Ferrule — FWP 690V/700V (IEC/UL): 1-50A, Striker Optional

FWP (14 x 51mm)

FWP with striker option.

Specifications

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

Dimensions: See dimensions illustrations.

Ratings:

Volts: — 690Vac (IEC)
— 700Vac (UL)
— 800Vdc (5-50A)

Amps: — 1-50A

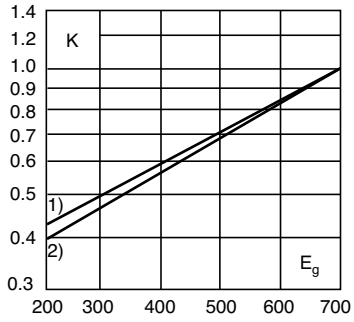
IR: — 200kA RMS Sym.
— 50kA @800Vdc

Agency Information: CE, UL Recognition JFHR2.E91958, CSA Component Acceptance file Class 1422-30, 1422-90 (53787) for versions without indicator only. Designed and tested to IEC 60269: Part 4.

Electrical Characteristics

Total Clearing I²t

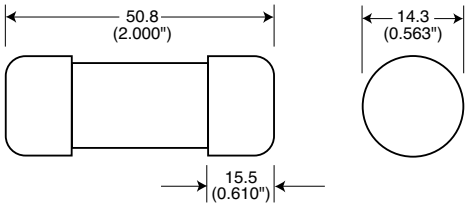
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (rms).



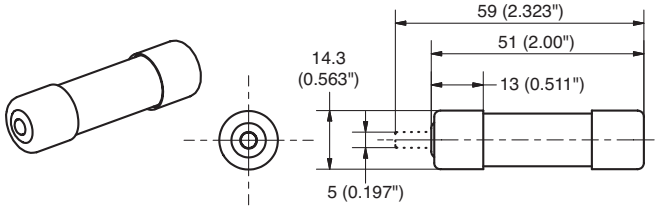
1) 5-30A Range
2) 32-50A Range

Dimensions - mm (in)

Without Striker

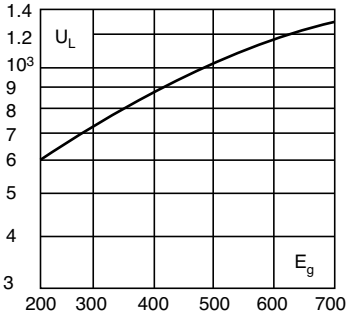


With Striker



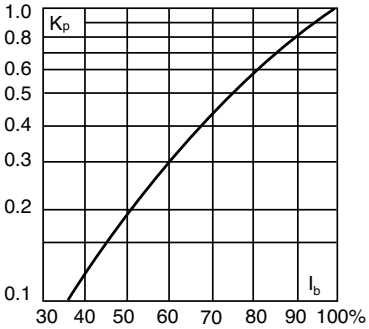
Arc Voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of theapplied 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: Current RMS-Amps	Rated I²t (A² Sec): Minimum Melting	Rated I²t (A² Sec): Clearing At Rated Voltage	Watts Loss
Without Striker					
FWP-1A14F		1	—	—	—
FWP-2A14F		2	—	—	—
FWP-2.5A14F		2.5	—	—	—
FWP-3A14F		3	—	—	—
FWP-4A14F		4	—	—	—
FWP-5A14F	14 x 51mm	5	1.6	11.0	1.5
FWP-10A14F	(9/16" x 2")	10	3.6	38.5	4
FWP-15A14F		15	8.6	70	5.5
FWP-20A14F		20	26.0	230	6
FWP-25A14F		25	46.5	375	7
FWP-30A14F		30	58	485	9
FWP-32A14F		32	68	600	7.6
FWP-40A14F		40	84	750	8
FWP-50A14F		50	200	1800	9
With Striker*					
FWP-10A14FI		10	3.6	38.5	4
FWP-15A14FI		15	8.6	70	5.5
FWP-20A14FI	14 x 51mm	20	26.0	230	6
FWP-25A14FI	(9/16" x 2")	25	46.5	375	7
FWP-30A14FI		30	58	485	9
FWP-32A14FI		32	68	600	7.6
FWP-40A14FI		40	84	750	8
FWP-50A14FI		50	200	1800	9

*Striker range is 600Vdc only
• Watts loss provided at rated current.
• See accessories on page 243.

