

Square Body – US Style

**1250V/1300V (IEC/U.L.)****50-1400A**

| Electrical Characteristics |                           |           |                      |                      |               | Ordering Information           |                                              |                |                          | Curves   |
|----------------------------|---------------------------|-----------|----------------------|----------------------|---------------|--------------------------------|----------------------------------------------|----------------|--------------------------|----------|
| Size                       | Rated Current<br>RMS-Amps | I²t (A²S) |                      |                      | Watts<br>Loss | -FU/115<br>Visual<br>Indicator | -FKE/115<br>Type K<br>Indicator<br>for Micro | Carton<br>Qty. | Carton<br>Weight<br>(kg) | BIF #    |
|                            |                           | Pre-arc   | Clearing<br>at 1000V | Clearing<br>at 1250V |               |                                |                                              |                |                          |          |
| 1*                         | 50                        | 135       | 815                  | 1100                 | 15            | 170M3688                       | 170M3738                                     | 1              | 0.425                    | 17056630 |
|                            | 63                        | 215       | 1300                 | 1750                 | 20            | 170M3689                       | 170M3739                                     |                |                          |          |
|                            | 80                        | 420       | 2500                 | 3350                 | 25            | 170M3690                       | 170M3740                                     |                |                          |          |
|                            | 100                       | 750       | 4450                 | 5950                 | 30            | 170M3691                       | 170M3741                                     |                |                          |          |
|                            | 125                       | 1450      | 9000                 | 11500                | 35            | 170M3692                       | 170M3742                                     |                |                          |          |
|                            | 160                       | 2600      | 16000                | 21000                | 40            | 170M3693                       | 170M3743                                     |                |                          |          |
|                            | 200                       | 5150      | 31000                | 41000                | 45            | 170M3694                       | 170M3744                                     |                |                          |          |
|                            | 250                       | 9200      | 54500                | 73000                | 55            | 170M3695                       | 170M3745                                     |                |                          |          |
|                            | 315                       | 18500     | 115000               | 150000               | 60            | 170M3696                       | 170M3746                                     |                |                          |          |
|                            | 350                       | 27000     | 165000               | 220000               | 65            | 170M3697                       | 170M3747                                     |                |                          |          |
| 1                          | 160                       | 1900      | 11500                | 15500                | 45            | 170M4688                       | 170M4738                                     | 1              | 0.675                    | 17056632 |
|                            | 200                       | 3800      | 22500                | 30000                | 50            | 170M4689                       | 170M4739                                     |                |                          |          |
|                            | 250                       | 7750      | 46000                | 61500                | 60            | 170M4690                       | 170M4740                                     |                |                          |          |
|                            | 315                       | 15000     | 90000                | 120000               | 65            | 170M4691                       | 170M4741                                     |                |                          |          |
|                            | 350                       | 20000     | 125000               | 165000               | 70            | 170M4692                       | 170M4742                                     |                |                          |          |
|                            | 400                       | 29500     | 175000               | 235000               | 75            | 170M4693                       | 170M4743                                     |                |                          |          |
|                            | 450                       | 42000     | 250000               | 335000               | 80            | 170M4694                       | 170M4744                                     |                |                          |          |
|                            | †500                      | 69500     | 340000               |                      | 85            | 170M4695                       | 170M4745                                     |                |                          |          |
|                            | †550                      | 95000     | 465000               |                      | 95            | 170M4696                       | 170M4746                                     |                |                          |          |
|                            | †630                      | 130000    | 660000               |                      | 100           | 170M4697                       | 170M4747                                     |                |                          |          |
| 2                          | 250                       | 6500      | 38500                | 51500                | 65            | 170M5688                       | 170M5738                                     | 1              | 0.740                    | 17056634 |
|                            | 280                       | 9350      | 55500                | 74500                | 70            | 170M5689                       | 170M5739                                     |                |                          |          |
|                            | 315                       | 13000     | 77500                | 105000               | 75            | 170M5690                       | 170M5740                                     |                |                          |          |
|                            | 350                       | 16500     | 97500                | 135000               | 80            | 170M5691                       | 170M5741                                     |                |                          |          |
|                            | 400                       | 23000     | 140000               | 180000               | 85            | 170M5692                       | 170M5742                                     |                |                          |          |
|                            | 450                       | 34000     | 205000               | 270000               | 90            | 170M5693                       | 170M5743                                     |                |                          |          |
|                            | 500                       | 48000     | 285000               | 380000               | 95            | 170M5694                       | 170M5744                                     |                |                          |          |
|                            | 550                       | 62000     | 370000               | 495000               | 100           | 170M5695                       | 170M5745                                     |                |                          |          |
|                            | 630                       | 115000    | 575000               | 730000               | 110           | 170M5696                       | 170M5746                                     |                |                          |          |
|                            | †700                      | 160000    | 795000               |                      | 115           | 170M5697                       | 170M5747                                     |                |                          |          |
|                            | †800                      | 245000    | 1200000              |                      | 120           | 170M5698                       | 170M5748                                     |                |                          |          |
|                            | †900                      | 360000    | 1750000              |                      | 125           | 170M5699                       | 170M5749                                     |                |                          |          |
|                            | †1000                     | 480000    | 2350000              |                      | 135           | 170M5700                       | 170M5750                                     |                |                          |          |
| 3                          | 315                       | 9500      | 58000                | 77500                | 185           | 170M6688                       | 170M6738                                     | 1              | 1.250                    | 17056636 |
|                            | 350                       | 13500     | 81500                | 110000               | 90            | 170M6689                       | 170M6739                                     |                |                          |          |
|                            | 400                       | 19500     | 120000               | 160000               | 95            | 170M6690                       | 170M6740                                     |                |                          |          |
|                            | 450                       | 31000     | 185000               | 245000               | 100           | 170M6691                       | 170M6741                                     |                |                          |          |
|                            | 500                       | 39000     | 235000               | 310000               | 105           | 170M6692                       | 170M6742                                     |                |                          |          |
|                            | 550                       | 55000     | 325000               | 435000               | 110           | 170M6693                       | 170M6743                                     |                |                          |          |
|                            | 630                       | 83500     | 495000               | 665000               | 115           | 170M6694                       | 170M6744                                     |                |                          |          |
|                            | 700                       | 115000    | 705000               | 940000               | 120           | 170M6695                       | 170M6745                                     |                |                          |          |
|                            | 800                       | 205000    | 995000               | 1300000              | 125           | 170M6696                       | 170M6746                                     |                |                          |          |
|                            | 900                       | 305000    | 1500000              | 1900000              | 130           | 170M6697                       | 170M6747                                     |                |                          |          |
|                            | ¥1000                     | 450000    | 2150000              |                      | 135           | †170M6698                      | †170M6748                                    |                |                          |          |
|                            | ¥1100                     | 575000    | 2800000              |                      | 140           | †170M6699                      | †170M6749                                    |                |                          |          |
|                            | ¥1250                     | 810000    | 3950000              |                      | 145           | †170M6700                      | †170M6750                                    |                |                          |          |
|                            | ¥1400                     | 1250000   | 6000000              |                      | 150           | †170M6701                      | †170M6751                                    |                |                          |          |

