



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Ferrule — FWP 690V/700V (IEC/UL): 20-100A, Striker Optional

### FWP (22 x 58mm)

#### Specifications

**Description:** Ferrule style high speed fuses with and without indicating striker.

**Dimensions:** See dimensions illustration.

#### Ratings:

Volts: — 690Vac (IEC)  
— 700Vac (UL)

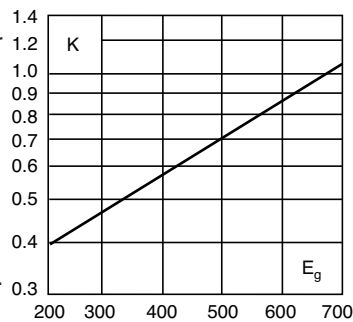
Amps: — 20-100A  
IR: — 200kA RMS Sym.  
— 50kA @ 500Vdc

**Agency Information:** CE, UL Recognition

#### Electrical Characteristics

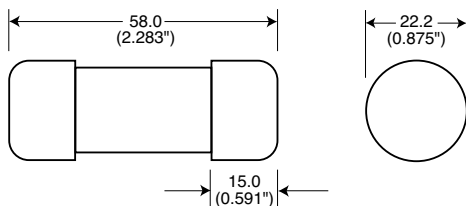
##### Total Clearing $I^2t$

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).

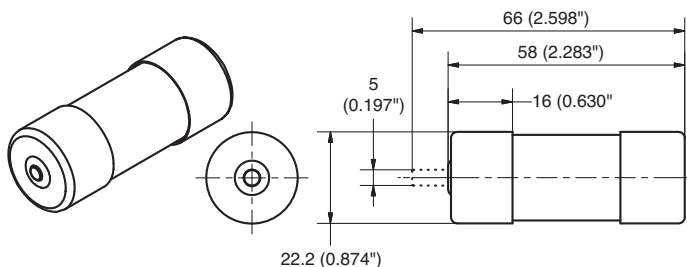


#### Dimensions - mm (inches)

##### Without Striker



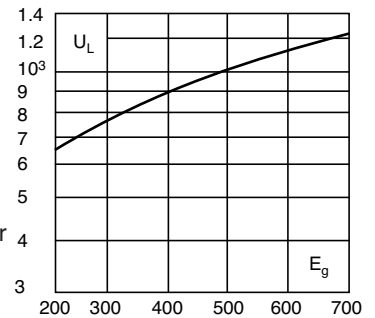
##### With Striker



FWP with striker option.

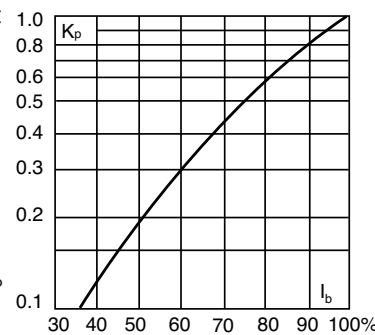
#### Arc Voltage

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	Electrical Characteristics			
		Rated Current RMS-Amps	$I^2t$ (A <sup>2</sup> Sec)		Watts Loss
			Minimum Melting	Clearing At Rated Voltage	
<b>Without Striker</b>					
FWP-20A22Fa	22 x 58mm ( $\frac{7}{8}$ " x 2 $\frac{1}{2}$ " <sup>1</sup> )	20	19.0	260	5
FWP-25A22Fa		25	34.0	410	6
FWP-32A22Fa		32	53.5	605	8
FWP-40A22Fa		40	68	750	9
FWP-50A22Fa		50	135	1600	9.5
FWP-63A22Fa		63	280	3080	11
FWP-80A22Fa		80	600	6600	13.5
FWP-100A22Fa	100*	1100	12500	16	
<b>With Striker</b>					
FWP-20A22FI	22 x 58mm ( $\frac{7}{8}$ " x 2 $\frac{1}{2}$ " <sup>1</sup> )	20	19.0	260	5
FWP-25A22FI		25	34.0	410	6
FWP-32A22FI		32	53.5	605	8
FWP-40A22FI		40	68	750	9
FWP-50A22FI		50	135	1600	9.5
FWP-63A22FI		63	280	3080	11
FWP-80A22FI		80	600	6600	13.5
FWP-100A22FI	100*	1100	12500	16	

\*IEC/UL Voltage rating 690/700

#### 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

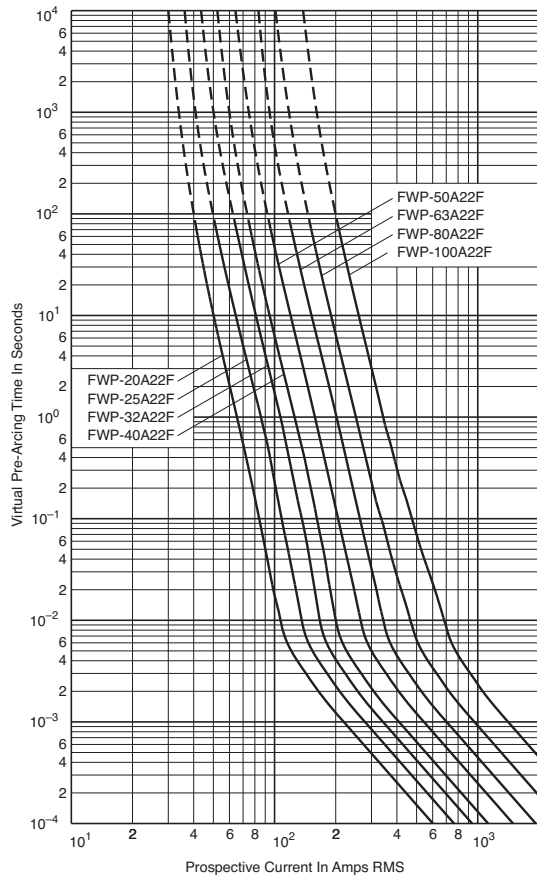
- DC common bus
- DC drives
- Power converters/rectifiers
- Reduced voltage starters

## Ferrule — FWP 690V/700V (IEC/UL): 20-100A, Striker Optional

Without Striker

FWP 20-100A: 660V/700V (22 x 58mm)

Time-Current Curve



Peak Let-Through Curve

