Bussmann series 22 x 58 mm FWP ferrule fuses

Product description

Eaton's Bussmann® series FWP ferrule fuse links are specifically designed for the protection of DC common bus, DC drives, power converters/ rectifiers and reduced voltage starters. They are available with or without strikers.

Feature and benefits

- Excellent cycling capability and DC performance
- Low arc voltage and low energy let-through
- 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

Catalogue symbol

- With striker: FWP-(amps)A22F
- Without striker: FWP-(amps)A22FI

Technical data

- Rated voltage: 700 V a.c./V d.c. UL
- Rated current: 20 to 100 A
- Operating class; aR
- Breaking capacity:
  - 200 kA RMS Sym.
  - 50 kA at 700 V d.c., t/c 5ms

Standards/Approvals

- CE
- UL Recognised
- CSA Component acceptance for versions without striker only

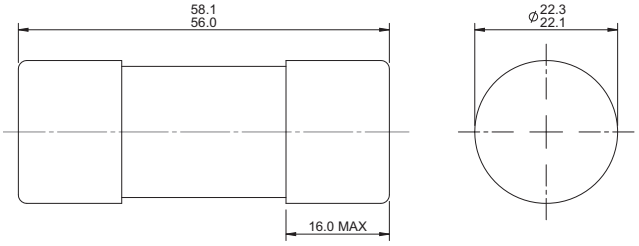
Packaging

- 10 in a pack

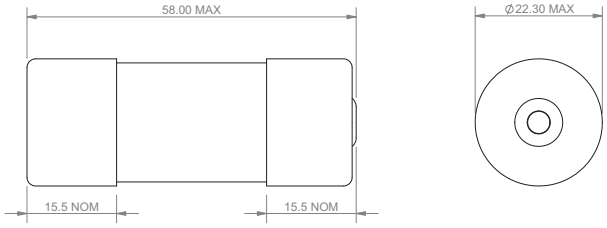
Technical data

Catalogue number	Fuse type	Rated voltage (V a.c./V d.c.)	Rated current (Amps)	Pre-arcing I^2t	Total I^2t @ 700 V a.c.	Power loss at I_n (W)
FWP-20A22F	Without striker	700	20	23	330	5
FWP-25A22F	Without striker	700	25	37	530	6
FWP-32A22F	Without striker	700	32	55	780	8
FWP-40A22F	Without striker	700	40	68	960	12
FWP-50A22F	Without striker	700	50	155	2200	12.5
FWP-63A22F	Without striker	700	63	280	4000	15
FWP-80A22F	Without striker	700	80	550	7800	15
FWP-100A22F	Without striker	700	100	1100	15600	16.5
FWP-20A22FI	With striker	700	20	23	330	5
FWP-25A22FI	With striker	700	25	37	530	6
FWP-32A22FI	With striker	700	32	55	780	8
FWP-40A22FI	With striker	700	40	68	960	12
FWP-50A22FI	With striker	700	50	155	2200	12.5
FWP-63A22FI	With striker	700	63	280	4000	15
FWP-80A22FI	With striker	700	80	550	7800	15
FWP-100A22FI	With striker	700	100	1100	15600	16.5

Dimensions - mm

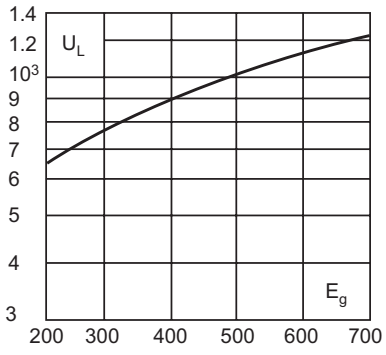


Without striker



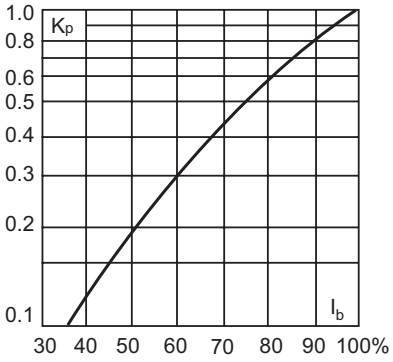
With striker

Arc voltage curve



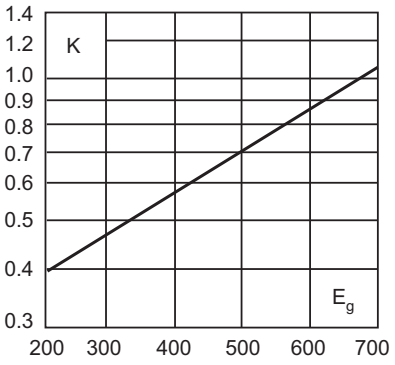
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

