

# FWH 14 x 51 mm Ferrule High speed fuse links



## Catalogue symbol

- FWH-(amps)A14F (1 to 30 A)

## Description

Ferrule style high speed fuse links.

## Technical data

- Rated voltage:
  - 500 V a.c. (UL, all ratings)
  - 500 V d.c. (UL, 5 -30 A only)
- Rated current: 1 - 30 A
- Breaking capacity:
  - 200 kA RMS Sym (UL, all ratings)
  - 50 kA at 500 V d.c. (UL, 5-30 A only)
- Operating class: aR

## Agency information

- CE
- UL Recognised
- CSA component acceptance file Class 1422-30 (53787) for 5 - 30 A

## Features and benefits

- Excellent cycling capability and DC performance
- Low arc voltage and low energy let-through ( $I^2t$ )
- Low watts loss in a compact size
- Used with finger-safe holders/blocks

## Typical applications

- DC common bus
- DC drives
- Power converters/rectifiers
- Reduced voltage starters

## Carton quantity

- 10 per carton

## Carton weight

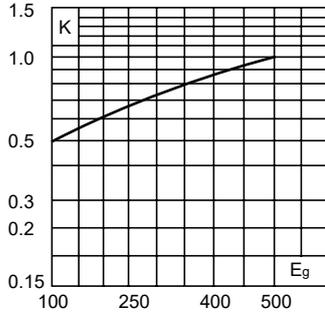
- 0.25 (kg)

Size	Catalogue numbers (amps)
14 x 51mm ( $\frac{9}{16}$ " x 2")	FWH-1A14F
	FWH-2A14F
	FWH-3A14F
	FWH-4A14F
	FWH-5A14F
	FWH-6A14F
	FWH-10A14F
	FWH-12A14F
	FWH-15A14F
	FWH-20A14F
	FWH-25A14F
	FWH-30A14F

### Electrical characteristics

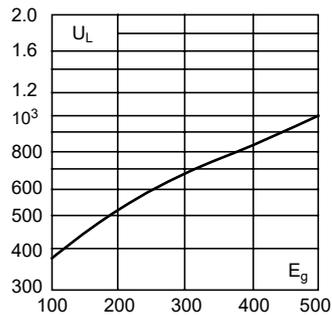
#### Total clearing I<sup>2</sup>t

The total clearing I<sup>2</sup>t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I<sup>2</sup>t is found by multiplying by correction factor, K, given as a function of applied working voltage, E<sub>g</sub>, (RMS).



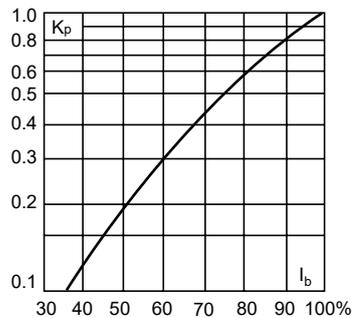
#### Arc voltage

This curve gives the peak arc voltage, U<sub>L</sub>, which may appear across the fuse during its operation as a function of the applied working voltage, E<sub>g</sub>, (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<sub>p</sub>, is given as a function of the RMS load current, I<sub>b</sub>, in percent of the rated current.