Features and Benefits

- Excellent cycling capability and DC performance
- Low arc voltage and low energy let-through (I²t)
- Low watts loss in a compact size
- Used with finger-safe holders/blocks

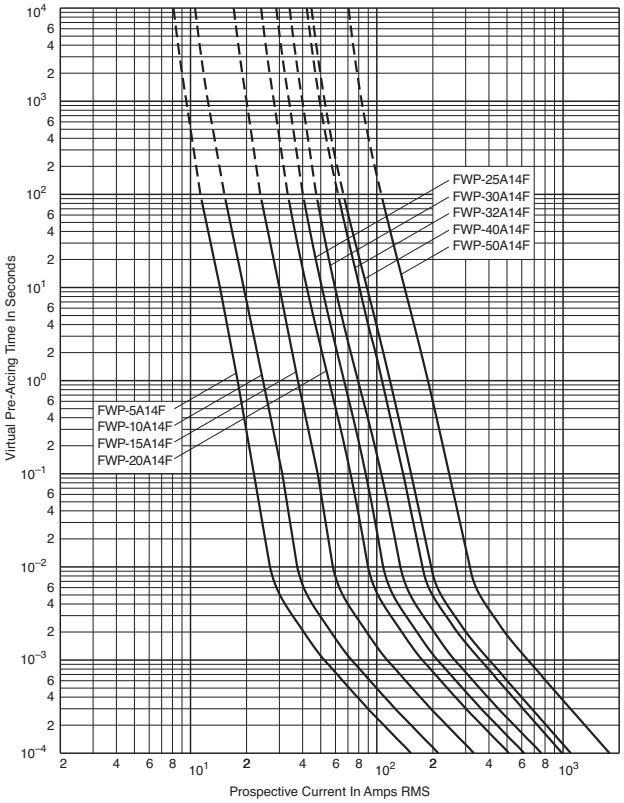
Data Sheet: 720025

Ferrule — FWP 690V/700V (IEC/UL): 1-50A, Striker Optional

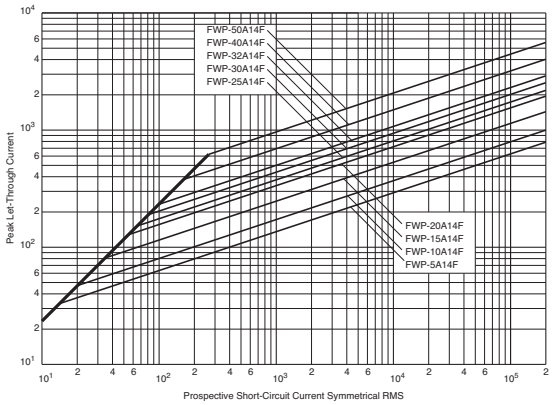
Without Striker

FWP 5-50A: 660V/700V (14 x 51mm)

Time-Current Curve



Peak Let-Through Curve



Data Sheet: 35785307

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

FWP (22 x 58mm)

FWP with striker option.

Specifications

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

Dimensions: See dimensions illustration.

Ratings:

Volts: — 690Vac (IEC)
— 700Vac (UL)
— 500Vac
— 500Vdc (20-100A)

Amps: — 20-100A

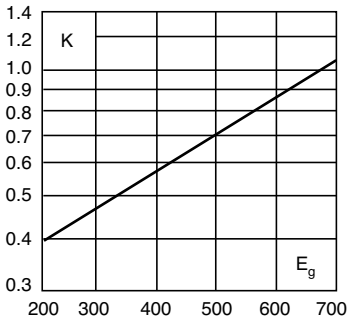
IR: — 200kA RMS Sym.
— 50kA @ 500Vdc

Agency Information: CE, UL Recognition JFHR2.E91958, CSA Component Acceptance file Class 1422-30, 1422-90 (53787)

Electrical Characteristics

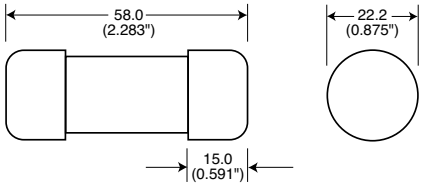
Total Clearing I²t

The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (rms).

