

# Ferrule fuse links

## FWP - 22 x 58 mm, gR, 690 V a.c. (IEC), 20 A to 100 A

### Specifications

#### Description

The 22 x 58 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: 20 A to 100 A
- Breaking capacity: 200 kA a.c.
- Operating class: gR

#### Compatible fuse holder

- CH22 see page 387

#### Standards / Agency information

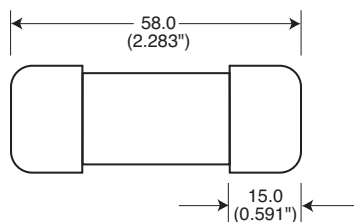
IEC 60269-4, UL 248-13



### Catalogue numbers

Fuse link size	Type	Rated voltage	Rated current (Amps)	I <sup>2</sup> t (A <sup>2</sup> Sec)		Watts loss (W)	Catalogue numbers
				Pre-arcing	Clearing at 690 V a.c.		
22 x 58 mm	Without striker	690 V a.c. (IEC)	20	24	154	6.00	FWP-20G22F
			25	43	274	6.65	FWP-25G22F
			32	97	616	9.21	FWP-32G22F
			40	180	899	8.24	FWP-40G22F
			50	273	1362	11.85	FWP-50G22F
			63	516	2575	13.80	FWP-63G22F
			80	1092	5448	14.00	FWP-80G22F
			100	2065	10,300	17.70	FWP-100G22F
	With striker	690 V a.c. (IEC)	20	24	154	6.00	FWP-20G22FI
			25	43	274	6.65	FWP-25G22FI
			32	97	616	9.21	FWP-32G22FI
			40	180	899	8.24	FWP-40G22FI
			50	273	1362	11.85	FWP-50G22FI
			63	516	2575	13.80	FWP-63G22FI
			80	1092	5448	14.00	FWP-80G22FI
			100	2065	10,300	17.70	FWP-100G22FI

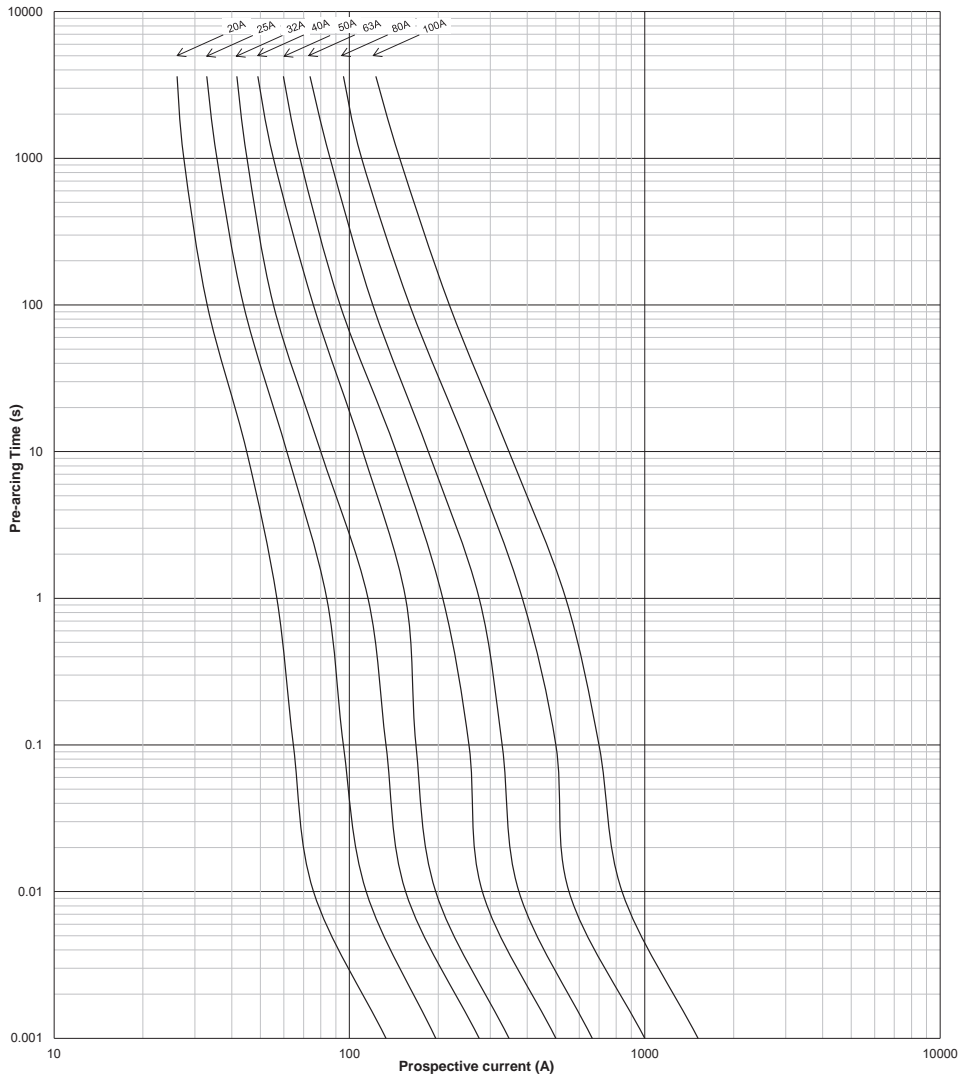
### Dimensions - mm (in)