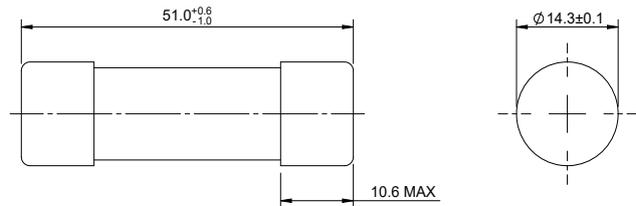


### Technical data

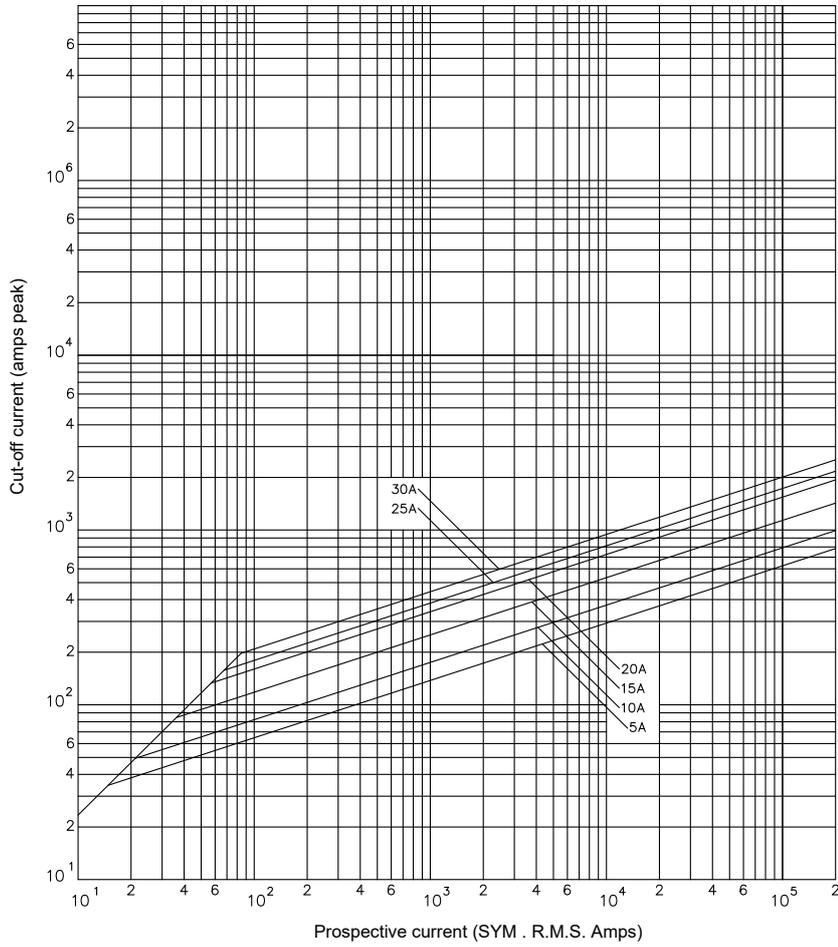
Catalogue numbers	Rated voltage V a.c. / V d.c.	Rated current RMS- Amps	I <sup>2</sup> t (A <sup>2</sup> Sec)		
			Pre-arc	Clearing at 250 V	Watts loss**
FWH-1A14F	500 V a.c. (UL)	1	0.04	0.2	5.7
FWH-2A14F		2	0.08	0.1	8.7
FWH-3A14F		3	0.11	0.2	2.8
FWH-4A14F		4	0.1	0.2	3
FWH-5A14F	500 V a.c./ V d.c. (UL)	5	2	7	1.5
FWH-6A14F		6	2	7	1.5
FWH-10A14F		10	4	15	4
FWH-12A14F		12	7	25	4.3
FWH-15A14F		15	10	40	5.5
FWH-20A14F		20	26	100	6.5
FWH-25A14F	25	49	200	7	
FWH-30A14F	30	58	240	9	

\*\*Watts loss provided at rated current

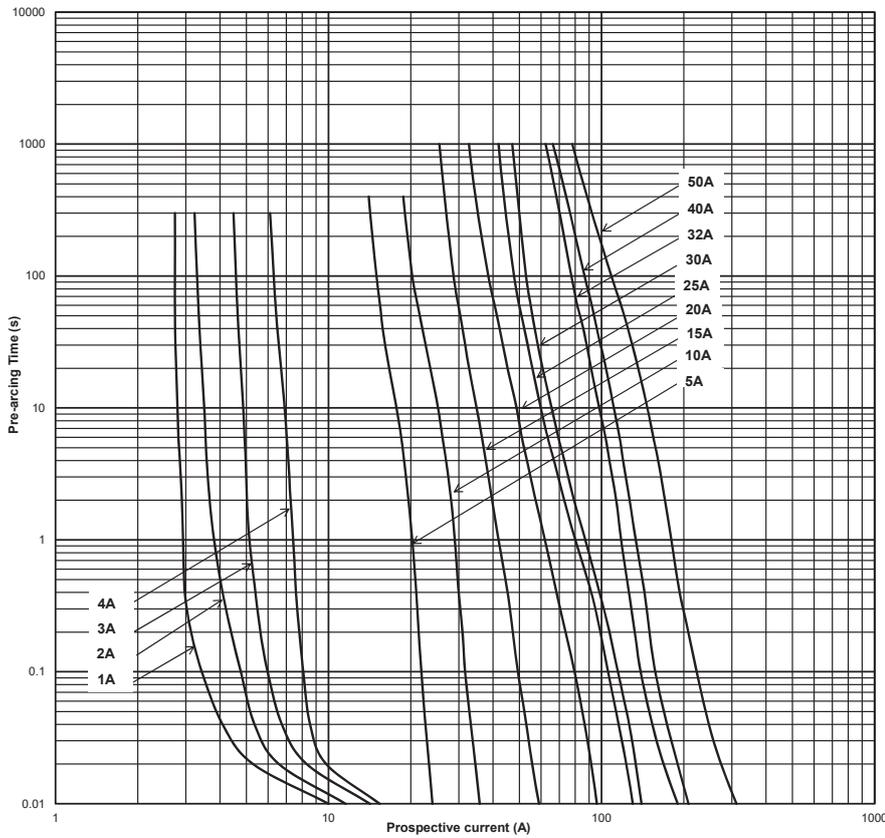
### Dimensions - mm



**Cut-off curves**



**Time-current curve - nominal melt**



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