

FWP - 14 x 51 mm, gR, 690 V a.c. (IEC), 4 A to 50 A

Specifications

Description

The 14 x 51 mm cylindrical, class gR fuse links are used to protect AC/DC Drives and semi-conductors.

Technical data

- Rated voltage: 690 V a.c. (IEC)
- Rated current: 4 A to 50 A
- Breaking capacity: 200 kA a.c.
- Operating class: gR

Compatible modular fuse holder

- CH14 see page 385

Standards / Agency information

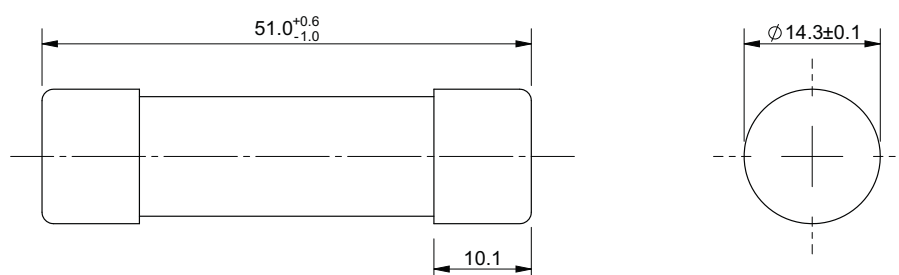
IEC 60269-4, UL 248-13



Catalogue numbers

Fuse link size	Type	Rated voltage	Rated current (Amps)	I ² t (A ² Sec)		Watts loss (W)	Catalogue numbers
				Pre-arcing	Clearing at 690 V a.c.		
14 x 51 mm	Without striker	690 V a.c. (IEC)	4	5.6	17	2.94	FWP-4G14F
			6	16	48	4.2	FWP-6G14F
			8	3.8	30	2	FWP-8G14F
			10	5.9	47	2.52	FWP-10G14F
			12	8.4	68	3.54	FWP-12G14F
			16	15	120	4.83	FWP-16G14F
			20	27	170	5.4	FWP-20G14F
			25	53	333	6	FWP-25G14F
			32	108	679	6.93	FWP-32G14F
			40	211	1331	7.52	FWP-40G14F
	With striker	690 V a.c. (IEC)	8	3.8	30	2	FWP-8G14FI
			10	5.9	47	2.52	FWP-10G14FI
			12	8.4	68	3.54	FWP-12G14FI
			16	15	120	4.83	FWP-16G14FI
			20	27	170	5.4	FWP-20G14FI
			25	53	333	6	FWP-25G14FI
			32	108	679	6.93	FWP-32G14FI
			40	211	1331	7.52	FWP-40G14FI
			50	350	2200	9.8	FWP-50G14FI

Dimensions (mm)

