

## Ferrule — FWH 500V: 1-30A

### FWH (14 x 51mm)

#### Specifications

Description: Ferrule style high speed fuses.

Dimensions: See dimensions illustration.

#### Ratings:

Volts: — 500Vac/dc

Amps: — 1-30A

IR: — 200kA RMS Sym.

— 50kA @500Vdc

Agency Information: CE, UL Recognition 1- 30A & CSA

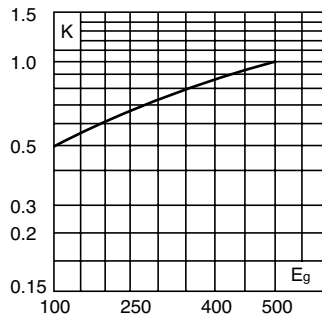
Component Acceptance: 5 - 30A.



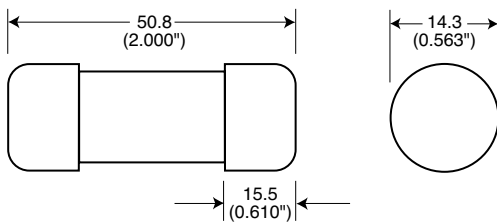
#### Electrical Characteristics

##### Total Clearing $I^2t$

The total clearing  $I^2t$  at rated voltage and at power factor of 15% 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).

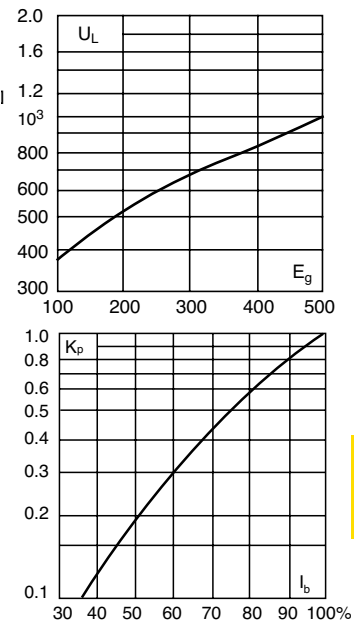


#### Dimensions - mm (inches)



#### 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%.



#### Power Losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power 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 % of the rated current.

#### Catalog Numbers

Catalog Numbers	Size	Rated Current RMS-Amps	Electrical Characteristics		
			$I^2t$ (A <sup>2</sup> Sec)		Watts Loss
			Pre-arc	Clearing at 500V	
FWH-1A14F	14 x 51mm ( $\frac{1}{2}$ " x 2")	1	—	—	—
FWH-2A14F		2	—	—	—
FWH-3A14F		3	—	—	2.3
FWH-4A14F		4	—	—	—
FWH-5A14F		5	1.6	6.4	1.5
FWH-6A14F		6	1.6	6.4	1.5
FWH-10A14F		10	3.6	13	4
FWH-12A14F		12	—	—	—
FWH-15A14F		15	10	40	5.5
FWH-20A14F		20	26	96	6
FWH-25A14F		25	49	191	7
FWH-30A14F		30	58	232	9

• Watts loss provided at rated current.  
• See accessories on page 216.

#### 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