

**Square Body - Flush End Contact**
**690V/700V (IEC/U.L.) 40-2000A**


| Electrical Characteristics |                           |           |                  |                            | Ordering Information     |                                      |                          |                                      |               |                    | Curves   |
|----------------------------|---------------------------|-----------|------------------|----------------------------|--------------------------|--------------------------------------|--------------------------|--------------------------------------|---------------|--------------------|----------|
| Size                       | Rated Current<br>RMS-Amps | I²t (A²S) |                  | Losses at<br>Rated Current | -B/-<br>Visual Indicator | -BKN/-<br>Type K Indicator for Micro | -G/-<br>Visual Indicator | -GKN/-<br>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<br>(-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<br>(-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<br>(-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<br>(-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                             | 4             | 2.4                |          |
|                            | 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                             | 2             | 1.82               |          |
|                            | †1800                     | 880000    | †5250000         | 165                        | 170M6420                 | 170M6470                             | 170M6520                 | 170M6570                             |               |                    |          |
|                            | †2000                     | 1150000   | †6350000         | 175                        | 170M6421                 | 170M6471                             | 170M6521                 | 170M6571                             |               |                    |          |
|                            |                           |           |                  |                            |                          |                                      |                          |                                      | 2             | 1.82               |          |

■ 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.)

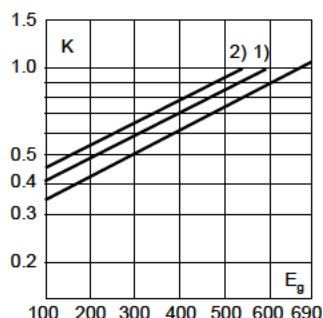
■ Microswitch indicator ordered separately.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

**Square Body – Flush End Contact**
**690V/700V (IEC/U.L.) 40-2000A**

**Electrical Characteristics**
**Total Clearing  $I^2t$** 

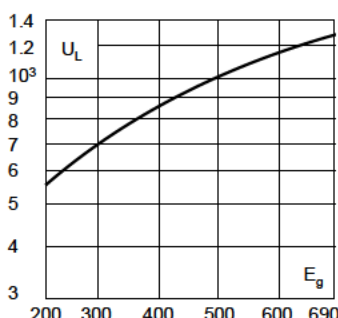
The total clearing  $I^2t$  at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing  $I^2t$  is found by multiplying by correction factor, K, given as a function of applied working voltage,  $E_g$ , (RMS).



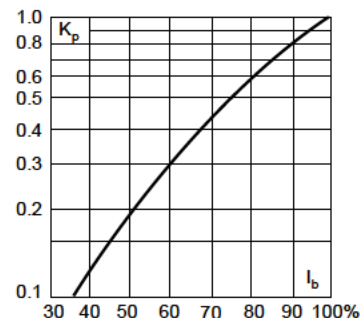
- 1) Rated voltage 600V  
2) Rated voltage 550V

**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**

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

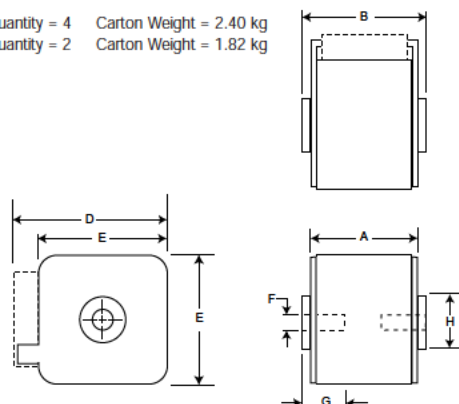
Size 3, 1600-2000A

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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