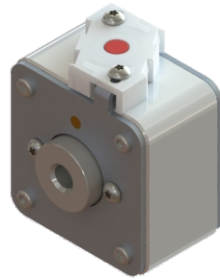


## Square Body Flush End Contact Size 03

690V(IEC) 500A-1600A

### ▶ Product picture



### ▶ Specifications

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

#### Ratings:

Rated Volts: —690V a.c(IEC)

Rated Amps: —500A-1600A

Breaking Capacity: —100kA RMS Sym

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

### ▶ Features and Benefits

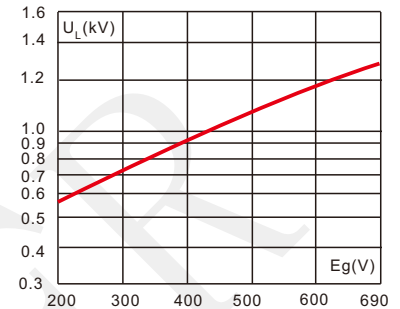
- Excellent current limiting
- Low arc voltage and low energy let-through( $I^2t$ )
- Low watts loss
- Superior cycling ability

### ▶ 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%.

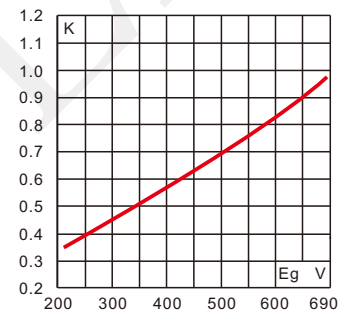


### ▶ Electrical

Characteristics

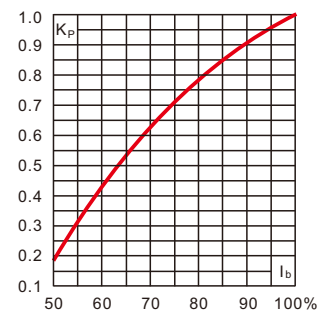
Total clearing  $I^2t$

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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Approved by : Jacky

Revision : V0

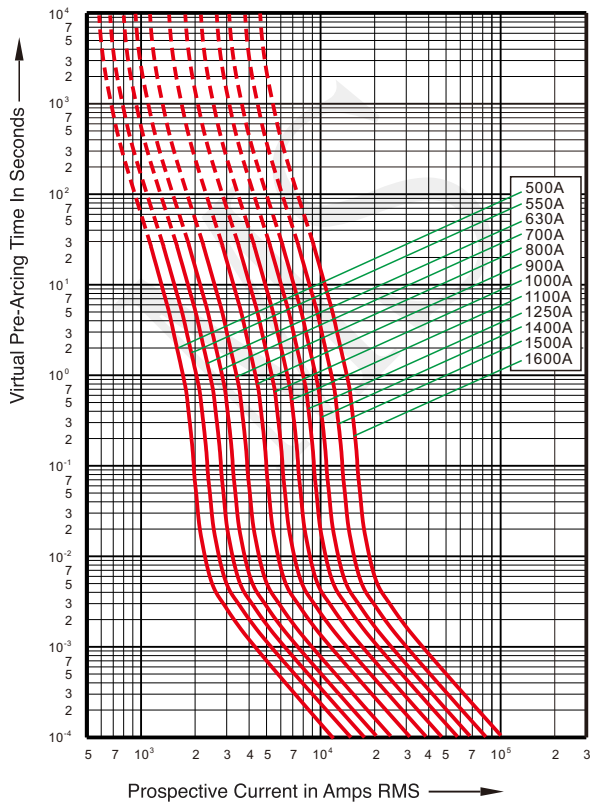
**Square Body Flush End Contact Size 03**