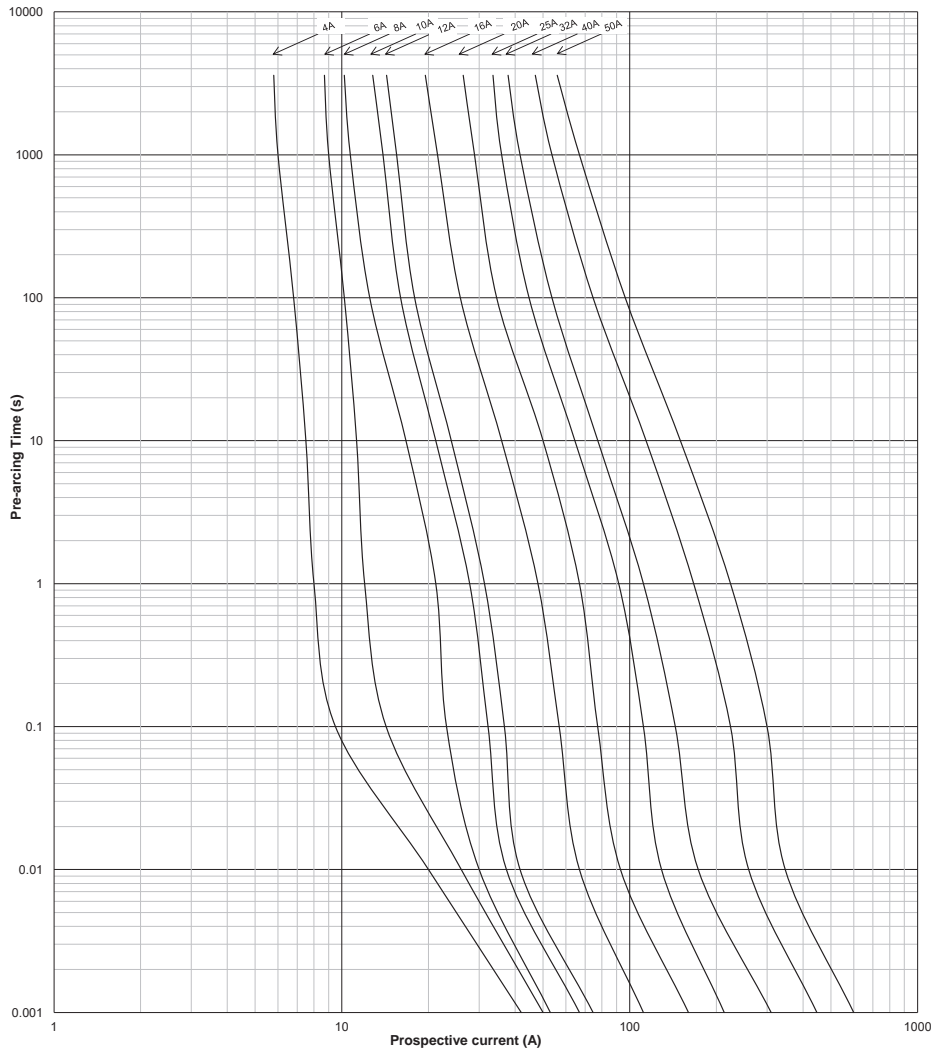


Data sheet: 10468

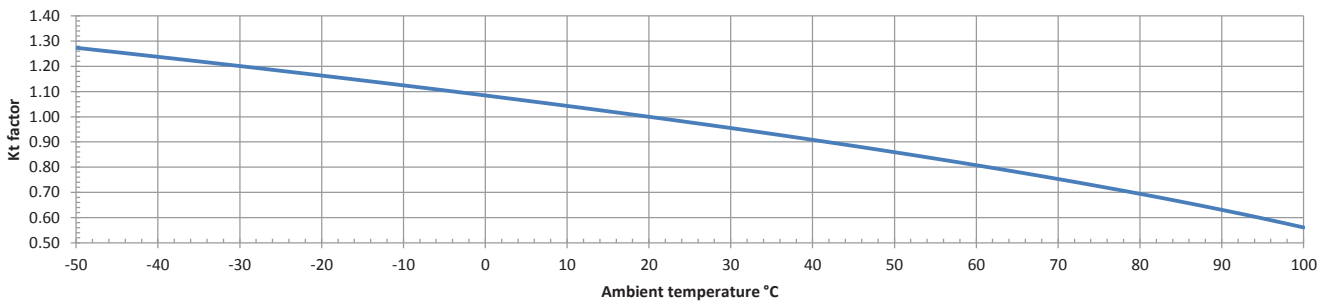
Ferrule fuse links

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Time-current curve - 4 A to 50 A

