

Square Body – Flush End Contact

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



| Electrical Characteristics |                        |                                     |                  |                         | Ordering Information  |                                   |                       |                                   | Curves      |                    |          |
|----------------------------|------------------------|-------------------------------------|------------------|-------------------------|-----------------------|-----------------------------------|-----------------------|-----------------------------------|-------------|--------------------|----------|
| Size                       | Rated Current RMS-Amps | I <sup>2</sup> t (A <sup>2</sup> S) |                  | Losses at Rated Current | -B/- Visual Indicator | -BKN/- Type K Indicator for Micro | -G/- Visual Indicator | -GKN/- Type K Indicator for Micro | Carton Qty. | Carton Weight (kg) | BIF #    |
|                            |                        | Pre-arc                             | Clearing at 660V |                         |                       |                                   |                       |                                   |             |                    |          |
| 1*                         | 40                     | 40                                  | 270              | 9                       | 170M3408              | 170M3458                          | 170M3508              | 170M3558                          | 10 (-B/-)   | 2.40               | 17056314 |
|                            | 50                     | 77                                  | 515              | 11                      | 170M3409              | 170M3459                          | 170M3509              | 170M3559                          |             |                    |          |
|                            | 63                     | 115                                 | 770              | 14                      | 170M3410              | 170M3460                          | 170M3510              | 170M3560                          |             |                    |          |
|                            | 80                     | 185                                 | 1250             | 18                      | 170M3411              | 170M3461                          | 170M3511              | 170M3561                          |             |                    |          |
|                            | 100                    | 360                                 | 2450             | 21                      | 170M3412              | 170M3462                          | 170M3512              | 170M3562                          | 10 (-G/-)   | 2.40               |          |
|                            | 125                    | 550                                 | 3700             | 26                      | 170M3413              | 170M3463                          | 170M3513              | 170M3563                          |             |                    |          |
|                            | 160                    | 1100                                | 7500             | 30                      | 170M3414              | 170M3464                          | 170M3514              | 170M3564                          |             |                    |          |
|                            | 200                    | 2200                                | 15000            | 35                      | 170M3415              | 170M3465                          | 170M3515              | 170M3565                          |             |                    |          |
|                            | 250                    | 4200                                | 28500            | 40                      | 170M3416              | 170M3466                          | 170M3516              | 170M3566                          | 6 (-BKN/-)  | 1.62               |          |
|                            | 315                    | 7000                                | 46500            | 50                      | 170M3417              | 170M3467                          | 170M3517              | 170M3567                          |             |                    |          |
|                            | 350                    | 10000                               | 68500            | 55                      | 170M3418              | 170M3468                          | 170M3518              | 170M3568                          |             |                    |          |
|                            | 400                    | 15000                               | 105000           | 60                      | 170M3419              | 170M3469                          | 170M3519              | 170M3569                          |             |                    |          |
|                            | 450                    | 21000                               | 140000           | 65                      | 170M3420              | 170M3470                          | 170M3520              | 170M3570                          | 6 (-GKN/-)  | 1.62               |          |
|                            | 500                    | 27000                               | 180000           | 70                      | 170M3421              | 170M3471                          | 170M3521              | 170M3571                          |             |                    |          |
| 550                        | 34000                  | 230000                              | 75               | 170M3422                | 170M3472              | 170M3522                          | 170M3572              |                                   |             |                    |          |
| 630                        | 48500                  | 325000                              | 80               | 170M3423                | 170M3473              | 170M3523                          | 170M3573              |                                   |             |                    |          |
| 1                          | 200                    | 1650                                | 11500            | 45                      | 170M4408              | 170M4458                          | 170M4508              | 170M4558                          | 6           | 2.40               | 17056316 |
|                            | 250                    | 3100                                | 21000            | 55                      | 170M4409              | 170M4459                          | 170M4509              | 170M4559                          |             |                    |          |
|                            | 315                    | 6200                                | 42000            | 58                      | 170M4410              | 170M4460                          | 170M4510              | 170M4560                          |             |                    |          |
|                            | 350                    | 8500                                | 59000            | 60                      | 170M4411              | 170M4461                          | 170M4511              | 170M4561                          |             |                    |          |
|                            | 400                    | 13500                               | 91500            | 65                      | 170M4412              | 170M4462                          | 170M4512              | 170M4562                          |             |                    |          |
|                            | 450                    | 17000                               | 120000           | 70                      | 170M4413              | 170M4463                          | 170M4513              | 170M4563                          |             |                    |          |
|                            | 500                    | 25000                               | 170000           | 72                      | 170M4414              | 170M4464                          | 170M4514              | 170M4564                          |             |                    |          |
|                            | 550                    | 34000                               | 230000           | 75                      | 170M4415              | 170M4465                          | 170M4515              | 170M4565                          |             |                    |          |
