

E-Rated DIN medium voltage fuses, 5.5 to 38 kV, 10 to 450 amps



Catalog symbols:

- 55GDMSJ_E
- 55GFMSJ_E
- 155GXQSJ_E
- 175GDMSJ_E
- 175GFMSJ_E
- 175GXMSJ_E
- 175GXQSJ_E
- 258GDQSJ_E
- 258GXQSJ_E
- 258GXZSJ_E
- 38GFZSJ_E
- 38GCZSJ_E

Description:

Bussmann™ series DIN dimensioned E-Rated medium voltage power fuses with striker for indoor use. Available in general purpose (5.5 to 17.5 kV) and full range (25.8 to 38 kV) versions.

Specifications:

Ratings

- Volts 5.5 - 38 kV
- Amps: 10 - 450
- Interrupting rating: 25 - 65 kA

Agency information

- General purpose E-Rated per ANSI C37.46 (5.5 to 17.5 kV)
- Full range E-Rated per ANSI C37.40 (25.8 to 38 kV)

Striker force

- 50 N (11 Lbs)

Recommended fuseclips

See page 13 for dimensions.

| Amp range | Description | Catalog no. |
|-------------|--|-------------|
| Up to 200 A | Enclosed fuseclip with wingnut tensioner | A33574745* |
| Up to 200 A | Open fuseclip with spring tensioner | 270303 |

* Not sold in pairs.

Features and benefits

- Cool running for lower watts loss
- 100% X-ray inspected to help assure fuse integrity
- Striker provides visual indication of fuse operation or a means to activate a remote monitoring system

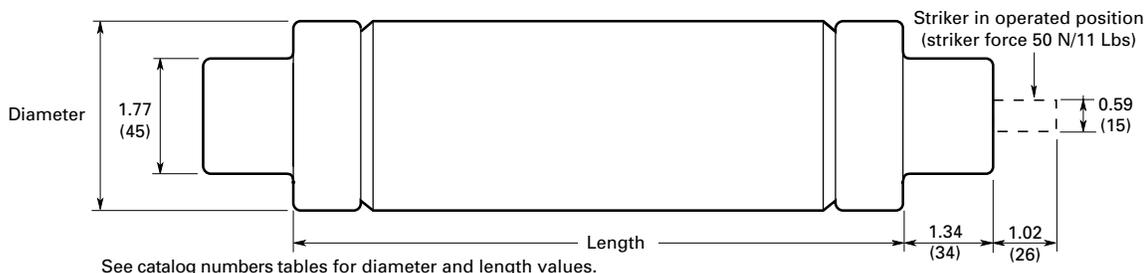
Typical applications

- Primary protection for medium voltage transformers and switch gear
- Protection of medium voltage feeder circuits
- Direct OEM replacement fuses for many popular manufacturers

