

## Square Body - Flush End Contact

**1000V (IEC) 50–400A**

| Electrical Characteristics |               |                        |                                     |                           |            | Ordering Information                       |                                            |             |                    |
|----------------------------|---------------|------------------------|-------------------------------------|---------------------------|------------|--------------------------------------------|--------------------------------------------|-------------|--------------------|
| Size                       | Rated Voltage | Rated Current RMS-Amps | I <sup>2</sup> t (A <sup>2</sup> s) |                           | Watts Loss | -BKN/-<br>Type K<br>Indicator for<br>Micro | -GKN/-<br>Type K<br>Indicator for<br>Micro | Carton Qty. | Carton Weight (kg) |
|                            |               |                        | Pre-arc                             | Clearing at Rated Voltage |            |                                            |                                            |             |                    |
| 1*                         | 1000          | 50                     | 135                                 | 815                       | 20         | 170M3951                                   | 170M3921                                   | 6           | 2.35               |
|                            | 1000          | 63                     | 215                                 | 1300                      | 25         | 170M3952                                   | 170M3922                                   |             |                    |
|                            | 1000          | 80                     | 460                                 | 2750                      | 30         | 170M3953                                   | 170M3923                                   |             |                    |
|                            | 1000          | 100                    | 860                                 | 5100                      | 35         | 170M3954                                   | 170M3924                                   |             |                    |
|                            | 1000          | 125                    | 1450                                | 8600                      | 40         | 170M3955                                   | 170M3925                                   |             |                    |
|                            | 1000          | 160                    | 2850                                | 17500                     | 45         | 170M3956                                   | 170M3926                                   |             |                    |
|                            | 1000          | 200                    | 4950                                | 29500                     | 48         | 170M3957                                   | 170M3927                                   |             |                    |
|                            | 1000          | 250                    | 9550                                | 57000                     | 50         | 170M3958                                   | 170M3928                                   |             |                    |
|                            | 1000          | 315                    | 21500                               | 130000                    | 60         | 170M3959                                   | 170M3929                                   |             |                    |
|                            | 1000          | 350                    | 29000                               | 175000                    | 65         | 170M3960                                   | 170M3930                                   |             |                    |
|                            | 1000          | 400                    | 42000                               | 250000                    | 70         | 170M3961                                   | 170M3931                                   |             |                    |

1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Interrupting rating 150kA (Estimated 300kA) RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch ordered separately.
- \*Overall length is 90 mm, for all other fuses the overall length is 75 mm.

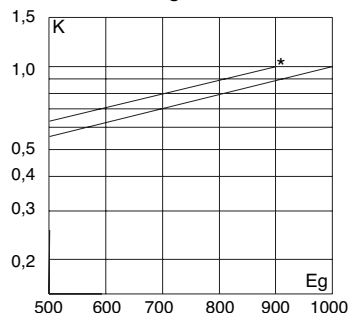
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## Square Body - Flush End Contact

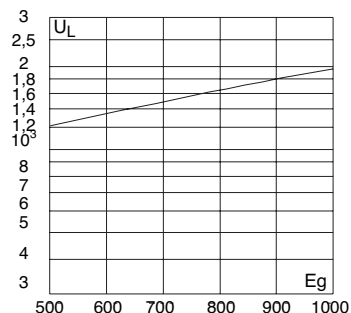
**1000V (IEC) 50–400A****Electrical Characteristics****Total clearing  $I^2t$** 

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).

