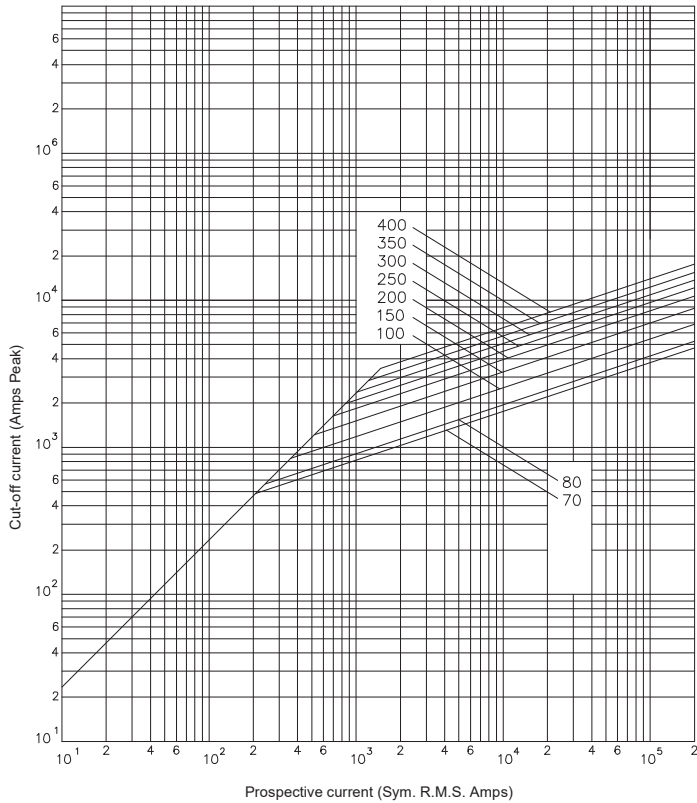


Data sheets: 720002, 5785310

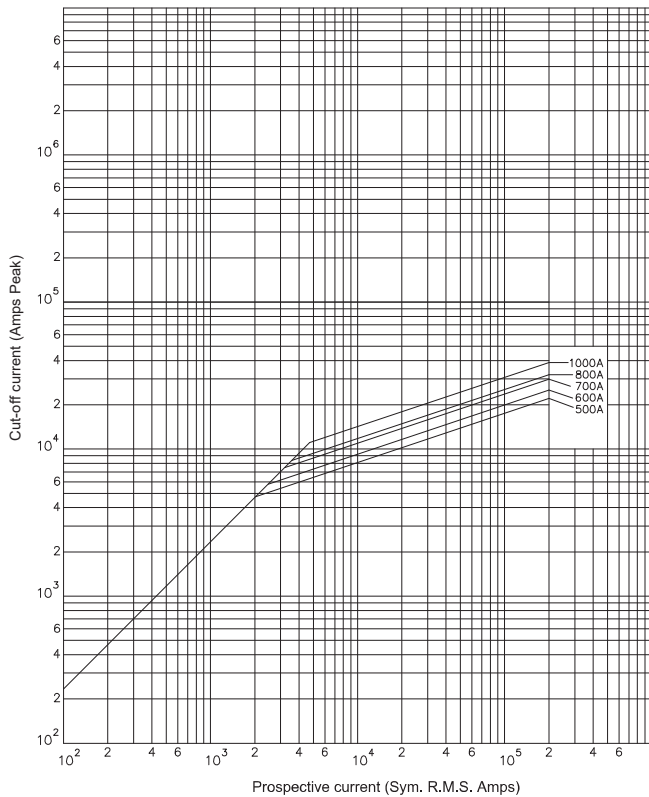
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Cut-off curve - 70 A to 400 A

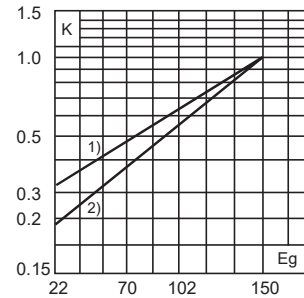


Cut-off curve - 500 A to 1000 A



Total clearing I²t

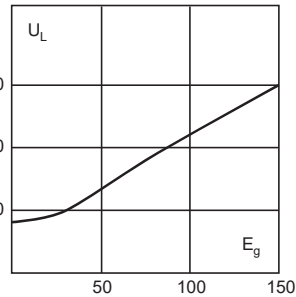
The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



- 1) 500 - 1000 A
- 2) 70 - 400 A

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 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts 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 percent of the rated current.