Catalog numbers — general purpose versions

| Catalog numbers | Amps | Interrupting rating (Sym. kA) | Dimensions — in (mm) | | | |
|-----------------|------|-------------------------------|----------------------|----------|------------|--------|
| | | | Length | Diameter | | |
| 5.5 kV | | | | | | |
| 55GDMSJ10E | 10 | 65 | 17.4 (442) | 2 (51) | | |
| 55GDMSJ15E | 15 | | | | | |
| 55GDMSJ20E | 20 | | | | | |
| 55GDMSJ25E | 25 | | | | | |
| 55GDMSJ30E | 30 | | | | | |
| 55GDMSJ40E | 40 | | | | | |
| 55GDMSJ50E | 50 | | 17.4 (442) | 3 (76) | | |
| 55GDMSJ65E | 65 | | | | | |
| 55GDMSJ80E | 80 | | | | | |
| 55GDMSJ100E | 100 | | | | | |
| 55GDMSJ125E | 125 | | | | | |
| 55GFMSJ150E | 150 | | | | | |
| 55GFMSJ175E | 175 | | | | | |
| 55GFMSJ200E | 200 | | | | | |
| 55GFMSJ250E | 250 | | | | | |
| 55GFMSJ300E | 300 | | | | | |
| 55GFMSJ350E | 350 | | | | | |
| 55GFMSJ400E | 400 | | | | | |
| 55GFMSJ450E | 450 | | | | | |
| 15.5 kV | | | | | | |
| 155GXQSJ175E | 175 | 65 | 21.1 (537) | 3.5 (89) | | |
| 155GXQSJ200E | 200 | | | | | |
| 17.5 kV | | | | | | |
| 175GDMSJ10E | 10 | 65 | 17.4 (442) | 2 (51) | | |
| 175GDMSJ15E | 15 | | | | | |
| 175GDMSJ20E | 20 | | | | | |
| 175GDMSJ25E | 25 | | | | | |
| 175GDMSJ30E | 30 | | | | | |
| 175GFMSJ40E | 40 | | | | 17.4 (442) | 3 (76) |
| 175GFMSJ50E | 50 | | | | | |
| 175GFMSJ65E | 65 | | | | | |
| 175GXMSJ80E | 80 | | | | | |
| 175GXMSJ100E | 100 | | | | | |
| 175GXQSJ125E | 125 | | 21.1 (537) | 3.5 (89) | | |
| 175GXQSJ150E | 150 | | | | | |

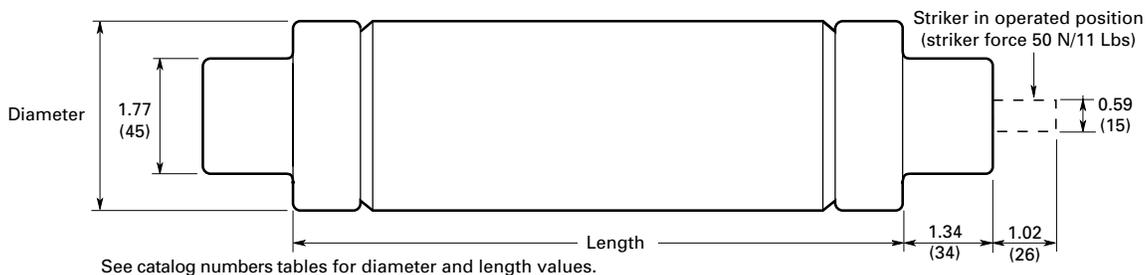
Dimensions — in (mm)



