

FWP - 14 x 51 mm, 690 V a.c. (IEC), 700 V a.c. (UL), Up to 800 V d.c. (UL), 1 A to 50 A

Specifications

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with or without striker.

Technical data

- Rated voltage:
 - Without striker: see table
 - With striker: 700 V a.c. / 600 V d.c. (UL)
- Rated current: 1 A to 50 A
- Breaking capacity:
 - 200 kA RMS Sym.
 - 50 kA at 800 V d.c. (5 A to 50 A non striker version)
 - 600 V d.c. for striker version
- Operating class: aR

Compatible modular fuse holder

- CH14 see page 385

Standards / Agency information

CE, UL recognised & CSA component acceptance for versions without striker only, CCC certified 5 A to 50 A



Catalogue numbers

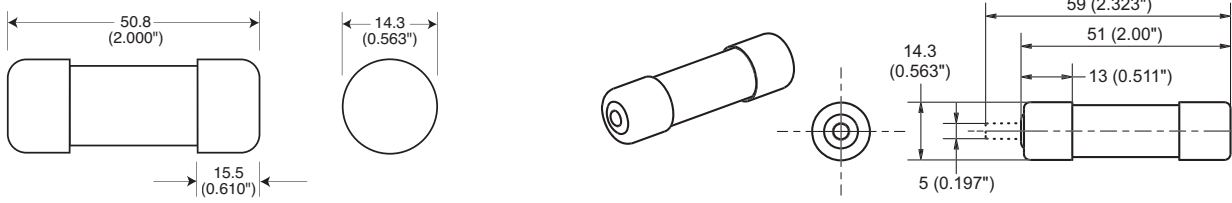
Fuse link type	Fuse link size	Rated voltage	Rated current (Amps)	I ² t (A ² Sec)		Watts loss (W)	Catalogue numbers	
				Pre-arcing	Clearing at 700 V a.c.			
Without striker	14 x 51 mm (9/16" x 2")	700 V a.c. (UL)	1	0.04	0.41	5.7	FWP-1A14F	
			2	0.08	0.11	8.7	FWP-2A14F	
			3	0.11	0.26	2.8	FWP-3A14F	
			4	0.1	0.23	3	FWP-4A14F	
		700 V a.c. / 800 V d.c. (UL) 690 V a.c. (IEC)	5	2	11	1.5	FWP-5A14F	
			6	2	11	1.5	FWP-6A14F	
			10	4	22	4	FWP-10A14F	
			15	10	70	5.5	FWP-15A14F	
			20	26	180	6.5	FWP-20A14F	
			25	49	320	7	FWP-25A14F	
			30	58	400	9	FWP-30A14F	
			700 V a.c./800 V d.c. Resistive (UL)	32	68	600	8	FWP-32A14F
				40	84	750	8	FWP-40A14F
				50	200	1800	9	FWP-50A14F
			With striker	14 x 51 mm (9/16" x 2")	700 V a.c. / 600 V d.c. (UL)	10	4	32
15	7	63				4	FWP-15A14FI	
20	26	234				4	FWP-20A14FI	
25	42	378				4	FWP-25A14FI	
30	52	468				6	FWP-30A14FI	
32	68	600				8	FWP-32A14FI	
40	84	750				8	FWP-40A14FI	
50	200	1800				9	FWP-50A14FI	
63	390	2516				10	FWP-63A14FI	

Data sheets: 720025, 5781724 fuses without striker; 5785566 fuses with striker, 5785626 (63 A)