|                            | 630                    | 52000                               | 350000           | 80                      | 170M4416              | 170M4466                          | 170M4516              | 170M4566                          |             |                    |          |
|                            | 700                    | 69500                               | 465000           | 85                      | 170M4417              | 170M4467                          | 170M4517              | 170M4567                          |             |                    |          |
|                            | 800                    | 105000                              | 725000           | 95                      | 170M4418              | 170M4468                          | 170M4518              | 170M4568                          |             |                    |          |
| †900                       | 155000                 | †850000                             | 100              | 170M4419                | 170M4469              | 170M4519                          | 170M4569              |                                   |             |                    |          |
| 2                          | 400                    | 11000                               | 74000            | 65                      | 170M5408              | 170M5458                          | 170M5508              | 170M5558                          | 6           | 3.30               | 17056318 |
|                            | 450                    | 15500                               | 105000           | 70                      | 170M5409              | 170M5459                          | 170M5509              | 170M5559                          |             |                    |          |
|                            | 500                    | 21500                               | 145000           | 75                      | 170M5410              | 170M5460                          | 170M5510              | 170M5560                          |             |                    |          |
|                            | 550                    | 28000                               | 190000           | 80                      | 170M5411              | 170M5461                          | 170M5511              | 170M5561                          |             |                    |          |
|                            | 630                    | 41000                               | 275000           | 90                      | 170M5412              | 170M5462                          | 170M5512              | 170M5562                          |             |                    |          |
|                            | 700                    | 60500                               | 405000           | 95                      | 170M5413              | 170M5463                          | 170M5513              | 170M5563                          |             |                    |          |
|                            | 800                    | 86000                               | 575000           | 105                     | 170M5414              | 170M5464                          | 170M5514              | 170M5564                          |             |                    |          |
|                            | 900                    | 125000                              | 840000           | 110                     | 170M5415              | 170M5465                          | 170M5515              | 170M5565                          |             |                    |          |
|                            | 1000                   | 180000                              | 1250000          | 115                     | 170M5416              | 170M5466                          | 170M5516              | 170M5566                          |             |                    |          |
|                            | 1100                   | 245000                              | 1600000          | 120                     | 170M5417              | 170M5467                          | 170M5517              | 170M5567                          |             |                    |          |
|                            | 1250                   | 365000                              | 2400000          | 130                     | 170M5418              | 170M5468                          | 170M5518              | 170M5568                          |             |                    |          |
| 3                          | 500                    | 14000                               | 95000            | 95                      | 170M6408              | 170M6458                          | 170M6508              | 170M6558                          | 3           | 2.52               | 17056320 |
|                            | 550                    | 19500                               | 135000           | 100                     | 170M6409              | 170M6459                          | 170M6509              | 170M6559                          |             |                    |          |
|                            | 630                    | 31000                               | 210000           | 105                     | 170M6410              | 170M6460                          | 170M6510              | 170M6560                          |             |                    |          |
|                            | 700                    | 44500                               | 300000           | 110                     | 170M6411              | 170M6461                          | 170M6511              | 170M6561                          |             |                    |          |
|                            | 800                    | 69500                               | 465000           | 115                     | 170M6412              | 170M6462                          | 170M6512              | 170M6562                          |             |                    |          |
|                            | 900                    | 100000                              | 670000           | 120                     | 170M6413              | 170M6463                          | 170M6513              | 170M6563                          |             |                    |          |
|                            | 1000                   | 140000                              | 945000           | 125                     | 170M6414              | 170M6464                          | 170M6514              | 170M6564                          |             |                    |          |
|                            | 1100                   | 190000                              | 1300000          | 130                     | 170M6415              | 170M6465                          | 170M6515              | 170M6565                          |             |                    |          |
|                            | 1250                   | 290000                              | 1950000          | 140                     | 170M6416              | 170M6466                          | 170M6516              | 170M6566                          |             |                    |          |
|                            | 1400                   | 370000                              | 2450000          | 155                     | 170M6417              | 170M6467                          | 170M6517              | 170M6567                          |             |                    |          |
|                            | 1500                   | 460000                              | 3100000          | 160                     | 170M6418              | 170M6468                          | 170M6518              | 170M6568                          |             |                    |          |
|                            | 1600                   | 580000                              | 3900000          | 160                     | 170M6419              | 170M6469                          | 170M6519              | 170M6569                          |             |                    |          |
|                            | †1800                  | 880000                              | †5250000         | 165                     | 170M6420              | 170M6470                          | 170M6520              | 170M6570                          |             |                    |          |
| †2000                      | 1150000                | †6350000                            | 175              | 170M6421                | 170M6471              | 170M6521                          | 170M6571              |                                   |             |                    |          |