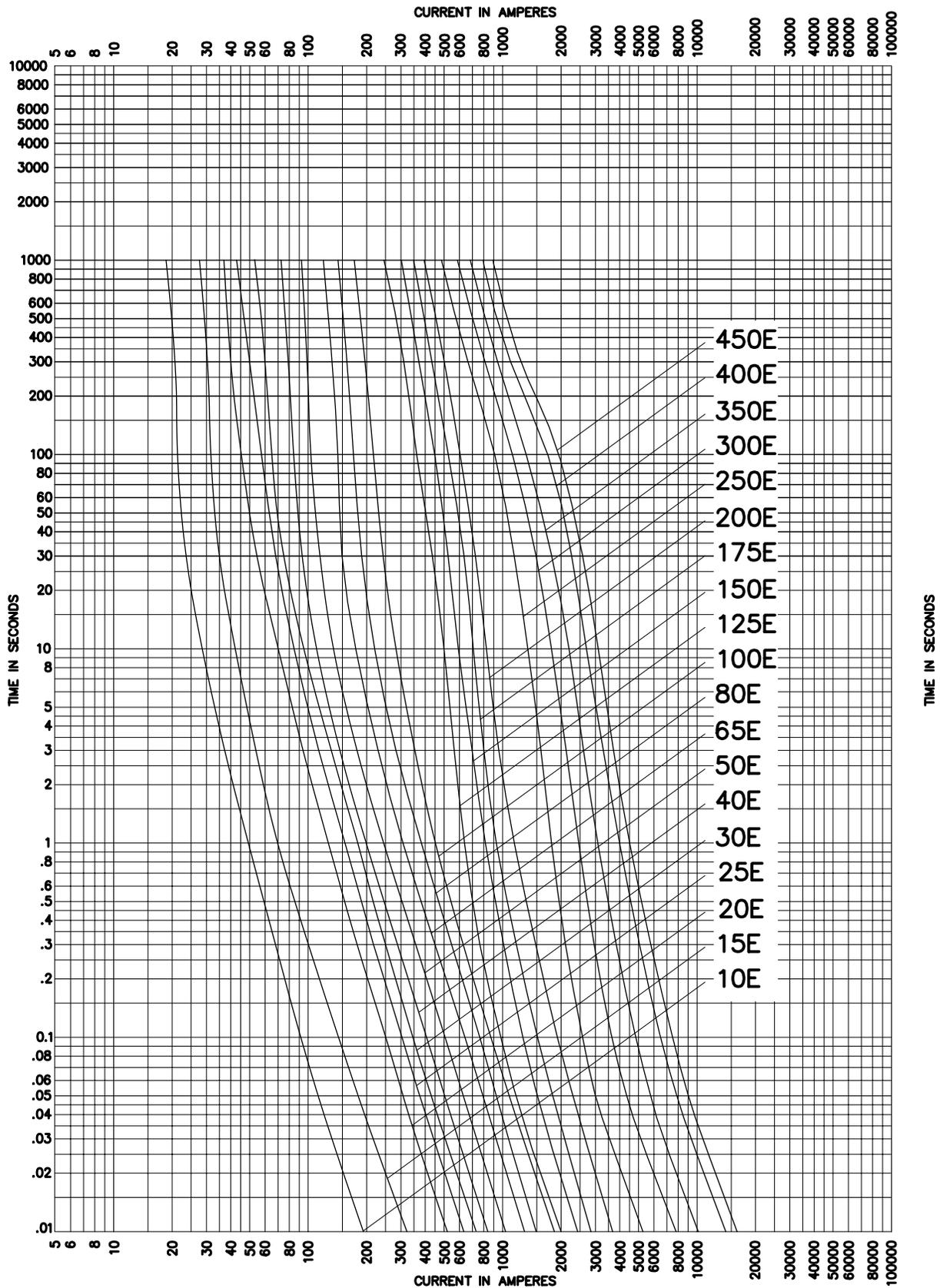
Catalog numbers — full range versions

| Catalog numbers | Amps | Interrupting rating (Sym. kA) | Dimensions — in (mm) | |
|-----------------|------|-------------------------------|----------------------|----------|
| | | | Length | Diameter |
| 25.8 kV | | | | |
| 258GDQSJ10E | 10 | 25 | 21.1 (537) | 2 (51) |
| 258GDQSJ15E | 15 | | | |
| 258GDQSJ20E | 20 | | | |
| 258GDQSJ25E | 25 | | | |
| 258GDQSJ30E | 30 | | 21.1 (537) | 3.5 (89) |
| 258GXQSJ40E | 40 | | | |
| 258GXQSJ50E | 50 | | | |
| 258GXQSJ65E | 65 | | | |
| 258GXZSJ80E | 80 | | | |
| 258GXZSJ100E | 100 | | | |
| 38 kV | | | | |
| 38GFZSJ10E | 10 | 25 | 28.3 (718) | 3 (76) |
| 38GFZSJ15E | 15 | | | |
| 38GFZSJ20E | 20 | | | |
| 38GFZSJ25E | 25 | | | |
| 38GFZSJ30E | 30 | | | |