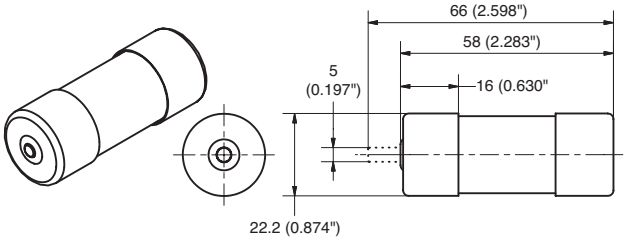


Dimensions - mm (in)

Without Striker

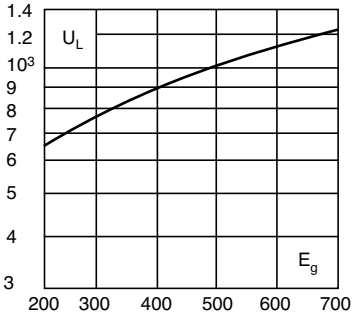


With Striker



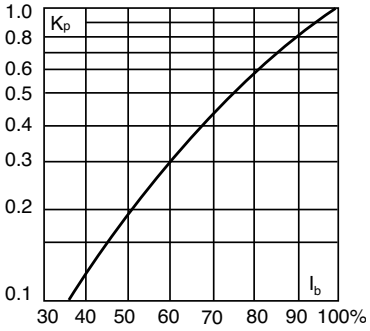
Arc Voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of theapplied 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	I²t (A² Sec): Minimum Melting	I²t (A² Sec): Clearing At Rated Voltage	Watts Loss
Without Striker					
FWP-20A22F		20	19.0	260	5
FWP-25A22F		25	34.0	410	6
FWP-32A22F	22 x 58mm	32	53.5	605	8
FWP-40A22F	(⅞" x 2³⁄₃₂")	40	68	750	9
FWP-50A22F		50	135	1600	9.5
FWP-63A22F		63	280	3080	11
FWP-80A22F		80	600	6600	13.5
FWP-100A22F		100*	1100	12500	16
With Striker					
FWP-20A22FI		20	19.0	260	5
FWP-25A22FI		25	34.0	410	6
FWP-32A22FI	22 x 58mm	32	53.5	605	8
FWP-40A22FI	(⅞" x 2³⁄₃₂")	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 (I²t)
- Low watts loss in a compact size
- Used with finger-safe holders/blocks

Typical Applications

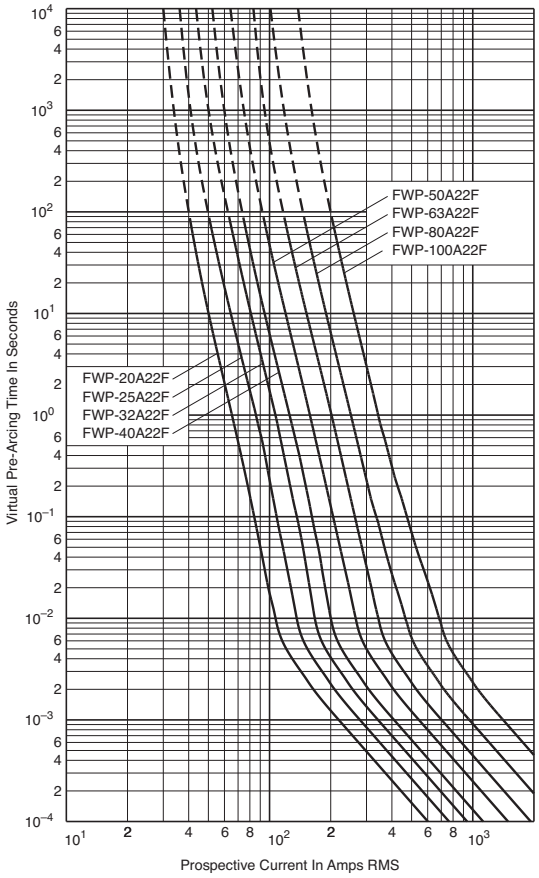
- DC Common bus
- DC Drives
- Power converters/rectifiers
- Reduced voltage starters

Data Sheet: 720026

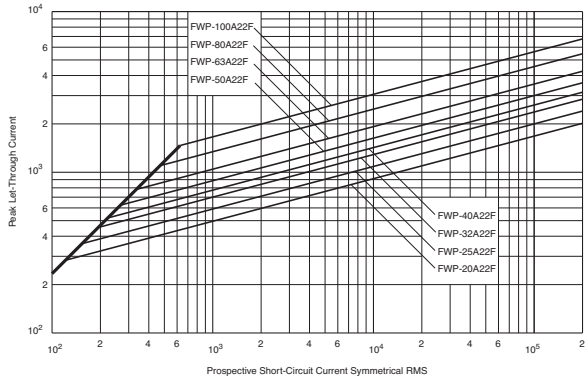
Ferrule — FWP 690V/700V (IEC/UL): 20-100A, Striker Optional

Without Striker
FWP 20-100A: 660V/700V (22 x 58mm)

Time-Current Curve



Peak Let-Through Curve



Data Sheet: 35785291