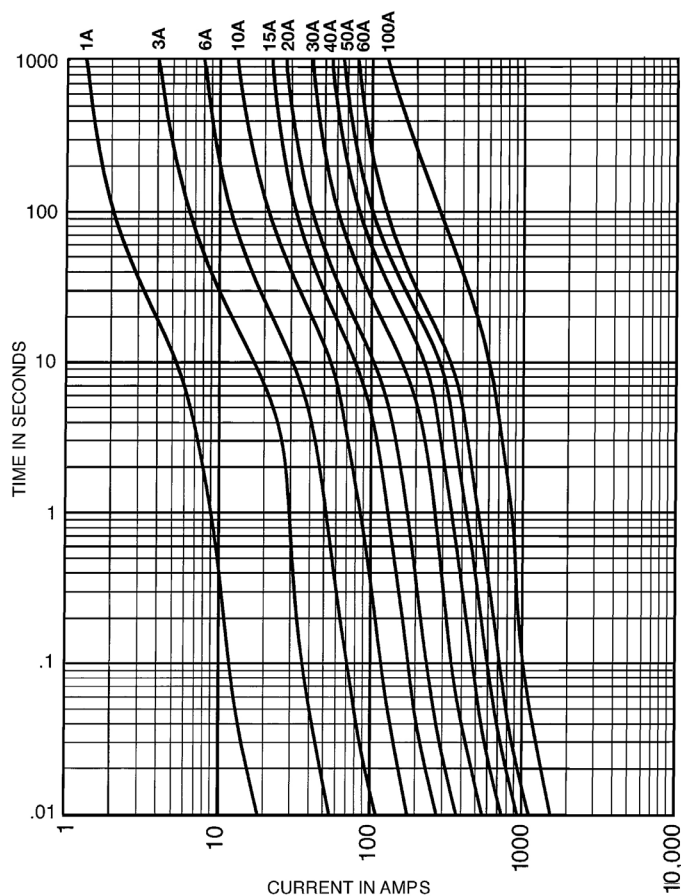
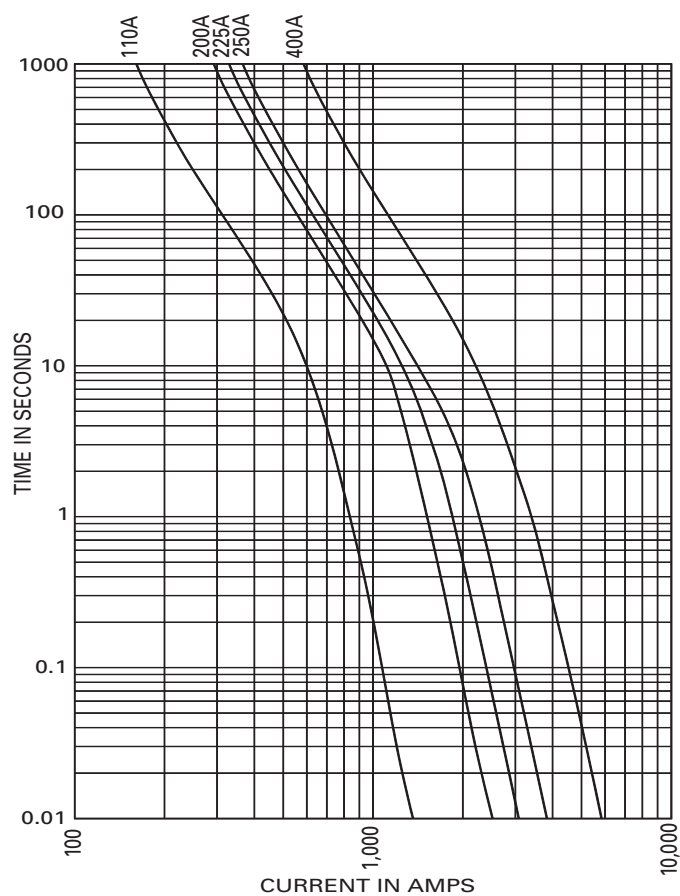


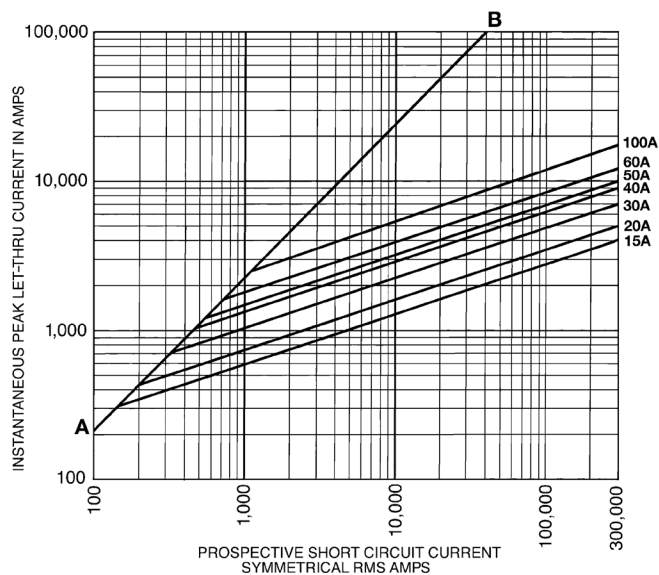
Up to 100 A time-current characteristics — average melt



