

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 | -/80<br>Visual<br>Indicator | -TN/80<br>Type T<br>Indicator<br>for Micro | -/110<br>Visual<br>Indicator | -TN/110<br>Type T<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             | 170M3008                    | 170M3058                                   | 170M3158                     | 170M3208                                    | 5              | 1.50                     | 17056314 |  |
|                            | 50                        | 77        | 515                 | 11            | 170M3009                    | 170M3059                                   | 170M3159                     | 170M3209                                    |                |                          |          |  |
|                            | 63                        | 115       | 770                 | 14            | 170M3010                    | 170M3060                                   | 170M3160                     | 170M3210                                    |                |                          |          |  |
|                            | 80                        | 185       | 1250                | 18            | 170M3011                    | 170M3061                                   | 170M3161                     | 170M3211                                    |                |                          |          |  |
|                            | 100                       | 360       | 2450                | 21            | 170M3012                    | 170M3062                                   | 170M3162                     | 170M3212                                    |                |                          |          |  |
|                            | 125                       | 550       | 3700                | 26            | 170M3013                    | 170M3063                                   | 170M3163                     | 170M3213                                    |                |                          |          |  |
|                            | 160                       | 1100      | 7500                | 30            | 170M3014                    | 170M3064                                   | 170M3164                     | 170M3214                                    |                |                          |          |  |
|                            | 200                       | 2200      | 15000               | 35            | 170M3015                    | 170M3065                                   | 170M3165                     | 170M3215                                    |                |                          |          |  |
|                            | 250                       | 4200      | 28500               | 40            | 170M3016                    | 170M3066                                   | 170M3166                     | 170M3216                                    |                |                          |          |  |
|                            | 315                       | 7000      | 46500               | 50            | 170M3017                    | 170M3067                                   | 170M3167                     | 170M3217                                    |                |                          |          |  |
|                            | 350                       | 10000     | 68500               | 55            | 170M3018                    | 170M3068                                   | 170M3168                     | 170M3218                                    |                |                          |          |  |
|                            | 400                       | 15000     | 105000              | 60            | 170M3019                    | 170M3069                                   | 170M3169                     | 170M3219                                    |                |                          |          |  |
|                            | 450                       | 21000     | 140000              | 65            | 170M3020                    | 170M3070                                   | 170M3170                     | 170M3220                                    |                |                          |          |  |
|                            | 500                       | 27000     | 180000              | 70            | 170M3021                    | 170M3071                                   | 170M3171                     | 170M3221                                    |                |                          |          |  |
|                            | 550                       | 34000     | 230000              | 75            | 170M3022                    | 170M3072                                   | 170M3172                     | 170M3222                                    |                |                          |          |  |
|                            | 630                       | 48500     | 325000              | 80            | 170M3023                    | 170M3073                                   | 170M3173                     | 170M3223                                    |                |                          |          |  |
| 1                          | 200                       | 1650      | 11500               | 45            | 170M4008                    | 170M4058                                   | 170M4158                     | 170M4208                                    | 3<br>(-/80)    | 1.29                     | 17056316 |  |
|                            | 250                       | 3100      | 21000               | 55            | 170M4009                    | 170M4059                                   | 170M4159                     | 170M4209                                    |                |                          |          |  |
|                            | 315                       | 6200      | 42000               | 58            | 170M4010                    | 170M4060                                   | 170M4160                     | 170M4210                                    |                |                          |          |  |
|                            | 350                       | 8500      | 59000               | 60            | 170M4011                    | 170M4061                                   | 170M4161                     | 170M4211                                    |                |                          |          |  |
|                            | 400                       | 13500     | 91500               | 65            | 170M4012                    | 170M4062                                   | 170M4162                     | 170M4212                                    | 2<br>(-/110)   | 0.94                     |          |  |
|                            | 450                       | 17000     | 120000              | 70            | 170M4013                    | 170M4063                                   | 170M4163                     | 170M4213                                    |                |                          |          |  |
|                            | 500                       | 25000     | 170000              | 72            | 170M4014                    | 170M4064                                   | 170M4164                     | 170M4214                                    |                |                          |          |  |
|                            | 550                       | 34000     | 230000              | 75            | 170M4015                    | 170M4065                                   | 170M4165                     | 170M4215                                    |                |                          |          |  |
|                            | 630                       | 52000     | 350000              | 80            | 170M4016                    | 170M4066                                   | 170M4166                     | 170M4216                                    |                |                          |          |  |
|                            | 700                       | 69500     | 465000              | 85            | 170M4017                    | 170M4067                                   | 170M4167                     | 170M4217                                    |                |                          |          |  |
