

## 170M — Square Body size 00 to 3, DIN 43620, full range (gR)

690 Vac (IEC), 10 to 800 A

Square body DIN 43653 blade high speed fuses. Full range protection fuses provide both overload and short-circuit protection. Fuses come with Type T indicator for a microswitch.

### Ratings

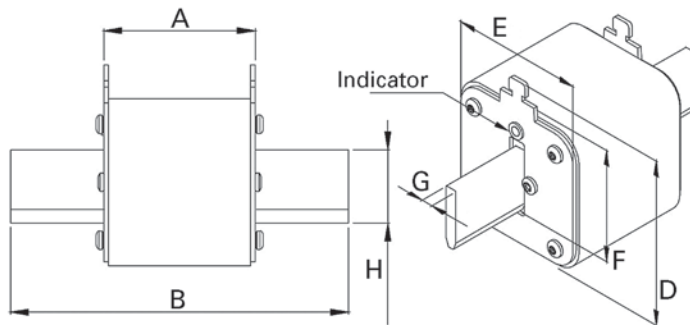
- Volts 690 Vac (IEC)
- Amps 10-800 A
- IR 200 kA RMS Sym.

### Operating class gR

### Agency information

- Designed and tested to IEC 60269 Part 4
- CE

### Dimensions — mm



| Size | A  | B    | D (max) | E (max) | F  | G | H (min) |
|------|----|------|---------|---------|----|---|---------|
| 00   | 49 | 78.5 | 60      | 30      | 35 | 6 | 15      |
| 1    | 68 | 135  | 66      | 52      | 40 | 6 | 20      |
| 2    | 68 | 150  | 74      | 60      | 48 | 6 | 25      |
| 3    | 68 | 150  | 89      | 75      | 60 | 6 | 32      |



For details on electrical characteristics, contact Application Engineering and ask for data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

**170M — Square Body size 00 to 3, DIN 43620, full range (gR)****690 Vac (IEC), 10 to 800 A**

| Fuse size | Rated voltage | Rated current (amps) <sup>1</sup> | I <sup>2</sup> t (A <sup>2</sup> s) |                     | Watts loss (W) <sup>†</sup> | Catalog no.<br>- Type T indicator for microswitch |
|-----------|---------------|-----------------------------------|-------------------------------------|---------------------|-----------------------------|---------------------------------------------------|
|           |               |                                   | Pre-arcing                          | Clearing at 690 Vac |                             |                                                   |
| 00        | 690 Vac (IEC) | 10                                | 3.8                                 | 20                  | 3.5                         | 170M2691                                          |
|           |               | 16                                | 7.2                                 | 38                  | 5.5                         | 170M2692                                          |
|           |               | 20                                | 13.0                                | 70                  | 6.0                         | 170M2693                                          |
|           |               | 25                                | 24.0                                | 125                 | 8.0                         | 170M2694                                          |
|           |               | 32                                | 53.0                                | 275                 | 9.0                         | 170M2695                                          |
|           |               | 40                                | 95.0                                | 490                 | 10.0                        | 170M2696                                          |
|           |               | 50                                | 185.0                               | 1000                | 11.0                        | 170M2697                                          |
|           |               | 63                                | 345.0                               | 1800                | 14.0                        | 170M2698                                          |
|           |               | 80                                | 695.0                               | 3600                | 16.0                        | 170M2699                                          |
|           |               | 100                               | 1250.0                              | 6650                | 19.0                        | 170M2700                                          |
|           |               | 125                               | 2300.0                              | 12,000              | 23.0                        | 170M2701                                          |
|           |               | 160                               | 4350.0                              | 22,500              | 29.0                        | 170M2702                                          |
| 1         | 690 Vac (IEC) | 50                                | 135.0                               | 705                 | 12.0                        | 170M4176                                          |
|           |               | 63                                | 245.0                               | 1300                | 15.0                        | 170M4177                                          |
|           |               | 80                                | 500.0                               | 2600                | 17.0                        | 170M4178                                          |
|           |               | 100                               | 950.0                               | 4850                | 20.0                        | 170M4179                                          |
|           |               | 125                               | 1850.0                              | 9500                | 23.0                        | 170M4180                                          |
|           |               | 160                               | 3450.0                              | 18,000              | 28.0                        | 170M4181                                          |
|           |               | 200                               | 6750.0                              | 34,500              | 31.0                        | 170M4182                                          |
|           |               | 250                               | 13,500.0                            | 70,500              | 35.0                        | 170M4183                                          |
|           |               | 315                               | 26,000.0                            | 135,000             | 41.0                        | 170M4184                                          |
|           |               | 350                               | 34,000.0                            | 175,000             | 45.0                        | 170M4185                                          |
|           |               | 400                               | 48,500.0                            | 250,000             | 48.0                        | 170M4186                                          |
| 2         | 690 Vac (IEC) | 200                               | 5650.0                              | 29,000              | 33.0                        | 170M5881                                          |
|           |               | 250                               | 10,000.0                            | 52,500              | 40.0                        | 170M5882                                          |
|           |               | 315                               | 19,500.0                            | 105,000             | 46.0                        | 170M5883                                          |
|           |               | 350                               | 26,000.0                            | 135,000             | 50.0                        | 170M5884                                          |
|           |               | 400                               | 39,500.0                            | 205,000             | 53.0                        | 170M5885                                          |
|           |               | 450                               | 55,500.0                            | 290,000             | 59.0                        | 170M5886                                          |
|           |               | 500                               | 73,000.0                            | 375,000             | 66.0                        | 170M5887                                          |
|           |               | 550                               | 100,000.0                           | 515,000             | 70.0                        | 170M5888                                          |
|           |               | 630                               | 150,000.0                           | 770,000             | 79.0                        | 170M5889                                          |
| 3         | 690 Vac (IEC) | 350                               | 23,000.0                            | 120,000             | 55.0                        | 170M6080                                          |
|           |               | 400                               | 34,000.0                            | 175,000             | 59.0                        | 170M6081                                          |
|           |               | 450                               | 48,500.0                            | 250,000             | 62.0                        | 170M6082                                          |
|           |               | 500                               | 64,000.0                            | 330,000             | 67.0                        | 170M6083                                          |
|           |               | 550                               | 84,500.0                            | 435,000             | 70.0                        | 170M6084                                          |
|           |               | 630                               | 125,000.0                           | 645,000             | 85.0                        | 170M6085                                          |
|           |               | 700                               | 160,000.0                           | 840,000             | 93.0                        | 170M6086                                          |
|           |               | 800                               | 245,000.0                           | 1,300,000           | 99.0                        | 170M6087                                          |

<sup>†</sup> Watts loss at rated current.<sup>1</sup> The RMS Amp rating of this fuses range is given with open fuse blocks connected to copper conductors according to IEC 60269, Part 1, table 10. When used in enclosed fuse blocks/disconnects, derating factors have to be observed. Please contact Eaton's Bussmann Division for application assistance [bulehighspeedtechnical@eaton.com](mailto:bulehighspeedtechnical@eaton.com).

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