

Square Body - US Style  
**690V/700V (IEC)**

**40-2000A**



| Electrical Characteristics |                           |           |                     |               | Ordering Information          |                                            |                                 |                                              |                |                          | Curves   |
|----------------------------|---------------------------|-----------|---------------------|---------------|-------------------------------|--------------------------------------------|---------------------------------|----------------------------------------------|----------------|--------------------------|----------|
| Size                       | Rated Current<br>RMS-Amps | I²t (A²S) |                     | Watts<br>Loss | -FU/-<br>Without<br>Indicator | -FKE/-<br>Type K<br>Indicator<br>for Micro | -FU/115<br>Without<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 660V |               |                               |                                            |                                 |                                              |                |                          |          |
| 1*                         | 40                        | 40        | 270                 | 9             | 170M3608                      | 170M3658                                   | 170M3708                        | 170M3758                                     | 1              | 0.340                    | 17056314 |
|                            | 50                        | 77        | 515                 | 11            | 170M3609                      | 170M3659                                   | 170M3709                        | 170M3759                                     |                |                          |          |
|                            | 63                        | 115       | 770                 | 14            | 170M3610                      | 170M3660                                   | 170M3710                        | 170M3760                                     |                |                          |          |
|                            | 80                        | 185       | 1250                | 18            | 170M3611                      | 170M3661                                   | 170M3711                        | 170M3761                                     |                |                          |          |
|                            | 100                       | 360       | 2450                | 21            | 170M3612                      | 170M3662                                   | 170M3712                        | 170M3762                                     |                |                          |          |
|                            | 125                       | 550       | 3700                | 26            | 170M3613                      | 170M3663                                   | 170M3713                        | 170M3763                                     |                |                          |          |
|                            | 160                       | 1100      | 7500                | 30            | 170M3614                      | 170M3664                                   | 170M3714                        | 170M3764                                     |                |                          |          |
|                            | 200                       | 2200      | 15000               | 35            | 170M3615                      | 170M3665                                   | 170M3715                        | 170M3765                                     |                |                          |          |
|                            | 250                       | 4200      | 28500               | 40            | 170M3616                      | 170M3666                                   | 170M3716                        | 170M3766                                     |                |                          |          |
|                            | 315                       | 7000      | 46500               | 50            | 170M3617                      | 170M3667                                   | 170M3717                        | 170M3767                                     |                |                          |          |
|                            | 350                       | 10000     | 68500               | 55            | 170M3618                      | 170M3668                                   | 170M3718                        | 170M3768                                     |                |                          |          |
|                            | 400                       | 15000     | 105000              | 60            | 170M3619                      | 170M3669                                   | 170M3719                        | 170M3769                                     |                |                          |          |
|                            | 450                       | 21000     | 140000              | 65            | 170M3620                      | 170M3670                                   | 170M3720                        | 170M3770                                     |                |                          |          |
|                            | 500                       | 27000     | 180000              | 70            | 170M3621                      | 170M3671                                   | 170M3721                        | 170M3771                                     |                |                          |          |
|                            | 550                       | 34000     | 230000              | 75            | 170M3622                      | 170M3672                                   | 170M3722                        | 170M3772                                     |                |                          |          |
|                            | 630                       | 48500     | 325000              | 80            | 170M3623                      | 170M3673                                   | 170M3723                        | 170M3773                                     |                |                          |          |
| 1                          | 200                       | 1650      | 11500               | 45            | 170M4608                      | 170M4658                                   | 170M4708                        | 170M4758                                     | 1              | 0.500                    | 17056316 |
|                            | 250                       | 3100      | 21000               | 55            | 170M4609                      | 170M4659                                   | 170M4709                        | 170M4759                                     |                |                          |          |
|                            | 315                       | 6200      | 42000               | 58            | 170M4610                      | 170M4660                                   | 170M4710                        | 170M4760                                     |                |                          |          |
|                            | 350                       | 8500      | 59000               | 60            | 170M4611                      | 170M4661                                   | 170M4711                        | 170M4761                                     |                |                          |          |
|                            | 400                       | 13500     | 91500               | 65            | 170M4612                      | 170M4662                                   | 170M4712                        | 170M4762                                     |                |                          |          |
|                            | 450                       | 17000     | 120000              | 70            | 170M4613                      | 170M4663                                   | 170M4713                        | 170M4763                                     |                |                          |          |
|                            | 500                       | 25000     | 170000              | 72            | 170M4614                      | 170M4664                                   | 170M4714                        | 170M4764                                     |                |                          |          |
|                            | 550                       | 34000     | 230000              | 75            | 170M4615                      | 170M4665                                   | 170M4715                        | 170M4765                                     |                |                          |          |
|                            | 630                       | 52000     | 350000              | 80            | 170M4616                      | 170M4666                                   | 170M4716                        | 170M4766                                     |                |                          |          |