Power losses curve



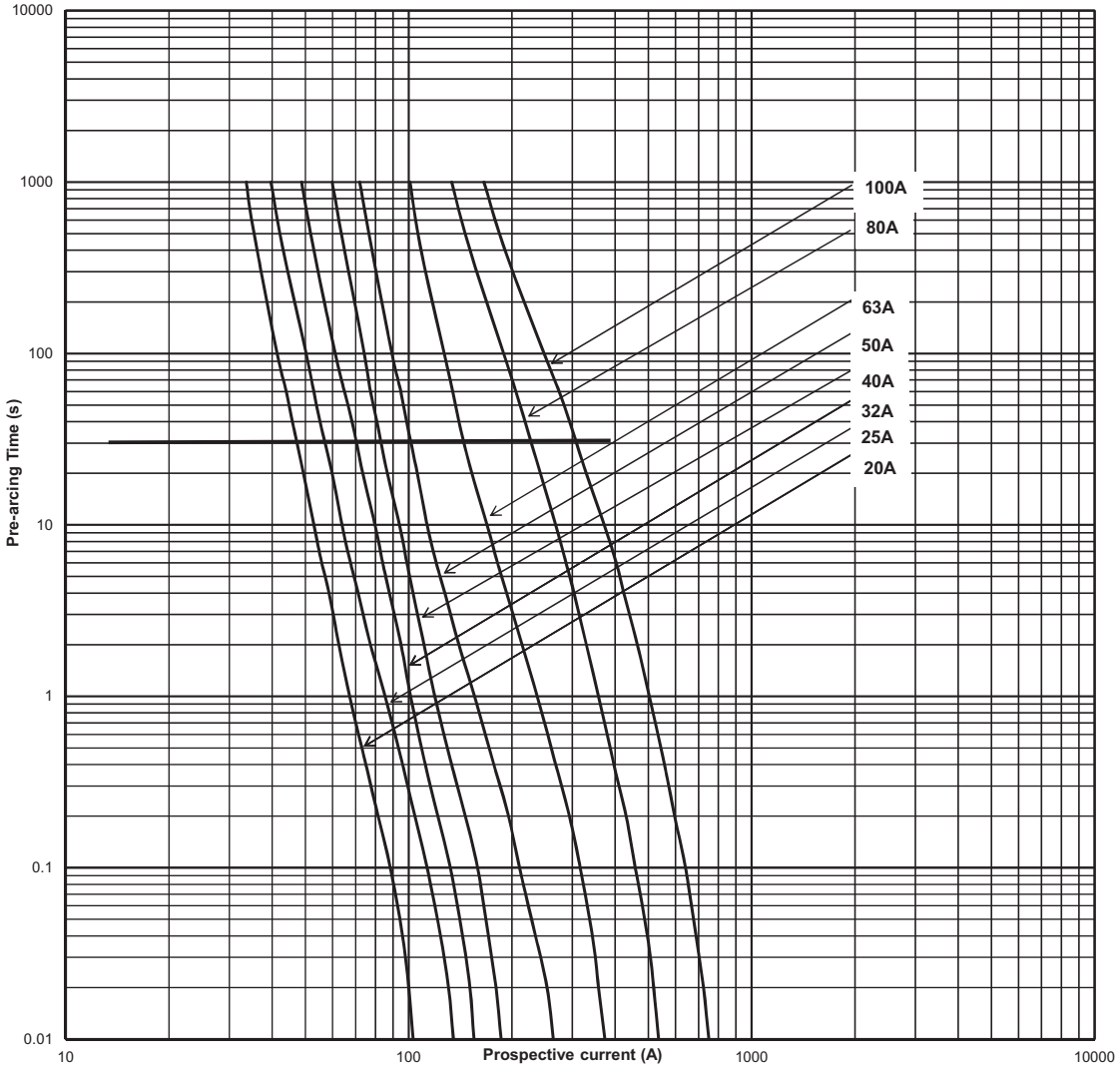
Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in % of the rated current .

Total clearing curve



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).

Time-current curve



Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland

Electrical Sector
Eaton Electrical Products Limited
Melton Road, Burton-on-the-Wolds
LE12 5TH, UK
Eaton.eu

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