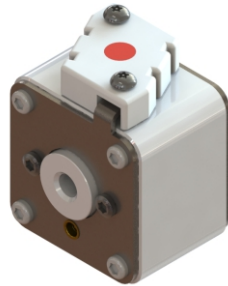


Square Body Flush End Contact Size 02

690V(IEC) 400A-1250A

▶ Product picture



▶ Specifications

Description: Square body DIN 43 620 blade style high speed fuses.

Ratings:

Rated Volts: —690V a.c(IEC)

Rated Amps: —400A-1250A

Breaking Capacity: —200kA RMS Sym

Agency Information: CE, Designed and tested to IEC 60269: Part 4, UL Recognized.

▶ Features and Benefits

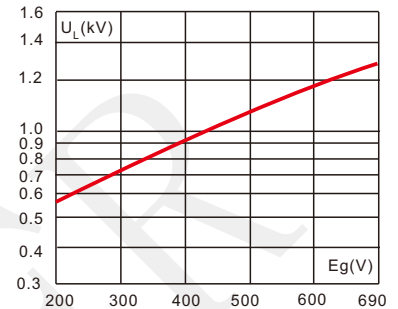
- Excellent current limiting
- Low arc voltage and low energy let-through(I^2t)
- Low watts loss
- Superior cycling ability

▶ Typical Applications

- Power converters/rectifiers
- Reduced voltage starters

▶ 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%.

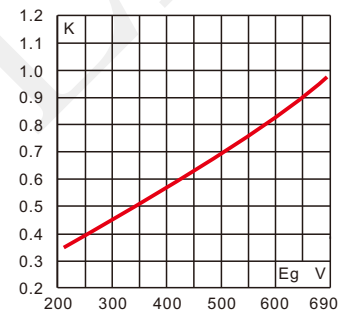


▶ Electrical

Characteristics

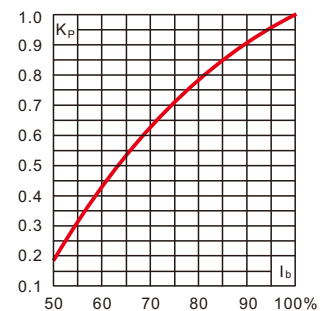
Total clearing I^2t

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).