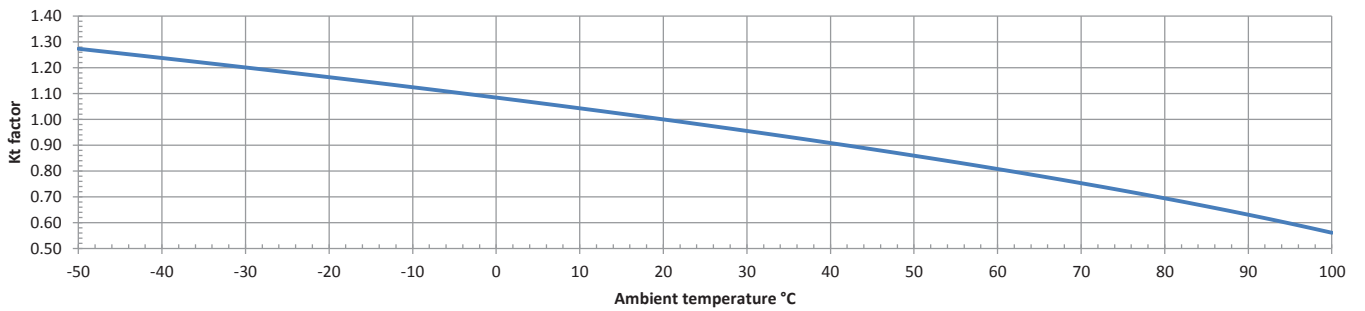
Data sheet: 10469

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**Time-current curve - 20 A to 100 A**



**Ambient temperature**



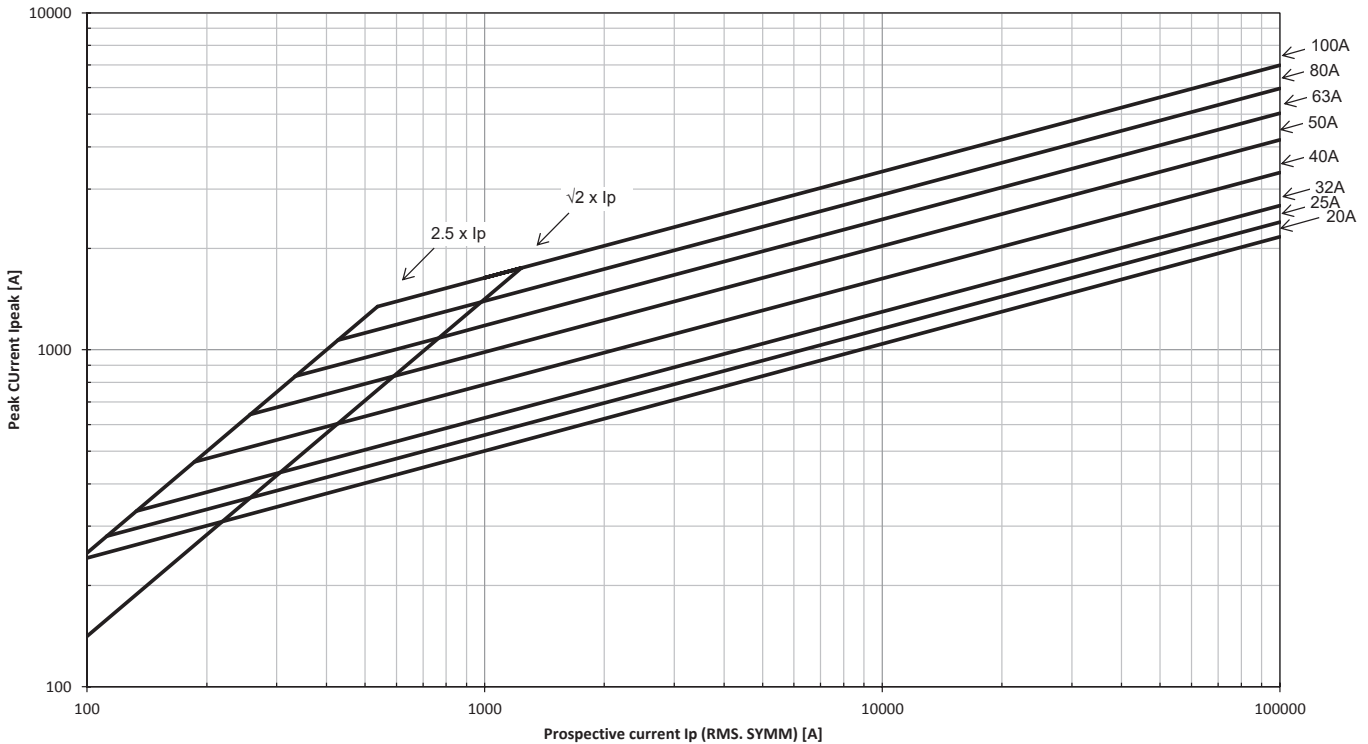
Data sheet: 10469

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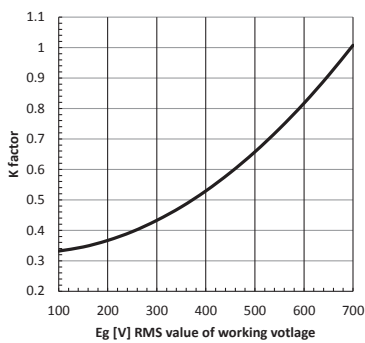
### Cut-off curve - 20 A to 100 A

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



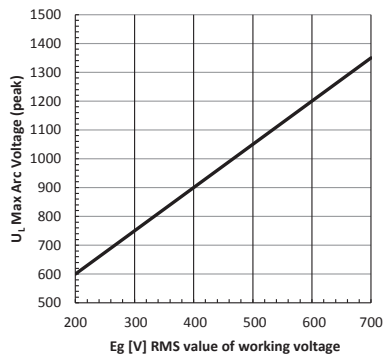
### Total clearing $I^2t$

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.

