

Square Body – DIN 43 653

**690V/700V (IEC/U.L.) 40-2000A**

| Electrical Characteristics |                           |           |                     |               | Ordering Information                       |                                             |                |                          | Curves   |  |
|----------------------------|---------------------------|-----------|---------------------|---------------|--------------------------------------------|---------------------------------------------|----------------|--------------------------|----------|--|
| Size                       | Rated Current<br>RMS-Amps | I²t (A²S) |                     | Watts<br>Loss | -KN/80<br>Type K<br>Indicator<br>for Micro | -KN/110<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             | 170M3108                                   | 170M3258                                    | 5              | 1.60                     | 17056314 |  |
|                            | 50                        | 77        | 515                 | 11            | 170M3109                                   | 170M3259                                    |                |                          |          |  |
|                            | 63                        | 115       | 770                 | 14            | 170M3110                                   | 170M3260                                    |                |                          |          |  |
|                            | 80                        | 185       | 1250                | 18            | 170M3111                                   | 170M3261                                    |                |                          |          |  |
|                            | 100                       | 360       | 2450                | 21            | 170M3112                                   | 170M3262                                    |                |                          |          |  |
|                            | 125                       | 550       | 3700                | 26            | 170M3113                                   | 170M3263                                    |                |                          |          |  |
|                            | 160                       | 1100      | 7500                | 30            | 170M3114                                   | 170M3264                                    |                |                          |          |  |
|                            | 200                       | 2200      | 15000               | 35            | 170M3115                                   | 170M3265                                    |                |                          |          |  |
|                            | 250                       | 4200      | 28500               | 40            | 170M3116                                   | 170M3266                                    |                |                          |          |  |
|                            | 315                       | 7000      | 46500               | 50            | 170M3117                                   | 170M3267                                    |                |                          |          |  |
|                            | 350                       | 10000     | 68500               | 55            | 170M3118                                   | 170M3268                                    |                |                          |          |  |
|                            | 400                       | 15000     | 105000              | 60            | 170M3119                                   | 170M3269                                    |                |                          |          |  |
|                            | 450                       | 21000     | 140000              | 65            | 170M3120                                   | 170M3270                                    |                |                          |          |  |
|                            | 500                       | 27000     | 180000              | 70            | 170M3121                                   | 170M3271                                    |                |                          |          |  |
|                            | 550                       | 34000     | 230000              | 75            | 170M3122                                   | 170M3272                                    |                |                          |          |  |
|                            | 630                       | 48500     | 325000              | 80            | 170M3123                                   | 170M3273                                    |                |                          |          |  |
| 1                          | 200                       | 1650      | 11500               | 45            | 170M4108                                   | 170M4258                                    | 3<br>(-/80)    | 1.38                     | 17056316 |  |
|                            | 250                       | 3100      | 21000               | 55            | 170M4109                                   | 170M4259                                    |                |                          |          |  |
|                            | 315                       | 6200      | 42000               | 58            | 170M4110                                   | 170M4260                                    |                |                          |          |  |
|                            | 350                       | 8500      | 59000               | 60            | 170M4111                                   | 170M4261                                    | 2<br>(-/110)   | 1.00                     |          |  |
|                            | 400                       | 13500     | 91500               | 65            | 170M4112                                   | 170M4262                                    |                |                          |          |  |
|                            | 450                       | 17000     | 120000              | 70            | 170M4113                                   | 170M4263                                    |                |                          |          |  |
|                            | 500                       | 25000     | 170000              | 72            | 170M4114                                   | 170M4264                                    |                |                          |          |  |
|                            | 550                       | 34000     | 230000              | 75            | 170M4115                                   | 170M4265                                    |                |                          |          |  |
|                            | 630                       | 52000     | 350000              | 80            | 170M4116                                   | 170M4266                                    |                |                          |          |  |
|                            | 700                       | 69500     | 465000              | 85            | 170M4117                                   | 170M4267                                    |                |                          |          |  |
|                            | 800                       | 105000    | 725000              | 95            | 170M4118                                   | 170M4268                                    |                |                          |          |  |
|                            | †900                      | 155000    | †850000             | 100           | 170M4119                                   | 170M4269                                    |                |                          |          |  |
| 2                          | 400                       | 11000     | 74000               | 65            | 170M5108                                   | 170M5258                                    | 2              | 1.26                     | 17056318 |  |
|                            | 450                       | 15500     | 105000              | 70            | 170M5109                                   | 170M5259                                    |                |                          |          |  |
|                            | 500                       | 21500     | 145000              | 75            | 170M5110                                   | 170M5260                                    |                |                          |          |  |
|                            | 550                       | 28000     | 190000              | 80            | 170M5111                                   | 170M5261                                    |                |                          |          |  |
|                            | 630                       | 41000     | 275000              | 90            | 170M5112                                   | 170M5262                                    |                |                          |          |  |
|                            | 700                       | 60500     | 405000              | 95            | 170M5113                                   | 170M5263                                    |                |                          |          |  |
|                            | 800                       | 86000     | 575000              | 105           | 170M5114                                   | 170M5264                                    |                |                          |          |  |
|                            | 900                       | 125000    | 840000              | 110           | 170M5115                                   | 170M5265                                    |                |                          |          |  |
|                            | 1000                      | 180000    | 1250000             | 115           | 170M5116                                   | 170M5266                                    |                |                          |          |  |
|                            | 1100                      | 245000    | 1600000             | 120           | 170M5117                                   | 170M5267                                    |                |                          |          |  |
|                            | 1250                      | 365000    | 2400000             | 130           | 170M5118                                   | 170M5268                                    |                |                          |          |  |
| 3                          | 500                       | 14000     | 95000               | 95            | 170M6108                                   | 170M6258                                    | 1              | 0.92                     | 17056320 |  |
|                            | 550                       | 19500     | 135000              | 100           | 170M6109                                   | 170M6259                                    |                |                          |          |  |
|                            | 630                       | 31000     | 210000              | 105           | 170M6110                                   | 170M6260                                    |                |                          |          |  |
|                            | 700                       | 44500     | 300000              | 110           | 170M6111                                   | 170M6261                                    |                |                          |          |  |
|                            | 800                       | 69500     | 465000              | 115           | 170M6112                                   | 170M6262                                    |                |                          |          |  |
|                            | 900                       | 100000    | 670000              | 120           | 170M6113                                   | 170M6263                                    |                |                          |          |  |
|                            | 1000                      | 140000    | 945000              | 125           | 170M6114                                   | 170M6264                                    |                |                          |          |  |
|                            | 1100                      | 190000    | 1300000             | 130           | 170M6115                                   | 170M6265                                    |                |                          |          |  |
|                            | 1250                      | 290000    | 1950000             | 140           | 170M6116                                   | 170M6266                                    |                |                          |          |  |
|                            | 1400                      | 370000    | 2450000             | 155           | 170M6117                                   | 170M6267                                    |                |                          |          |  |
|                            | 1500                      | 460000    | 3100000             | 160           | 170M6118                                   | 170M6268                                    |                |                          |          |  |
|                            | 1600                      | 580000    | 3900000             | 160           | 170M6119                                   | 170M6269                                    |                |                          |          |  |
|                            | †1800                     | 880000    | †5250000            | 165           | 170M6120                                   | 170M6270                                    |                |                          |          |  |
|                            | ‡2000                     | 1150000   | ‡6350000            | 175           | 170M6121                                   | 170M6271                                    |                |                          |          |  |