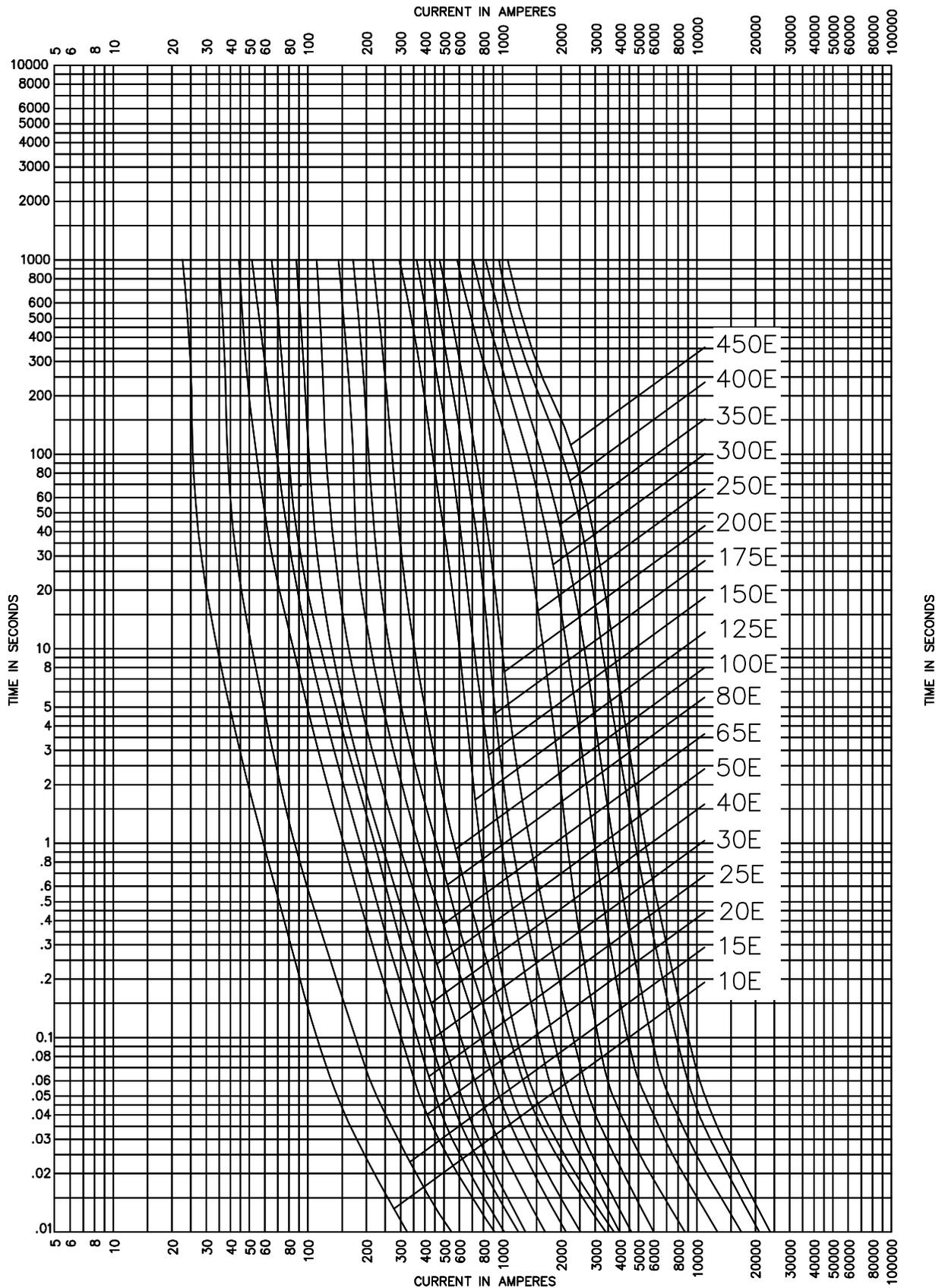
Dimensions — in (mm)