|                            | 700                       | 69500     | 465000              | 85            | 170M4617                      | 170M4667                                   | 170M4717                        | 170M4767                                     |                |                          |          |
|                            | 800                       | 105000    | 725000              | 95            | 170M4618                      | 170M4668                                   | 170M4718                        | 170M4768                                     |                |                          |          |
| †900                       | 155000                    | †850000   | 100                 | 170M4619      | 170M4669                      | 170M4719                                   | 170M4769                        |                                              |                |                          |          |
| 2                          | 400                       | 11000     | 74000               | 65            | 170M5608                      | 170M5658                                   | 170M5708                        | 170M5758                                     | 1              | 0.630                    | 17056318 |
|                            | 450                       | 15500     | 105000              | 70            | 170M5609                      | 170M5659                                   | 170M5709                        | 170M5759                                     |                |                          |          |
|                            | 500                       | 21500     | 145000              | 75            | 170M5610                      | 170M5660                                   | 170M5710                        | 170M5760                                     |                |                          |          |
|                            | 550                       | 28000     | 190000              | 80            | 170M5611                      | 170M5661                                   | 170M5711                        | 170M5761                                     |                |                          |          |
|                            | 630                       | 41000     | 275000              | 90            | 170M5612                      | 170M5662                                   | 170M5712                        | 170M5762                                     |                |                          |          |
|                            | 700                       | 60500     | 405000              | 95            | 170M5613                      | 170M5663                                   | 170M5713                        | 170M5763                                     |                |                          |          |
|                            | 800                       | 86000     | 575000              | 105           | 170M5614                      | 170M5664                                   | 170M5714                        | 170M5764                                     |                |                          |          |
|                            | 900                       | 125000    | 840000              | 110           | 170M5615                      | 170M5665                                   | 170M5715                        | 170M5765                                     |                |                          |          |
|                            | 1000                      | 180000    | 1250000             | 115           | 170M5616                      | 170M5666                                   | 170M5716                        | 170M5766                                     |                |                          |          |
|                            | 1100                      | 245000    | 1600000             | 120           | 170M5617                      | 170M5667                                   | 170M5717                        | 170M5767                                     |                |                          |          |
|                            | 1250                      | 365000    | 2400000             | 130           | 170M5618                      | 170M5668                                   | 170M5718                        | 170M5768                                     |                |                          |          |
| 3                          | 500                       | 14000     | 95000               | 95            | 170M6608                      | 170M6658                                   | 170M6708                        | 170M6758                                     | 1              | 0.950                    | 17056320 |
|                            | 550                       | 19500     | 135000              | 100           | 170M6609                      | 170M6659                                   | 170M6709                        | 170M6759                                     |                |                          |          |
|                            | 630                       | 31000     | 210000              | 105           | 170M6610                      | 170M6660                                   | 170M6710                        | 170M6760                                     |                |                          |          |
|                            | 700                       | 44500     | 300000              | 110           | 170M6611                      | 170M6661                                   | 170M6711                        | 170M6761                                     |                |                          |          |
|                            | 800                       | 69500     | 465000              | 115           | 170M6612                      | 170M6662                                   | 170M6712                        | 170M6762                                     |                |                          |          |
|                            | 900                       | 100000    | 670000              | 120           | 170M6613                      | 170M6663                                   | 170M6713                        | 170M6763                                     |                |                          |          |
|                            | 1000                      | 140000    | 945000              | 125           | 170M6614                      | 170M6664                                   | 170M6714                        | 170M6764                                     |                |                          |          |
|                            | 1100                      | 190000    | 1300000             | 130           | 170M6615                      | 170M6665                                   | 170M6715                        | 170M6765                                     |                |                          |          |
|                            | 1250                      | 290000    | 1950000             | 140           | 170M6616                      | 170M6666                                   | 170M6716                        | 170M6766                                     |                |                          |          |
|                            | 1400                      | 370000    | 2450000             | 155           | 170M6617                      | 170M6667                                   | 170M6717                        | 170M6767                                     |                |                          |          |
|                            | 1500                      | 460000    | 3100000             | 160           | 170M6618                      | 170M6668                                   | 170M6718                        | 170M6768                                     |                |                          |          |
|                            | 1600                      | 580000    | 3900000             | 160           | 170M6619                      | 170M6669                                   | 170M6719                        | 170M6769                                     |                |                          |          |
|                            | †1800                     | 880000    | †5250000            | 165           | 170M6620                      | 170M6670                                   | 170M6720                        | 170M6770                                     |                |                          |          |
|                            | †2000                     | 1150000   | †6350000            | 175           | 170M6621                      | 170M6671                                   | 170M6721                        | 170M6771                                     |                |                          |          |

■ Interrupting rating 200kA (Estimated 300kA) RMS Symmetrical.