- 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.

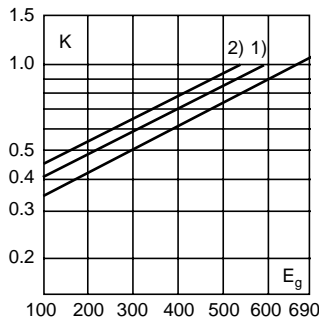
1 kg = 2.2 lbs. 1 lb = 0.45 kg



**Electrical Characteristics**

**Total Clearing I²t**

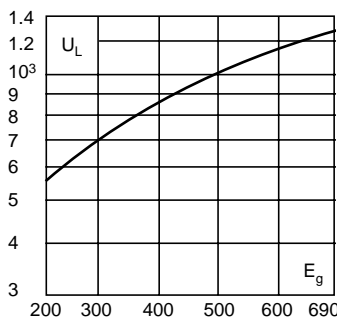
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E<sub>g</sub>, (RMS).



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

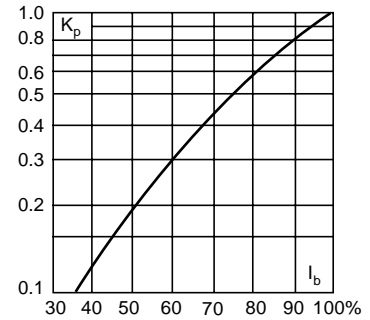
**Arc Voltage**

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**

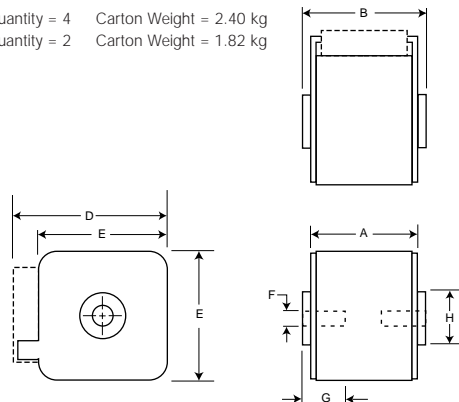
Flush End Contact: Type -B/-, -BKN/-, -G/-, -GKN/-

| Size | A  | B  | D  | E  | F   | F <sup>5</sup>    | G  | H   |
|------|----|----|----|----|-----|-------------------|----|-----|
| 1*   | 50 | 51 | 59 | 45 | M8  | 5/16" - 18 UNC-2B | 5  | ø17 |
| 1    | 50 | 51 | 69 | 53 | M8  | 5/16" - 18 UNC-2B | 8  | ø20 |
| 2    | 50 | 51 | 77 | 61 | M10 | 3/8" - 16 UNC-2B  | 10 | ø24 |
| 3    | 51 | 53 | 92 | 76 | M12 | 1/2" - 13 UNC-2B  | 10 | ø30 |

<sup>5</sup>Valid for fuses type -G/- & -GKN/-  
NB: B = 65 for Size 2, 1100-1250A  
Size 3, 1600-2000A

Carton Quantity = 4 Carton Weight = 2.40 kg  
Carton Quantity = 2 Carton Weight = 1.82 kg

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



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