690V(IEC) 500A-1600A

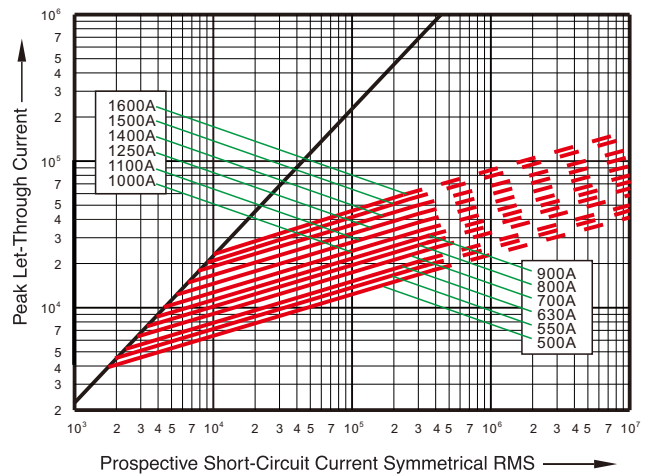
► **Catalog Numbers**

Catalog Numbers	Rated Voltage (V)	Rated Current (A)	I <sup>2</sup> t(10 <sup>3</sup> A <sup>2</sup> s)		watts Loss (W)
			Pre- arc	Operating	
H3F1E809U	690	500	14.5	96	≤ 98
H3F1E810U	690	550	20	133	≤ 99
H3F1E811U	690	630	31	209	≤ 106
H3F1E812U	690	700	45	301	≤ 110
H3F1E813U	690	800	71	466	≤ 118
H3F1E814U	690	900	102	671	≤ 122
H3F1E815U	690	1000	141	945	≤ 126
H3F1E816U	690	1100	188	1299	≤ 131
H3F1E817U	690	1250	293	1951	≤ 139
H3F1E818U	690	1400	369	2447	≤ 158
H3F1E819U	690	1500	459.5	3102	≤ 160
H3F1E820U	690	1600	579	3901	≤ 162

► **Time-Current Curve**



► **Peak Let-Through Curve**



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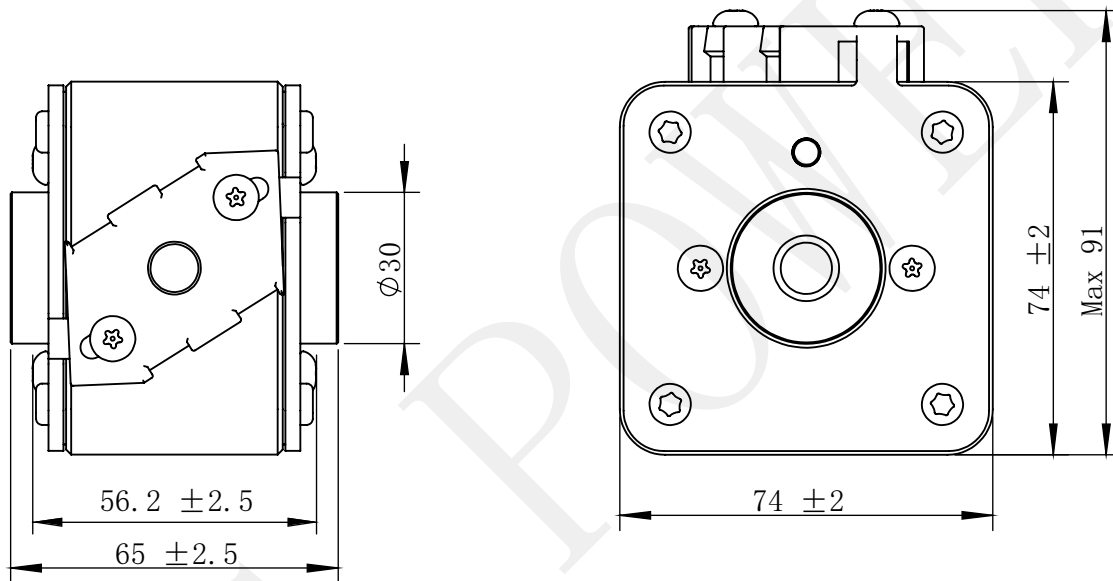
Revision : V0

## Square Body Flush End Contact Size 03

690V(IEC) 500A-1600A

### ► Outline

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



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**Square Body Flush End Contact Size 03**

690V(IEC) 500A-1600A

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