

Ferrule fuse links

FWP - 10 x 38 mm, gR, 690 V a.c. (IEC), 4 A to 32 A

Specifications

Description

The 10 x 38 mm cylindrical, class gR fuse links are used to protect AC/DC Drives and semi-conductors.

Technical data

- Rated voltage: see details in table below
- Rated current: 4 A to 32 A
- Breaking capacity: 200 kA a.c.
- Operating class: gR

Compatible fuse holder

CHM see page 383

Standards / Agency information

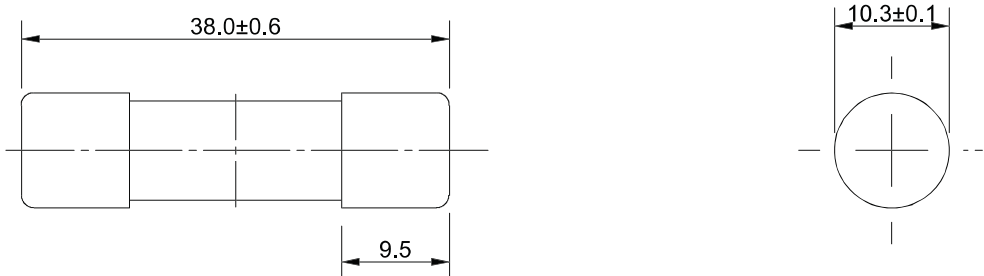
IEC 60269-4, UL 248-13



Catalogue numbers

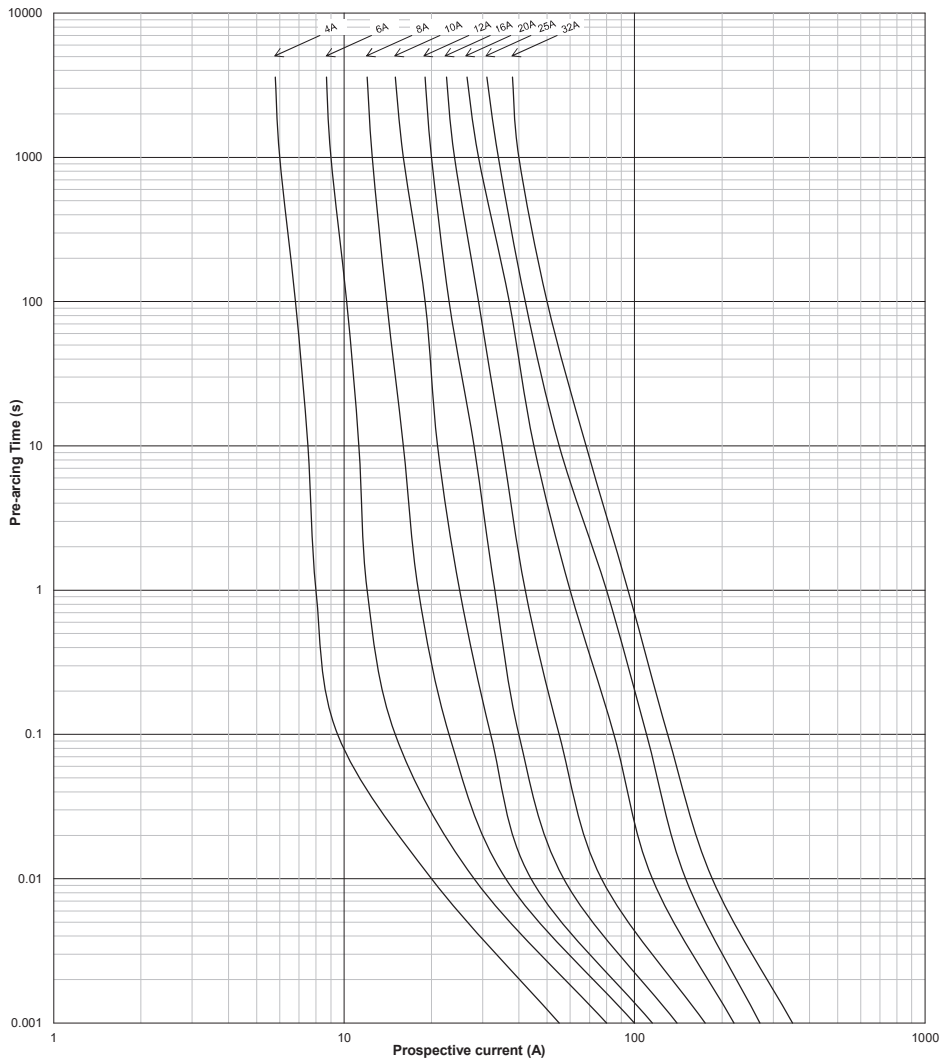
Fuse link size	Type	Rated voltage	Rated current (Amps)	I ² t (A ² Sec)			Catalogue numbers
				Pre-arcing	Clearing at 690 V a.c.	Watts loss (W)	
10 x 38 mm	Without indicator	690 V a.c. (IEC)	4	5.6	17	2.05	FWP-4G10F
		500 V d.c.. (UL)	6	16	48	3	FWP-6G10F
			8	4.3	38	1.68	FWP-8G10F
		690 V a.c. (IEC)	10	6.6	59	2.09	FWP-10G10F
			12	9.6	84	2.99	FWP-12G10F
			16	17	150	4.27	FWP-16G10F
			20	23.5	200	5.35	FWP-20G10F
			25	60.2	512	5.52	FWP-25G10F
			32	94	800	7.43	FWP-32G10F
		700 V a.c. (UL)					

Dimensions (mm)