Ferrule fuse links

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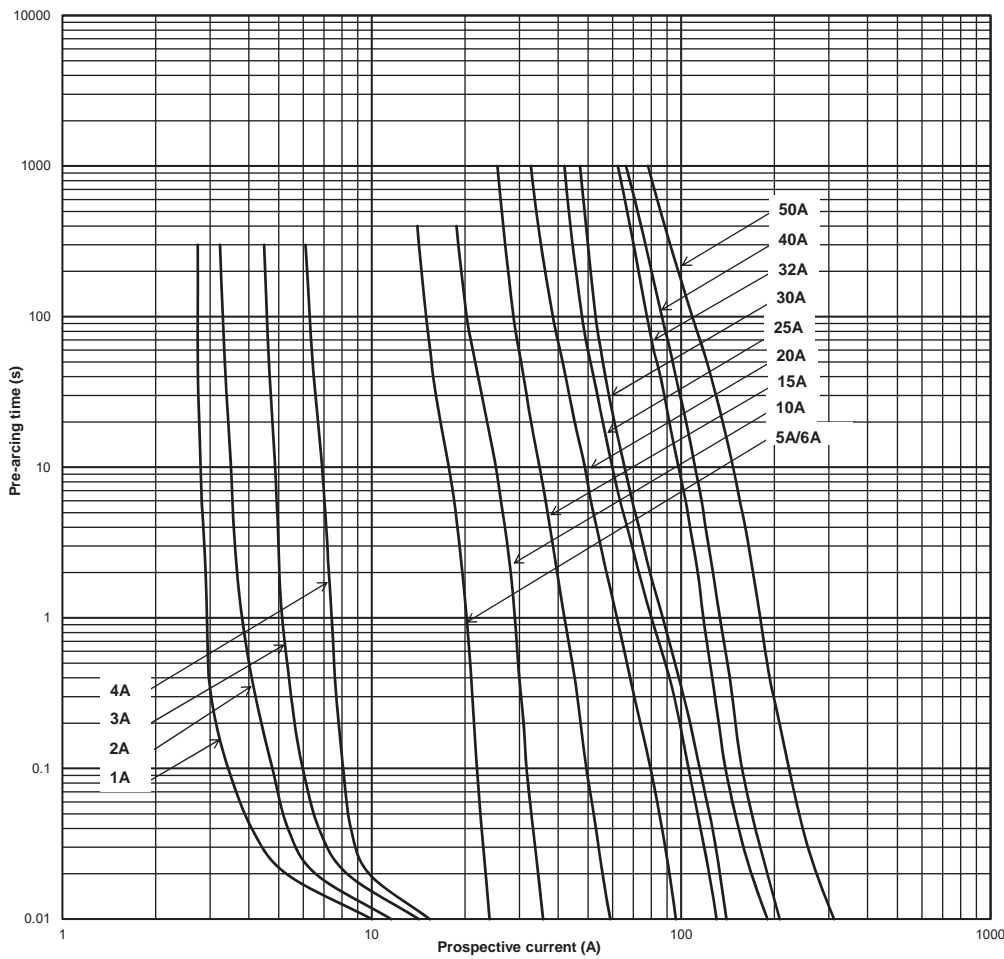
Dimensions - mm (in)