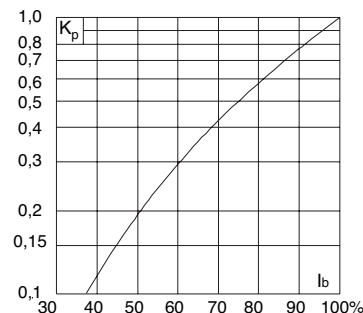
\*Rated voltage 900V

**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.

**Dimensions**

Flush End Contact Type –BKN/- and –GKN/-

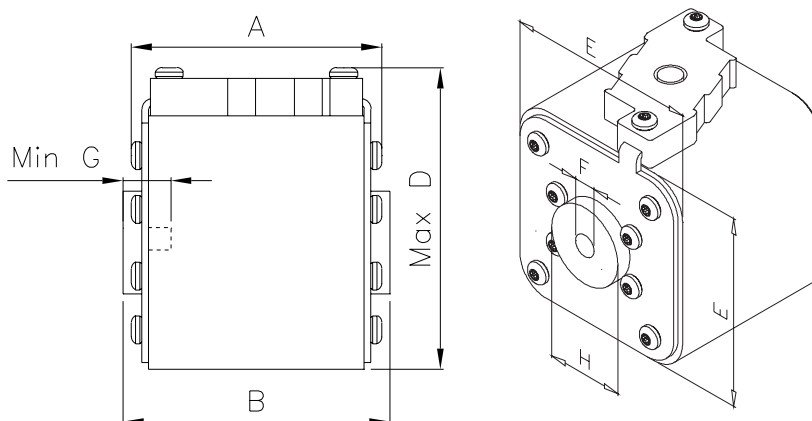
| Size            | A    | B    | Max D | E  | F   | F <sup>§</sup>    | Min G | H     |
|-----------------|------|------|-------|----|-----|-------------------|-------|-------|
| 1*BKN/75+GKN/75 | 72.5 | 74   | 61    | 43 | M8  | 5/16" – 18 UNC-2B | 5     | ø17.5 |
| 1BKN/75+GKN/75  | 73.2 | 74   | 69    | 52 | M8  | 5/16" – 18 UNC-2B | 8     | ø20   |
| 2BKN/75+GKN/75  | 73.2 | 74.4 | 77    | 59 | M10 | 3/8" – 16 UNC-2B  | 10    | ø24   |
| 3BKN/75+GKN/75  | 73.3 | 75.4 | 92    | 74 | M12 | 1/2" – 13 UNC-2B  | 10    | ø30   |

| Size           | A    | B    | Max D | E  | F   | F <sup>§</sup>   | Min G | H   |
|----------------|------|------|-------|----|-----|------------------|-------|-----|
| 3BKN/90+GKN/90 | 80.3 | 91.4 | 92    | 74 | M12 | 1/2" – 13 UNC-2B | 10    | ø30 |

§ Valid for fuses type –GKN/-

Dimensions in mm

1 mm = 0.0394" 1" = 25.4 mm





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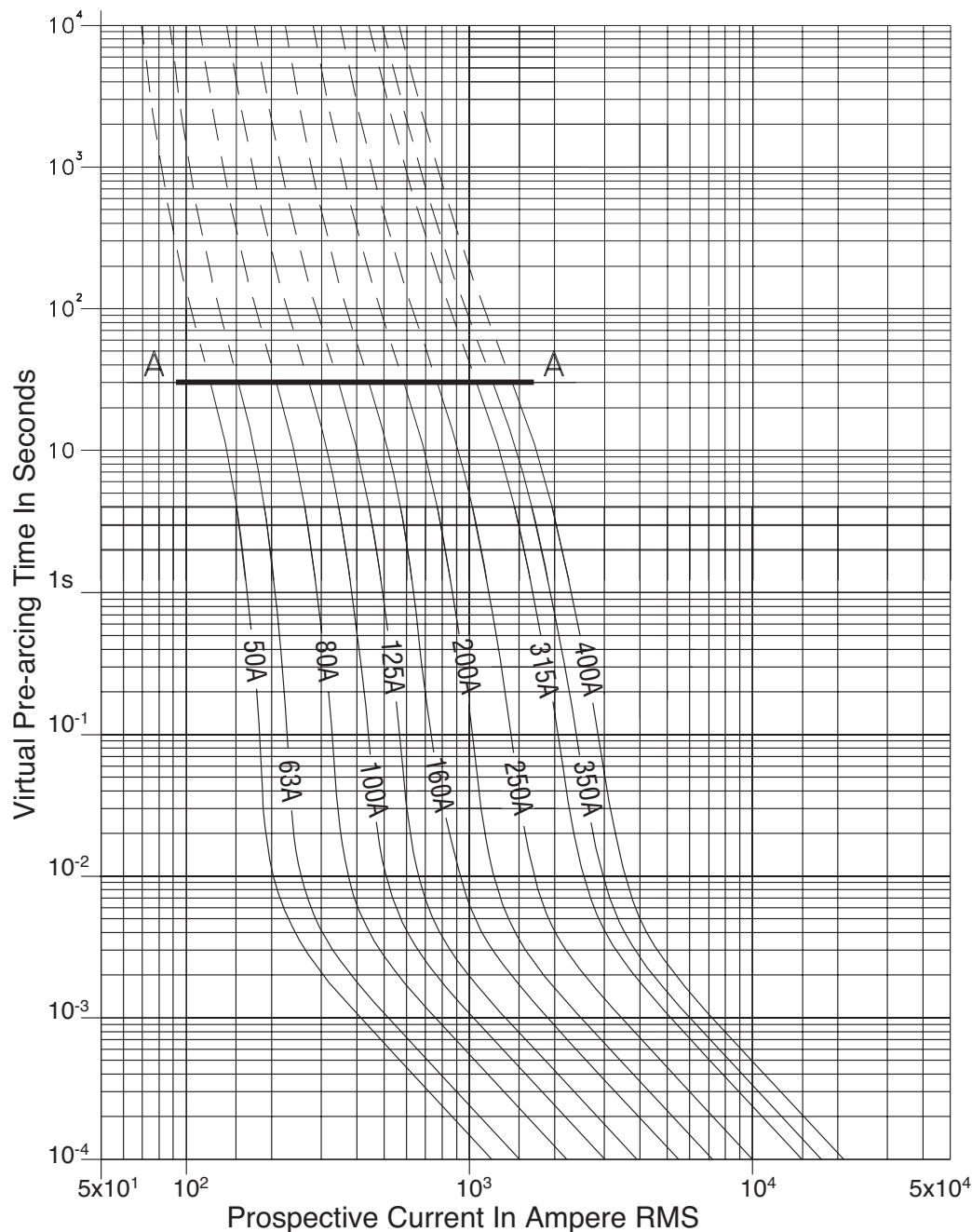
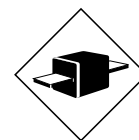
# Semiconductor Fuse