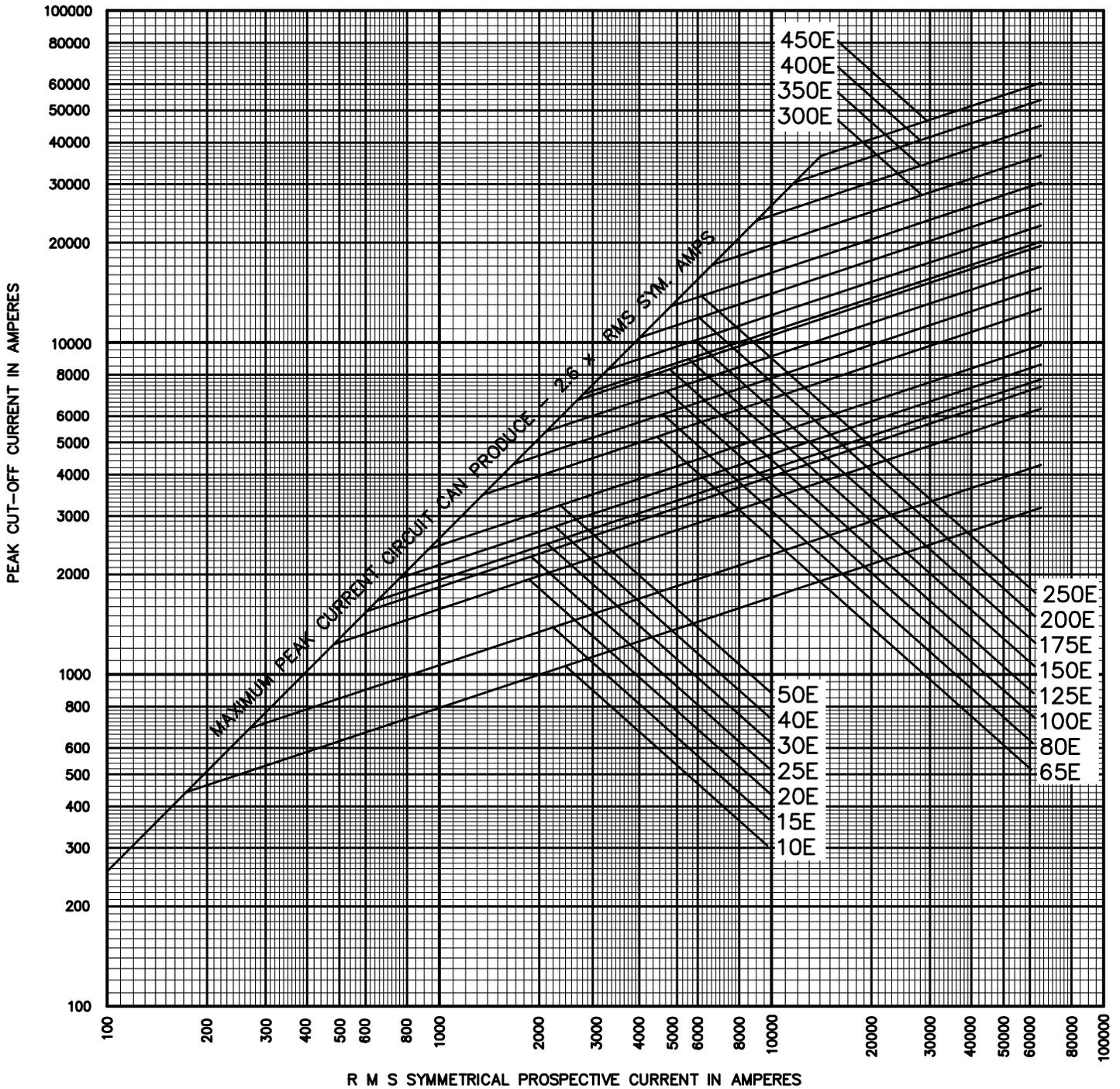
5.5 kV time-current curves — minimum melting



