

Square Body – DIN 43 653

**690V (IEC/U.L.) 10-400A**



| Electrical Characteristics |                           |              |                     |               |                               | Ordering Information        |                                            |                |                          | Curves   |  |
|----------------------------|---------------------------|--------------|---------------------|---------------|-------------------------------|-----------------------------|--------------------------------------------|----------------|--------------------------|----------|--|
| Size                       | Rated Current<br>RMS-Amps | I²t (A² Sec) |                     | Watts<br>Loss | -U/80<br>Without<br>Indicator | -/80<br>Visual<br>Indicator | -TN/80<br>Type T<br>Indicator<br>for Micro | Carton<br>Qty. | Carton<br>Weight<br>(kg) | BIF #    |  |
|                            |                           | Pre-arc      | Clearing<br>at 660V |               |                               |                             |                                            |                |                          |          |  |
| 000                        | 10                        | 3.8          | 25.5                | 3.0           | 170M1308                      | 170M1358                    | 170M1408                                   | 10             | 1.34                     | 17056310 |  |
|                            | 16                        | 7.2          | 48                  | 5.5           | 170M1309                      | 170M1359                    | 170M1409                                   |                |                          |          |  |
|                            | 20                        | 11.5         | 78                  | 7             | 170M1310                      | 170M1360                    | 170M1410                                   |                |                          |          |  |
|                            | 25                        | 19           | 130                 | 9             | 170M1311                      | 170M1361                    | 170M1411                                   |                |                          |          |  |
|                            | 32                        | 40           | 270                 | 10            | 170M1312                      | 170M1362                    | 170M1412                                   |                |                          |          |  |
|                            | 40                        | 69           | 460                 | 12            | 170M1313                      | 170M1363                    | 170M1413                                   |                |                          |          |  |
|                            | 50                        | 115          | 770                 | 15            | 170M1314                      | 170M1364                    | 170M1414                                   |                |                          |          |  |
|                            | 63                        | 215          | 1450                | 16            | 170M1315                      | 170M1365                    | 170M1415                                   |                |                          |          |  |
|                            | 80                        | 380          | 2550                | 19            | 170M1316                      | 170M1366                    | 170M1416                                   |                |                          |          |  |
|                            | 100                       | 695          | 4650                | 24            | 170M1317                      | 170M1367                    | 170M1417                                   |                |                          |          |  |
|                            | 125                       | 1200         | 8500                | 28            | 170M1318                      | 170M1368                    | 170M1418                                   |                |                          |          |  |
|                            | 160                       | 2300         | 16000               | 32            | 170M1319                      | 170M1369                    | 170M1419                                   |                |                          |          |  |
|                            | 200                       | 4200         | 28000               | 37            | 170M1320                      | 170M1370                    | 170M1420                                   |                |                          |          |  |
|                            | 250                       | 7750         | 51500               | 42            | 170M1321                      | 170M1371                    | 170M1421                                   |                |                          |          |  |
|                            | 315                       | 12000        | 80500               | 52            | 170M1322                      | 170M1372                    | 170M1422                                   |                |                          |          |  |
| 00                         | 25                        | 19           | 130                 | 6             |                               | 170M2608                    | 170M2658                                   | 5              | 1.05                     | 17056312 |  |
|                            | 32                        | 28.5         | 195                 | 7             |                               | 170M2609                    | 170M2659                                   |                |                          |          |  |
|                            | 40                        | 50           | 360                 | 9             |                               | 170M2610                    | 170M2660                                   |                |                          |          |  |
|                            | 50                        | 95           | 640                 | 10            |                               | 170M2611                    | 170M2661                                   |                |                          |          |  |
|                            | 63                        | 170          | 1200                | 12            |                               | 170M2612                    | 170M2662                                   |                |                          |          |  |
|                            | 80                        | 310          | 2100                | 15            |                               | 170M2613                    | 170M2663                                   |                |                          |          |  |
|                            | 100                       | 620          | 4150                | 20            |                               | 170M2614                    | 170M2664                                   |                |                          |          |  |
|                            | 125                       | 1000         | 6950                | 25            |                               | 170M2615                    | 170M2665                                   |                |                          |          |  |
|                            | 160                       | 1900         | 13000               | 30            |                               | 170M2616                    | 170M2666                                   |                |                          |          |  |
|                            | 200                       | 3400         | 23000               | 35            |                               | 170M2617                    | 170M2667                                   |                |                          |          |  |
|                            | 250                       | 6250         | 42000               | 45            |                               | 170M2618                    | 170M2668                                   |                |                          |          |  |
|                            | 315                       | 10000        | 68500               | 55            |                               | 170M2619                    | 170M2669                                   |                |                          |          |  |
|                            | 350                       | 13500        | 91500               | 60            |                               | 170M2620                    | 170M2670                                   |                |                          |          |  |
|                            | 400                       | 18000        | 125000              | 70            |                               | 170M2621                    | 170M2671                                   |                |                          |          |  |