¥ U.L. Recognition at 1000V.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Interrupting rating 100kA RMS Symmetrical.
- Watts loss provided at rated current.
- Rated voltage (IEC) †1100 †1000V (Consult Bussmann for U.L. Recognition/ CSA Component Acceptance status.)
- Microswitch indicator ordered separately.

Square Body – US Style

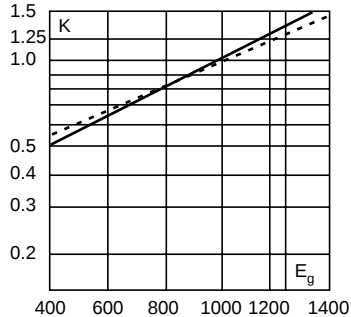
**1250V/1300V (IEC/U.L.) 50-1400A**



## Electrical Characteristics

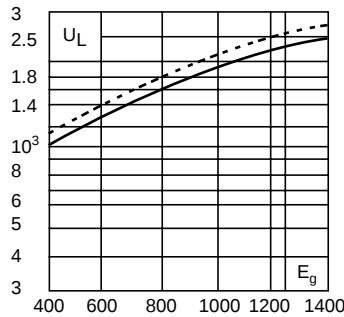
### Total Clearing $I^2t$

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).



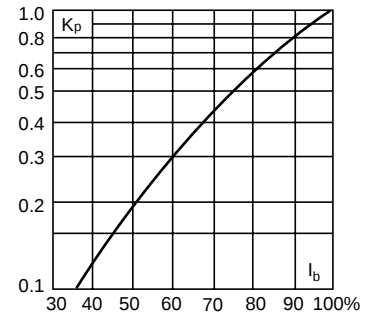
### Arc Voltage

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.



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Dashed lines apply to the following amperages:

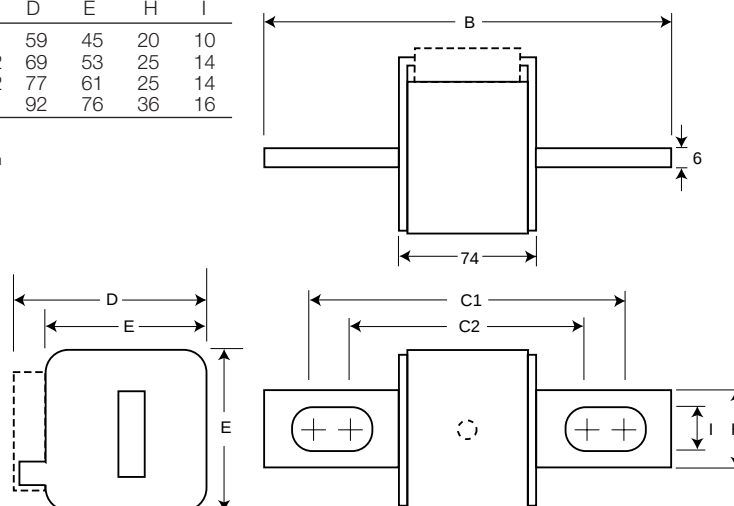
| Size | 1*  | 1       | 2        | 3        |
|------|-----|---------|----------|----------|
| Amp  | 400 | 500-630 | 630-1000 | 800-1400 |

## Dimensions

US Style: Type -FU/115, -FKE/115

| Size | B   | C1  | C2  | D  | E  | H  | I  |
|------|-----|-----|-----|----|----|----|----|
| 1*   | 156 | 130 | 101 | 59 | 45 | 20 | 10 |
| 1    | 160 | 127 | 102 | 69 | 53 | 25 | 14 |
| 2    | 160 | 127 | 102 | 77 | 61 | 25 | 14 |
| 3    | 159 | 128 | 101 | 92 | 76 | 36 | 16 |

Dimension in mm.  
1mm = 0.0394" 1" = 25.4mm



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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;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- 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

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