Without striker

With striker

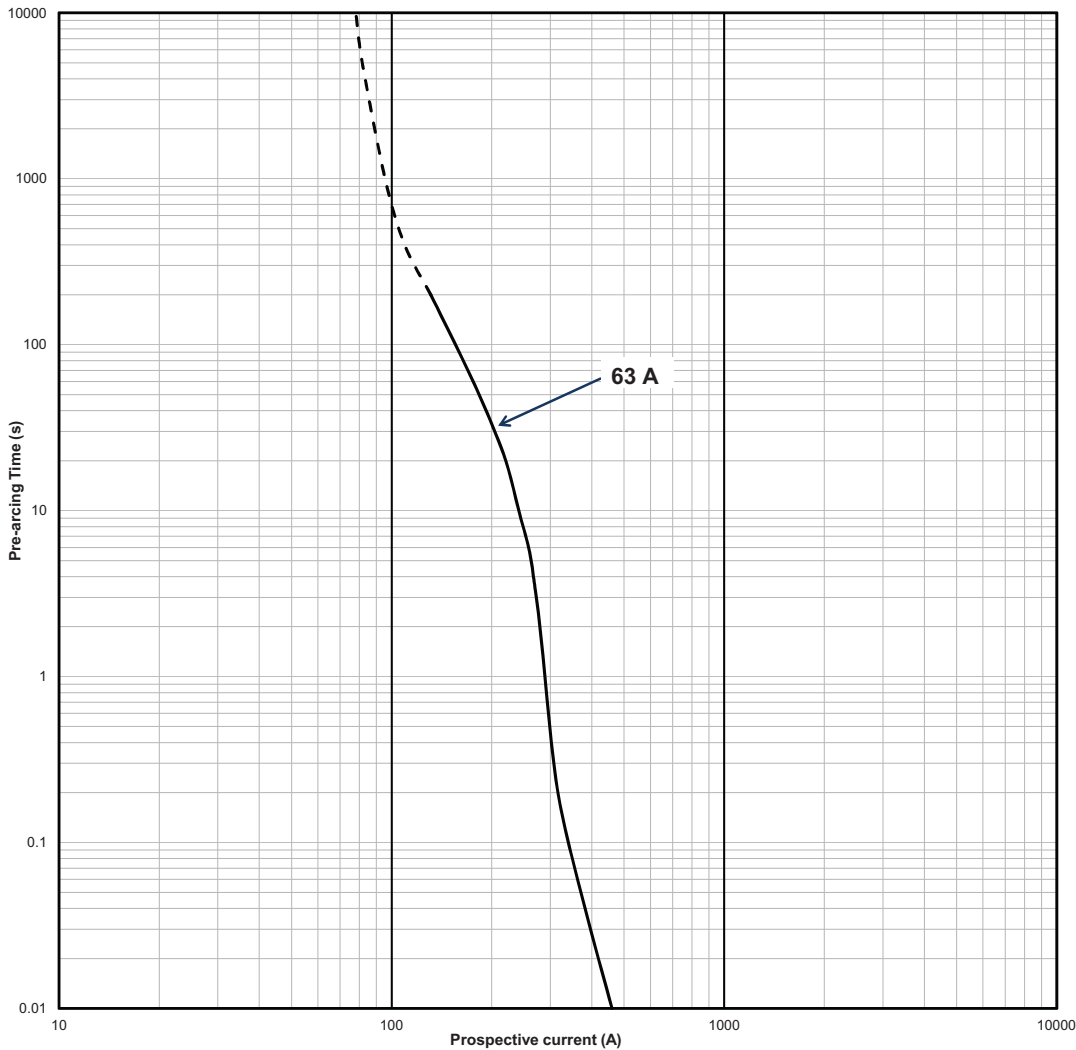
Time-current curve - 1 A to 50 A



Data sheets: 720025, 5781724 fuses without striker; 5785566 fuses with striker, 5785626 (63 A)

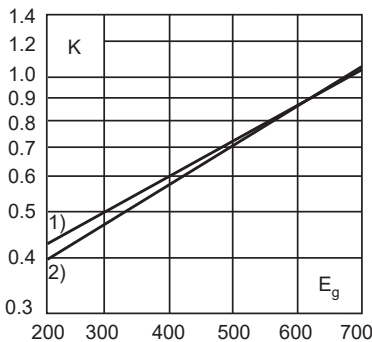
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Time-current curve - 63 A



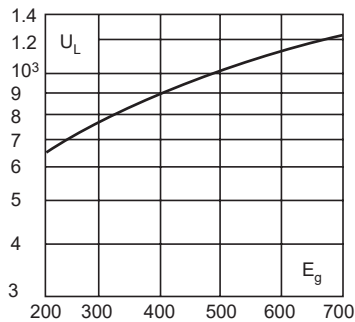
Total clearing I²t

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).



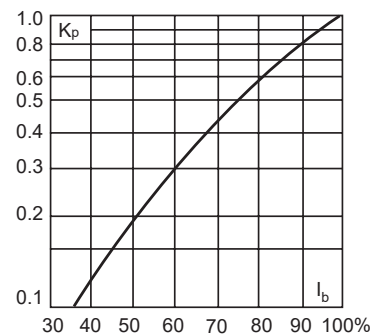
Arc voltage

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.



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