■ Watts loss provided at rated current.

■ Rated voltage (IEC) †600V †550V (Consult Bussmann for U.L. Recognition/ CSA Component Acceptance status.)

■ Microswitch indicator ordered separately.

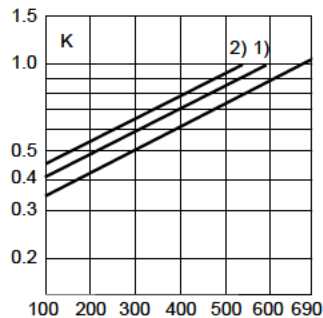
1 kg = 2.2 lbs. 1 lb = 0.45 kg



## Electrical Characteristics

### Total Clearing $I^2t$

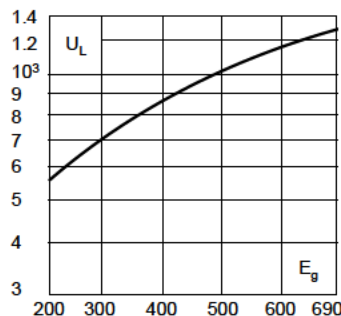
The total clearing  $I^2t$  at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing  $I^2t$  is found by multiplying by correction factor, K, given as a function of applied working voltage,  $E_g$ , (RMS).



1) Rated voltage 600V  
2) Rated voltage 550V

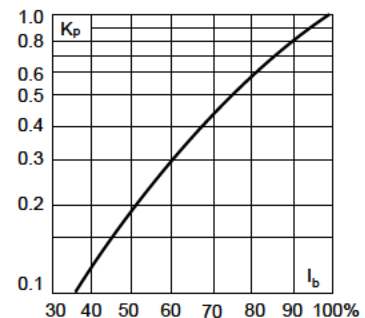
### Arc Voltage

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

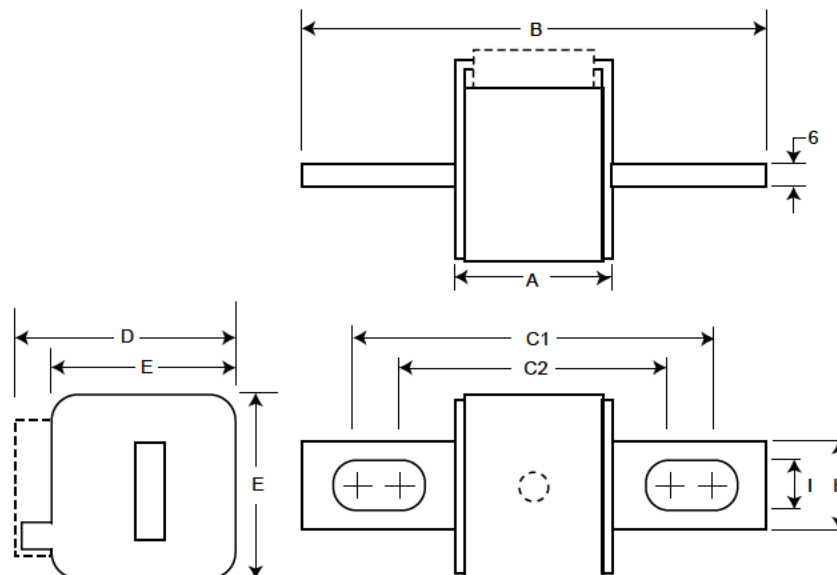
US Style: Type -FU/-, -FKE/-, FU/115-, -FKE/115

| Size | A  | B   | B <sup>§</sup> | C1  | C1 <sup>§</sup> | C2 | C2 <sup>§</sup> | D  | E  | H  | I  |
|------|----|-----|----------------|-----|-----------------|----|-----------------|----|----|----|----|
| 1*   | 50 | 110 | 148            | 85  | 123             | 72 | 110             | 59 | 45 | 20 | 10 |
| 1    | 50 | 136 | 157            | 104 | 126             | 78 | 100             | 69 | 53 | 25 | 14 |
| 2    | 50 | 135 | 159            | 105 | 125             | 78 | 99              | 77 | 61 | 25 | 14 |
| 3    | 51 | 135 | 155            | 106 | 125             | 77 | 97              | 92 | 76 | 36 | 16 |

<sup>§</sup>Valid for fuses type -FU/115 & -FKE/115

Dimension in mm.

1mm = 0.0394" 1" = 25.4mm



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