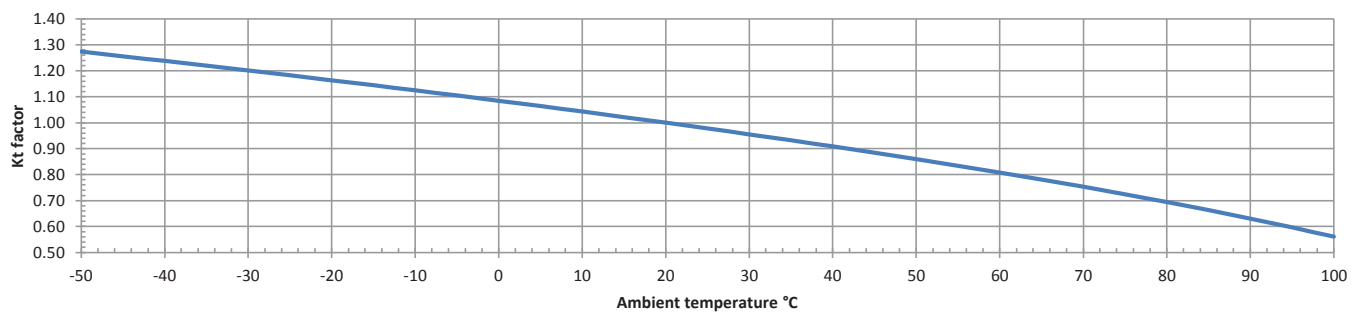


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Time-current curve - 4 A to 32 A



Ambient temperature

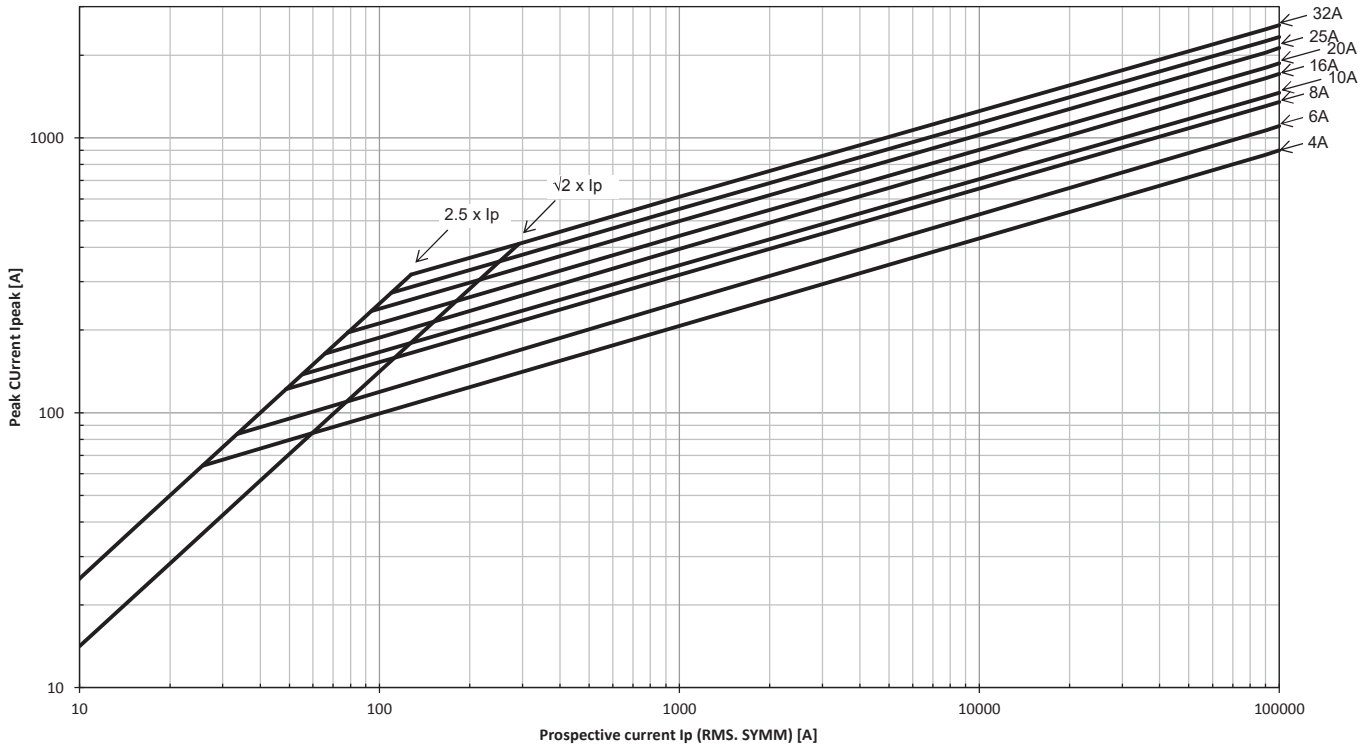


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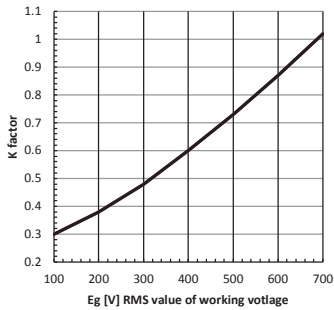
Cut-off curve- 2 A to 32 A

Peak let through current (I_{peak}) vs. Prospective Short Circuit Current in SYMM. RMS value, 50Hz / p.f. > 0.15



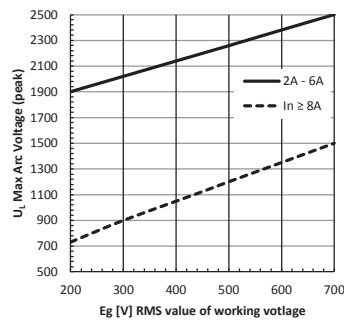
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t 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.