▶ 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 %



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Revision : V0

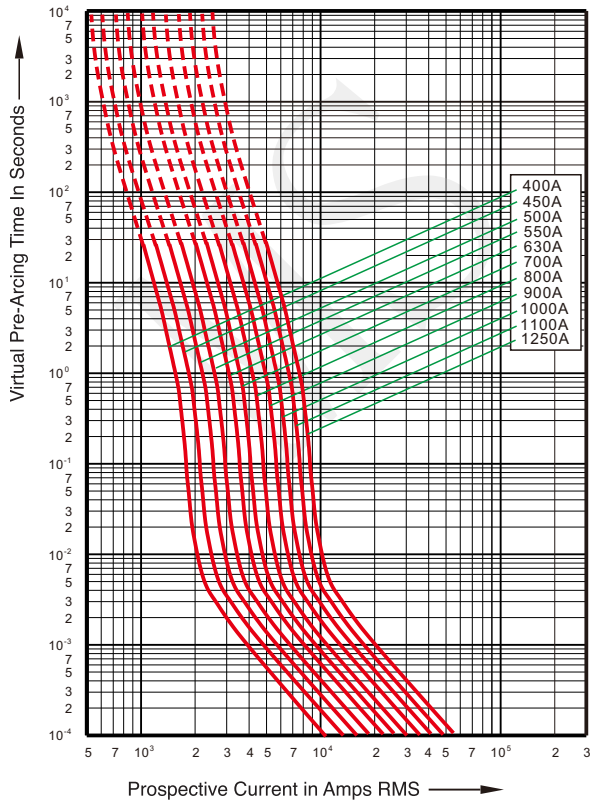
Square Body Flush End Contact Size 02

6900V(IEC) 400A-1250A

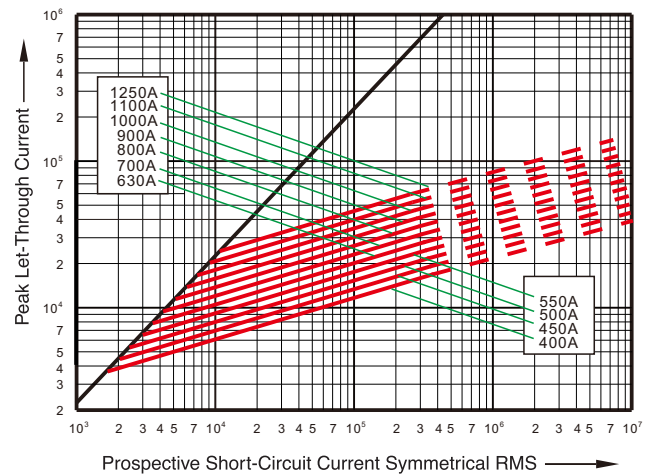
▶ Catalog Numbers

Catalog Numbers	Size	Rated Voltage (V)	Rated Current (A)	$I^2t(10^3A^2s)$		watts Loss (W)
				Pre- arc	Operating	
HF01F121U	02F1050KUMS	690	400	11	76	≤ 65
HF02F121U	02F1050KUMS	690	450	16.5	110	≤ 70
HF03F121U	02F1050KUMS	690	500	22.5	153	≤ 75
HF04F121U	02F1050KUMS	690	550	29.5	198	≤ 80
HF05F121U	02F1050KUMS	690	630	43	288	≤ 90
HF06F121U	02F1050KUMS	690	700	63.5	425	≤ 95
HF07F121U	02F1050KUMS	690	800	90.5	575	≤ 105
HF08F121U	02F1050KUMS	690	900	131	880	≤ 110
HF09F121U	02F1050KUMS	690	1000	189.5	1312	≤ 115
HF10F121U	02F1050KUMS	690	1100	257	1760	≤ 120
HF11F121U	02F1050KUMS	500	1250	402.5	2650	≤ 135

▶ Time-Current Curve



▶ Peak Let-Through Curve



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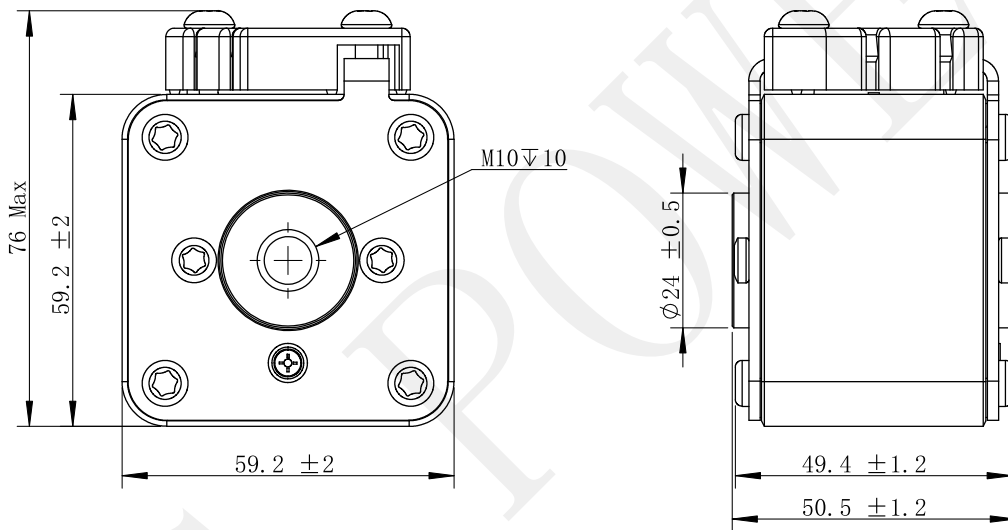
: V0

Square Body Flush End Contact Size 02

690V(IEC) 400A-1250A

► Outline

Dimensions(mm) 1mm=0.0394"/1"=25.4mm



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- to perform joint Risk and Quality Assessments;
- the conclusion of Quality Agreements;
- to establish joint measures of an ongoing product survey, and that we may make delivery depended on the realization of any such measures.

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