|                            | 800                       | 105000    | 725000              | 95            | 170M4018                    | 170M4068                                   | 170M4168                     | 170M4218                                    |                |                          |          |  |
|                            | ‡900                      | 155000    | ‡850000             | 100           | 170M4019                    | 170M4069                                   | 170M4169                     | 170M4219                                    |                |                          |          |  |
| 2                          | 400                       | 11000     | 74000               | 65            | 170M5008                    | 170M5058                                   | 170M5158                     | 170M5208                                    | 2              | 1.20                     | 17056318 |  |
|                            | 450                       | 15500     | 105000              | 70            | 170M5009                    | 170M5059                                   | 170M5159                     | 170M5209                                    |                |                          |          |  |
|                            | 500                       | 21500     | 145000              | 75            | 170M5010                    | 170M5060                                   | 170M5160                     | 170M5210                                    |                |                          |          |  |
|                            | 550                       | 28000     | 190000              | 80            | 170M5011                    | 170M5061                                   | 170M5161                     | 170M5211                                    |                |                          |          |  |
|                            | 630                       | 41000     | 275000              | 90            | 170M5012                    | 170M5062                                   | 170M5162                     | 170M5212                                    |                |                          |          |  |
|                            | 700                       | 60500     | 405000              | 95            | 170M5013                    | 170M5063                                   | 170M5163                     | 170M5213                                    |                |                          |          |  |
|                            | 800                       | 86000     | 575000              | 105           | 170M5014                    | 170M5064                                   | 170M5164                     | 170M5214                                    |                |                          |          |  |
|                            | 900                       | 125000    | 840000              | 110           | 170M5015                    | 170M5065                                   | 170M5165                     | 170M5215                                    |                |                          |          |  |
|                            | 1000                      | 180000    | 1250000             | 115           | 170M5016                    | 170M5066                                   | 170M5166                     | 170M5216                                    |                |                          |          |  |
|                            | 1100                      | 245000    | 1600000             | 120           | 170M5017                    | 170M5067                                   | 170M5167                     | 170M5217                                    |                |                          |          |  |
| 1250                       | 365000                    | 2400000   | 130                 | 170M5018      | 170M5068                    | 170M5168                                   | 170M5218                     |                                             |                |                          |          |  |
| 3                          | 500                       | 14000     | 95000               | 95            | 170M6008                    | 170M6058                                   | 170M6158                     | 170M6208                                    | 2<br>(-/80)    | 1.66                     | 17056320 |  |
|                            | 550                       | 19500     | 135000              | 100           | 170M6009                    | 170M6059                                   | 170M6159                     | 170M6209                                    |                |                          |          |  |
|                            | 630                       | 31000     | 210000              | 105           | 170M6010                    | 170M6060                                   | 170M6160                     | 170M6210                                    |                |                          |          |  |
|                            | 700                       | 44500     | 300000              | 110           | 170M6011                    | 170M6061                                   | 170M6161                     | 170M6211                                    |                |                          |          |  |
|                            | 800                       | 69500     | 465000              | 115           | 170M6012                    | 170M6062                                   | 170M6162                     | 170M6212                                    | 1<br>(-/110)   | 0.89                     |          |  |
|                            | 900                       | 100000    | 670000              | 120           | 170M6013                    | 170M6063                                   | 170M6163                     | 170M6213                                    |                |                          |          |  |
|                            | 1000                      | 140000    | 945000              | 125           | 170M6014                    | 170M6064                                   | 170M6164                     | 170M6214                                    |                |                          |          |  |
|                            | 1100                      | 190000    | 1300000             | 130           | 170M6015                    | 170M6065                                   | 170M6165                     | 170M6215                                    |                |                          |          |  |
|                            | 1250                      | 290000    | 1950000             | 140           | 170M6016                    | 170M6066                                   | 170M6166                     | 170M6216                                    |                |                          |          |  |
|                            | 1400                      | 370000    | 2450000             | 155           | 170M6017                    | 170M6067                                   | 170M6167                     | 170M6217                                    |                |                          |          |  |
|                            | 1500                      | 460000    | 3100000             | 160           | 170M6018                    | 170M6068                                   | 170M6168                     | 170M6218                                    |                |                          |          |  |
|                            | 1600                      | 580000    | 3900000             | 160           | 170M6019                    | 170M6069                                   | 170M6169                     | 170M6219                                    |                |                          |          |  |
|                            | ‡1800                     | 880000    | ‡5250000            | 165           | 170M6020                    | 170M6070                                   | 170M6170                     | 170M6220                                    |                |                          |          |  |
|                            | ‡2000                     | 1150000   | ‡6350000            | 175           | 170M6021                    | 170M6071                                   | 170M6171                     | 170M6221                                    |                |                          |          |  |

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

1 kg = 2.2 lbs. 1 lb = 0.45 kg

■ Watts loss provided at rated current.