■ 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.

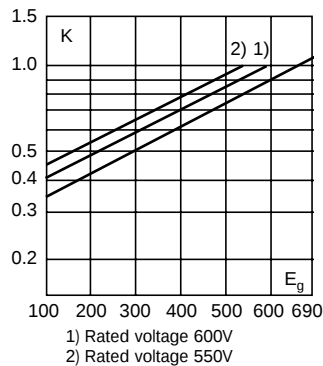
1 kg = 2.2 lbs. 1 lb = 0.45 kg



## Electrical Characteristics

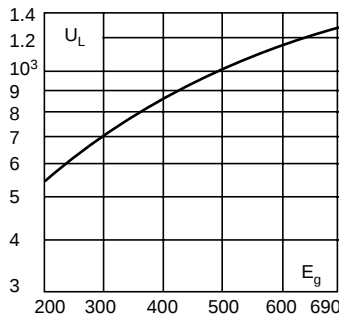
### Total Clearing $I^2t$

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).



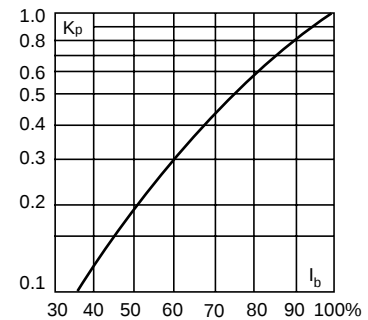
### Arc Voltage

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

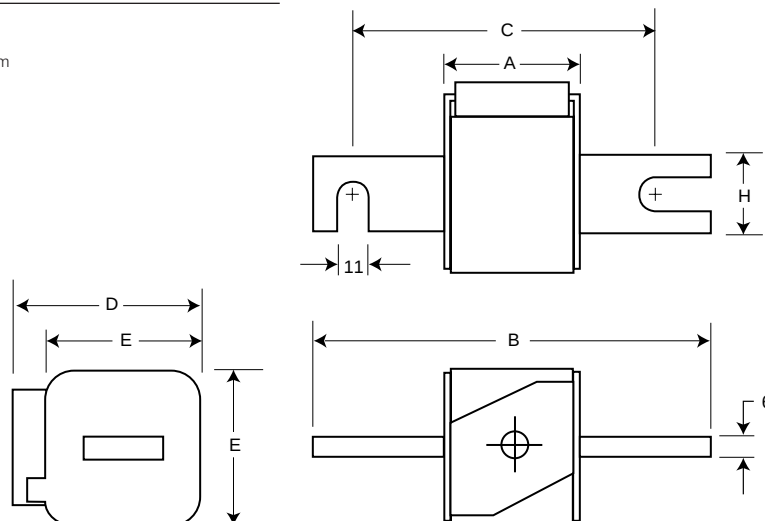
DIN 43 653: Type -KN/80, -KN/110

| Size | A  | B   | B $\bar{S}$ | C  | C $\bar{S}$ | D  | E  | H  |
|------|----|-----|-------------|----|-------------|----|----|----|
| 1*   | 50 | 104 | 134         | 78 | 108         | 59 | 45 | 22 |
| 1    | 50 | 108 | 138         | 78 | 108         | 69 | 53 | 25 |
| 2    | 50 | 108 | 138         | 78 | 108         | 77 | 61 | 25 |
| 3    | 51 | 109 | 139         | 78 | 108         | 92 | 76 | 30 |

\*Valid for fuse type -KN/110.

Dimension in mm.

1mm = 0.0394" 1" = 25.4mm



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- Поставка более 17-ти миллионов наименований электронных компонентов;
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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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