5.5 kV time-current curves — total clearing

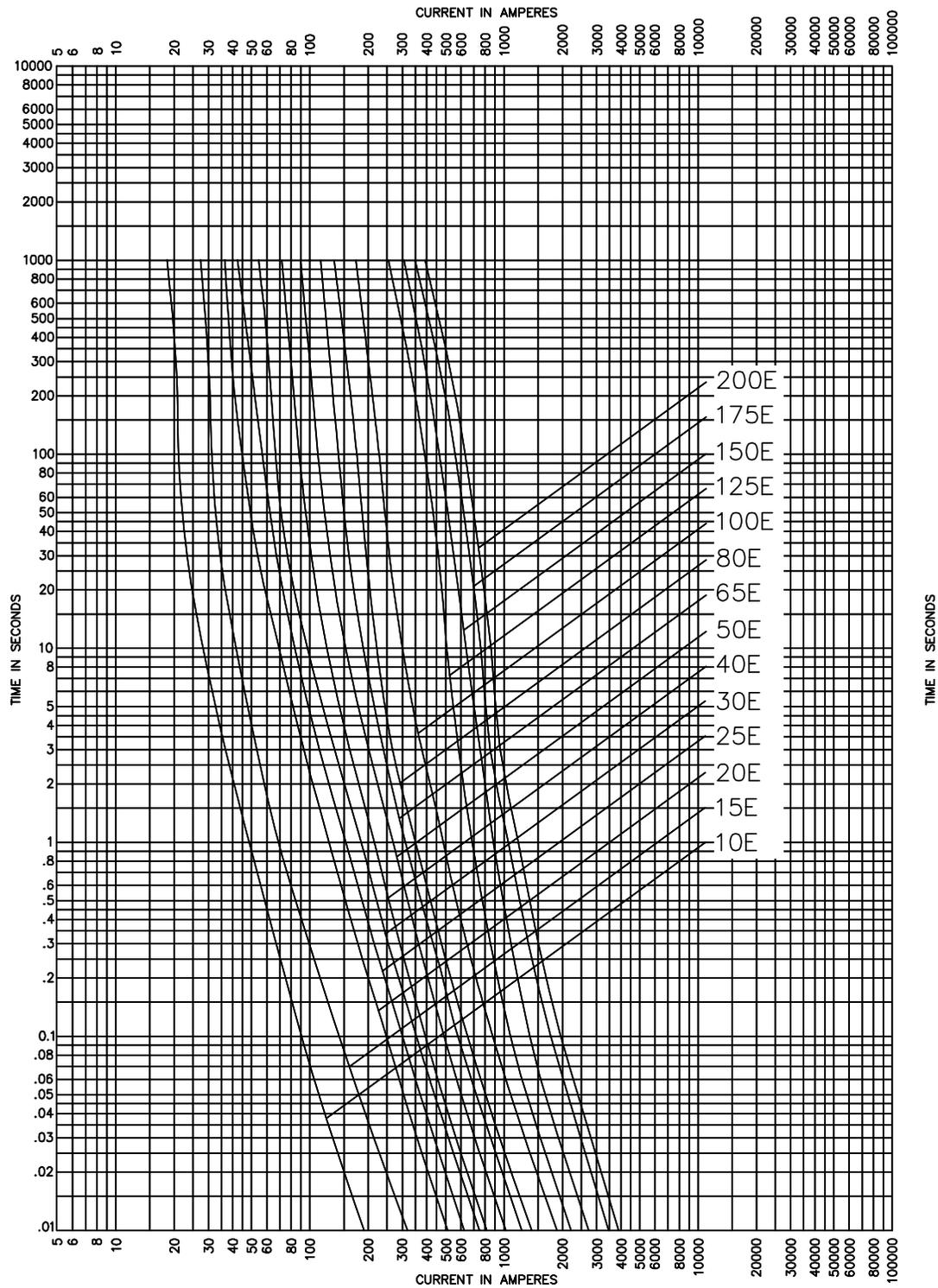


5.5 kV cut-off curves

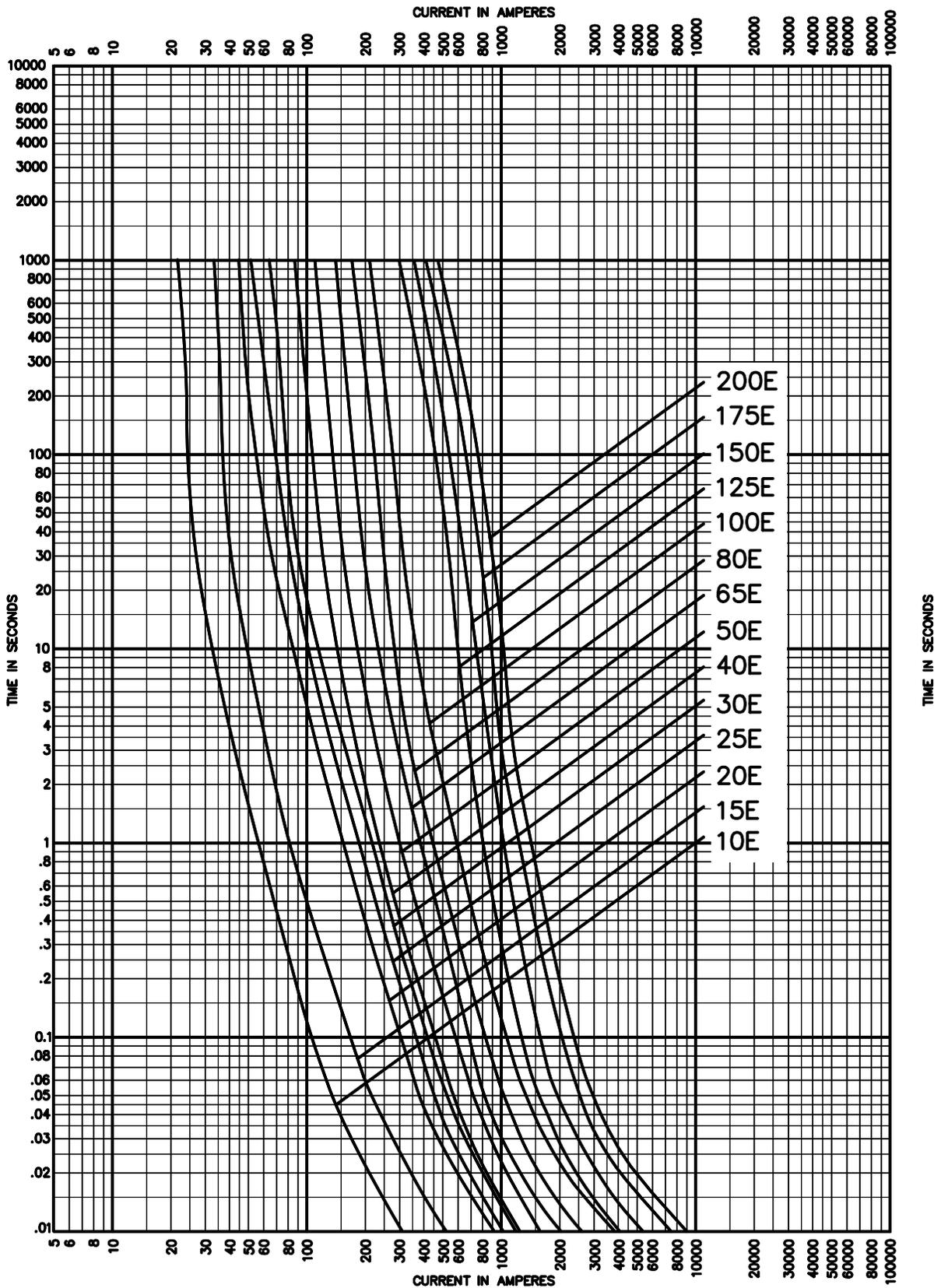


- Notes:**
1. Curves show extreme maximum values which will not be exceeded under conditions stated in notes 2 and 3 below.
 2. For high values of prospective current, a symmetrical fault gives the highest cut-off current. For low values of prospective current, where there is little or no current limitation, an asymmetrical fault passes the highest peak current. The curves are therefore based upon the degree of asymmetry which gives the maximum cut-off current at any particular value of prospective current.
 3. Curves related to frequency of 60 Hz and a recovery voltage equal to the fuse's rated voltage.