† U.L. Recognition/CSA Component Acceptance on Size 000.

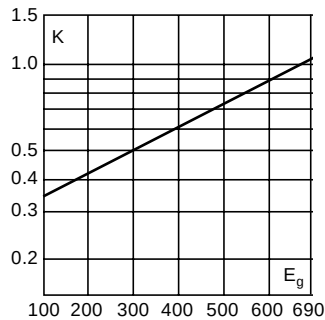
1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Interrupting rating 200kA (Estimated 300kA) RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch indicator ordered separately.

## Electrical Characteristics

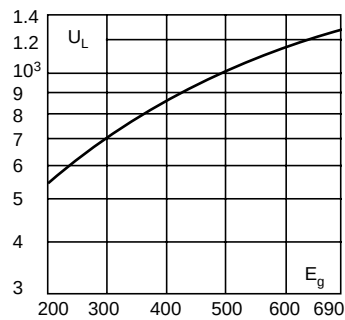
### Total Clearing I<sup>2</sup>t

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



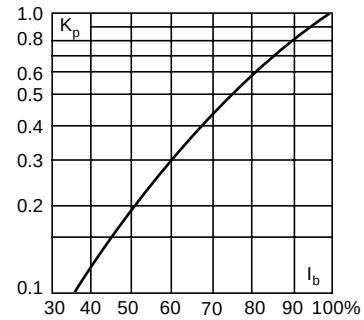
### Arc Voltage

This curve gives the peak arc voltage, U<sub>L</sub>, which may appear across the fuse during its operation as a function of the applied working voltage, E<sub>g</sub>, (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<sub>p</sub>, is given as a function of the RMS load current, I<sub>b</sub>, in % of the rated current.



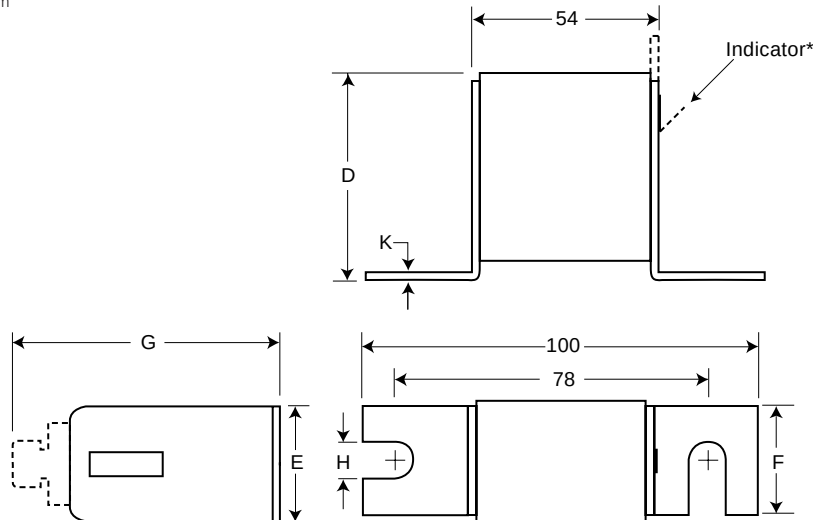
## Dimensions

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

| Size | D  | E  | F  | G  | H  | K |
|------|----|----|----|----|----|---|
| 000  | 40 | 21 | 20 | 51 | 8  | 2 |
| 00   | 51 | 30 | 28 | 67 | 10 | 2 |

Dimension in mm.

1mm = 0.0394" 1" = 25.4mm



\*Indication for Size 00 Fuses is a red pin

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