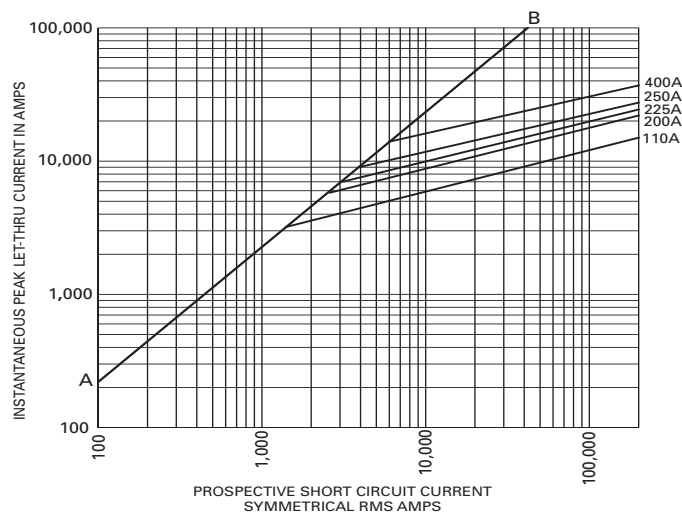
110 to 400 A time-current characteristics — average melt



Up to 100 A current let-through curves



110 to 400 A current let-through curves



Motor sizing table (from NEC Tables 430.248 and 430.250)

Bussmann series TCF Low-Peak time-delay Class CF fuses

| Voltage          | Motor size (Hp) | Motor FLA (amps) | Min (amps) | NEC code max (amps) | Heavy start* (amps) |
|------------------|-----------------|------------------|------------|---------------------|---------------------|
| 115 Vac, 1-phase | 0.167           | 4.4              | 10         | 10                  | 10                  |
|                  | 0.25            | 5.8              | 10         | 15                  | 15                  |
|                  | 0.333           | 7.2              | 15         | 15                  | 15                  |
|                  | 0.5             | 9.8              | 15         | 20                  | 20                  |
|                  | 0.75            | 13.8             | 25         | 25                  | 30                  |
|                  | 1               | 16               | 25         | 30                  | 35                  |
|                  | 1.5             | 20               | 30         | 35                  | 45                  |
|                  | 2               | 24               | 40         | 45                  | 50                  |
|                  | 3               | 34               | 50         | 60                  | 70                  |
|                  | 5**             | 56               | 90         | 100                 | 125                 |
|                  | 7.5             | 80               | 125        | 150                 | 175                 |
|                  | 10              | 100              | 150        | 175                 | 225                 |
| 230 Vac, 1-phase | 0.167           | 2.2              | 6          | 6                   | 6                   |
|                  | 0.25            | 2.9              | 6          | 6                   | 6                   |
|                  | 0.333           | 3.6              | 6          | 10                  | 10                  |
|                  | 0.5             | 4.9              | 10         | 10                  | 10                  |
|                  | 0.75            | 6.9              | 15         | 15                  | 15                  |
|                  | 1               | 8                | 15         | 15                  | 17.5                |
|                  | 1.5             | 10               | 15         | 20                  | 20                  |
|                  | 2               | 12               | 20         | 25                  | 25                  |
|                  | 3               | 17               | 25         | 30                  | 35                  |
|                  | 5               | 28               | 45         | 50                  | 60                  |
|                  | 7.5             | 40               | 60         | 70                  | 90                  |
|                  | 10**            | 50               | 80         | 90                  | 110                 |
| 200 Vac, 3-phase | 0.5             | 2.5              | 6          | 6                   | 6                   |
|                  | 0.75            | 3.7              | 6          | 10                  | 10                  |
|                  | 1               | 4.8              | 10         | 10                  | 10                  |
|                  | 1.5             | 6.9              | 15         | 15                  | 15                  |
|                  | 2               | 7.8              | 15         | 15                  | 17.5                |
|                  | 3               | 11               | 17.5       | 20                  | 20                  |
|                  | 5               | 17.5             | 30         | 35                  | 35                  |
|                  | 7.5             | 25.3             | 40         | 45                  | 50                  |
|                  | 20**            | 62.1             | 100        | 110                 | 125                 |
|                  | 25              | 78.2             | 125        | 150                 | 175                 |
|                  | 30              | 92               | 150        | 175                 | 200                 |
|                  | 40              | 120              | 200        | 225                 | 250                 |
|                  | 50              | 150              | 225        | 300                 | 300                 |
|                  | 60              | 177              | 300        | 350                 | 350                 |

**Note:** Use NEC code max column for low to moderate reverse/jog/plug applications.

\* Heavy Start permitted only if NEC code max does not allow motor start-up.