## 50-400A, 1000 Volts

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Size

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The partial dotted curves are for fuses designed to give part range protection (aR protection). Loading or operation above the curve indicated at A on the curves must in general be avoided. Please see technical guidance 170K...

for further information. Curves that are not dotted are for fuses designed to give full range protection.

**Pre-Arcing** Time-Current Characteristic Curves

**TYPOWER ZILOX**

Approved: **PK**

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Rev. Date: **FEB-99**

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# Semiconductor Fuse

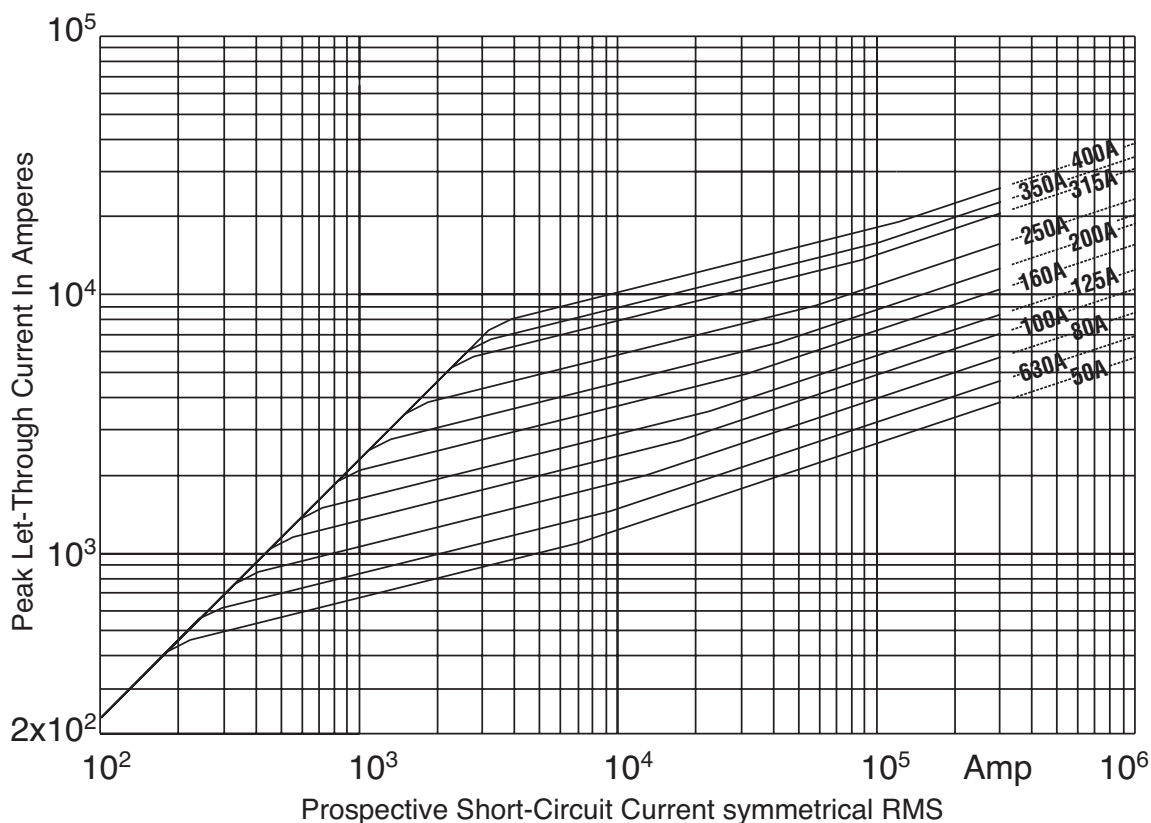
## 50-400A, 1000 Volts

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### Peak Let-Through

Cut-Off Current Characteristic Curves

**TYPOWER ZILOX**

Approved: **PK**

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.