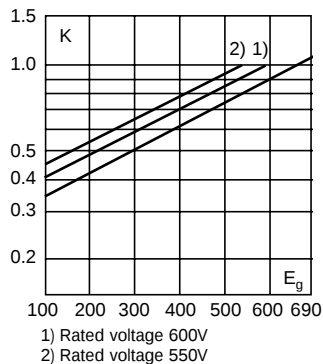
■ Rated voltage (IEC) †600V ‡550V (Consult Bussmann for U.L. Recognition/ CSA Component Acceptance status.)

■ Microswitch indicator ordered separately.

## Electrical Characteristics

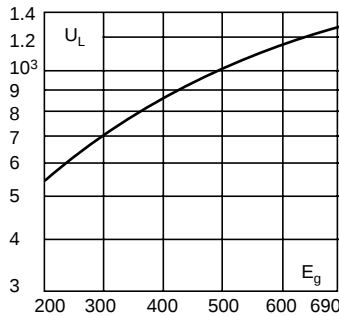
### Total Clearing $I^2t$

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).



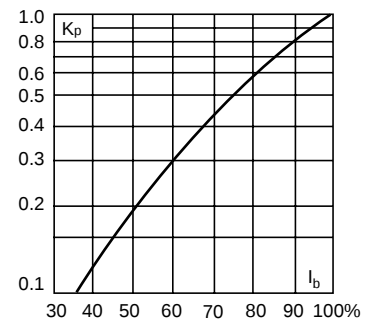
### Arc Voltage

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

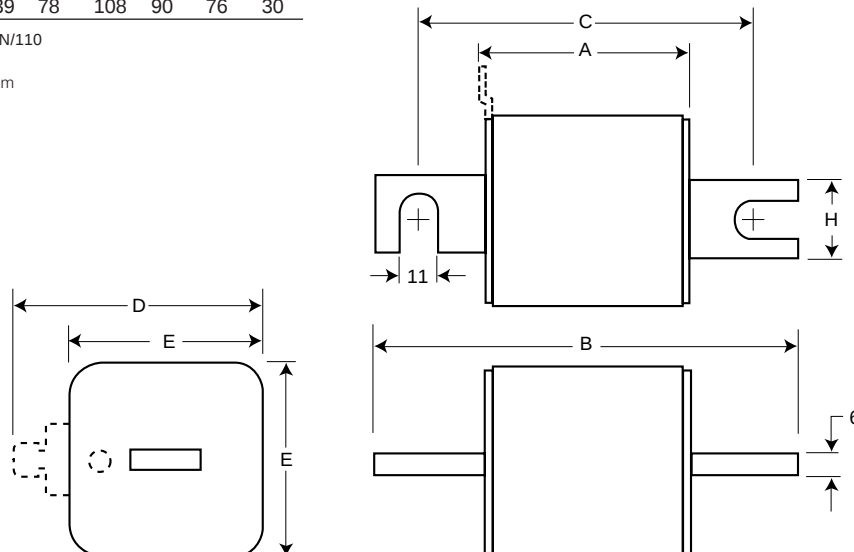
DIN 43 653: Type -/80, -TN/80, -/110, -TN/110

| Size | A  | B   | B\$ | C  | C\$ | D  | E  | H  |
|------|----|-----|-----|----|-----|----|----|----|
| 1*   | 50 | 104 | 134 | 78 | 108 | 58 | 45 | 22 |
| 1    | 50 | 108 | 138 | 78 | 108 | 66 | 53 | 25 |
| 2    | 50 | 108 | 138 | 78 | 108 | 75 | 61 | 25 |
| 3    | 51 | 109 | 139 | 78 | 108 | 90 | 76 | 30 |

\$Valid for fuses type -/110, -TN/110

Dimension in mm.

1mm = 0.0394" 1" = 25.4mm



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- 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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- 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 оптимального решения, техническое обоснование при выборе компонента;
- 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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