\*\*If equipment terminations are rated for 60°C conductors only, the 60°C conductor ampacities must be utilized and therefore larger conductor sizes or conduit sizes may be required.

| Voltage          | Motor size (Hp) | Motor FLA (amps) | Min (amps) | NEC code max (amps) | Heavy start* (amps) |
|------------------|-----------------|------------------|------------|---------------------|---------------------|
| 208 Vac, 3-phase | 0.5             | 2.4              | 6          | 6                   | 6                   |
|                  | 0.75            | 3.5              | 6          | 10                  | 10                  |
|                  | 1               | 4.6              | 10         | 10                  | 10                  |
|                  | 1.5             | 6.6              | 10         | 15                  | 15                  |
|                  | 2               | 7.5              | 15         | 15                  | 15                  |
|                  | 3               | 10.6             | 17.5       | 20                  | 20                  |
|                  | 5               | 16.7             | 25         | 30                  | 35                  |
|                  | 7.5             | 24.2             | 40         | 45                  | 50                  |
|                  | 20**            | 59.4             | 90         | 110                 | 125                 |
|                  | 25              | 74.8             | 125        | 150                 | 150                 |
|                  | 30              | 88               | 150        | 175                 | 175                 |
|                  | 40              | 114              | 175        | 200                 | 250                 |
| 230 Vac, 3-phase | 50              | 143              | 225        | 300                 | 300                 |
|                  | 60              | 169              | 300        | 300                 | 350                 |
|                  | 0.5             | 2.2              | 6          | 6                   | 6                   |
|                  | 0.75            | 3.2              | 6          | 6                   | 6                   |
|                  | 1               | 4.2              | 10         | 10                  | 10                  |
|                  | 1.5             | 6                | 10         | 15                  | 15                  |
|                  | 2               | 6.8              | 15         | 15                  | 15                  |
|                  | 3               | 9.6              | 15         | 20                  | 20                  |
|                  | 5               | 15.2             | 25         | 30                  | 30                  |
|                  | 7.5             | 22               | 35         | 40                  | 45                  |
|                  | 20**            | 54               | 90         | 100                 | 110                 |
|                  | 25              | 68               | 110        | 125                 | 150                 |
| 460 Vac, 3-phase | 30              | 80               | 125        | 150                 | 175                 |
|                  | 40              | 104              | 175        | 200                 | 225                 |
|                  | 50              | 130              | 200        | 250                 | 250                 |
|                  | 60              | 154              | 250        | 300                 | 300                 |
|                  | 75              | 192              | 300        | 350                 | 400                 |
|                  | 0.5             | 1.1              | 3          | 3                   | 3                   |
|                  | 0.75            | 1.6              | 3          | 3                   | 3                   |
|                  | 1               | 2.1              | 6          | 6                   | 6                   |
|                  | 1.5             | 3                | 6          | 6                   | 6                   |
|                  | 2               | 3.4              | 6          | 6                   | 6                   |
|                  | 3               | 4.8              | 10         | 10                  | 10                  |
|                  | 5               | 7.6              | 15         | 15                  | 15                  |
|                  | 7.5             | 11               | 17.5       | 20                  | 20                  |
|                  | 10              | 14               | 25         | 25                  | 30                  |
|                  | 15              | 21               | 35         | 40                  | 45                  |
|                  | 20              | 27               | 40         | 50                  | 60                  |
|                  | 50**            | 65               | 100        | 125                 | 125                 |
|                  | 60              | 77               | 125        | 150                 | 150                 |
|                  | 75              | 96               | 150        | 175                 | 200                 |
|                  | 100             | 124              | 200        | 225                 | 250                 |
|                  | 125             | 156              | 250        | 300                 | 350                 |
|                  | 150             | 180              | 300        | 350                 | 400                 |

**Note:** Use NEC code max column for low to moderate reverse/jog/plug applications.

\* Heavy Start permitted only if NEC code max does not allow motor start-up.

\*\*If equipment terminations are rated for 60°C conductors only, the 60°C conductor ampacities must be utilized and therefore larger conductor sizes or conduit sizes may be required.