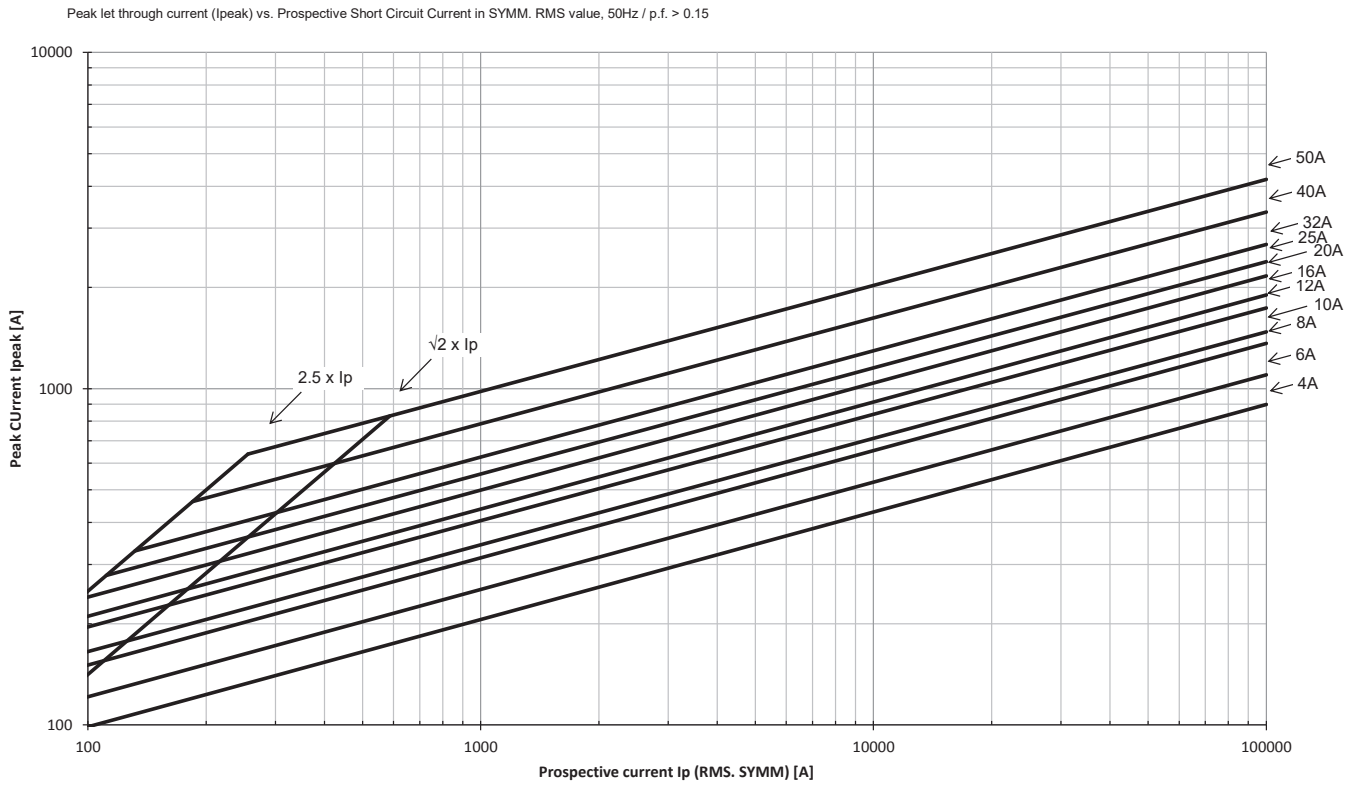


Ambient temperature



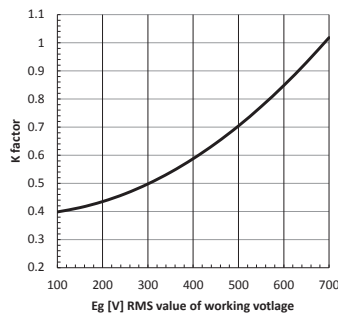
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Cut-off curve - 4 A to 50 A



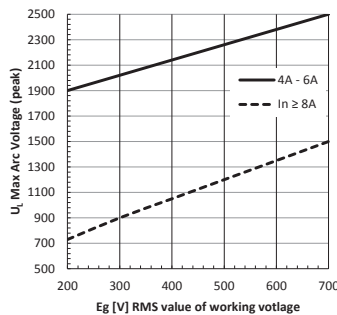
Total clearing I²t

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.