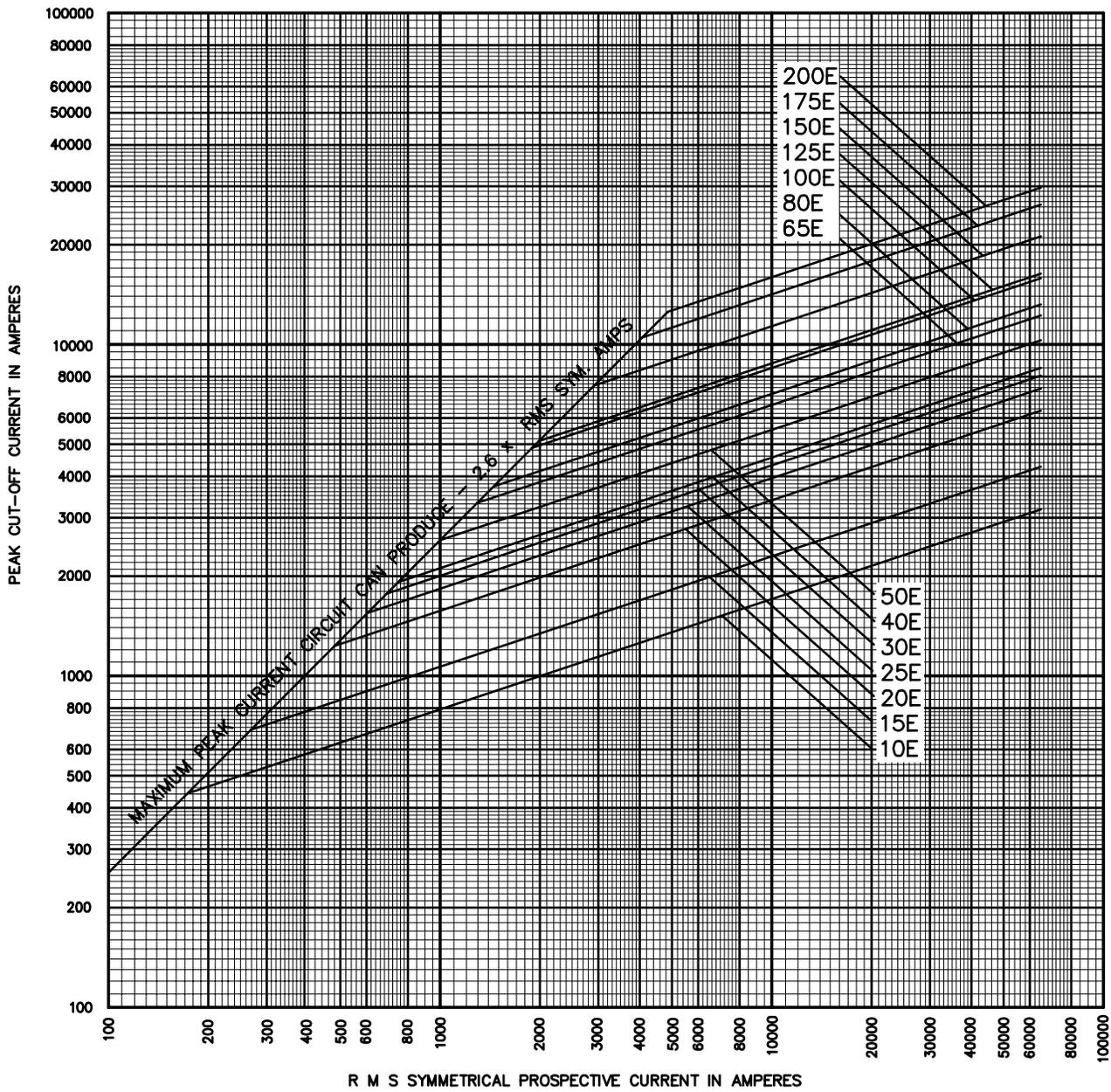
15.5 to 17.5 kV time-current curves – minimum melting



15.5 to 17.5 kV time-current curves – total clearing



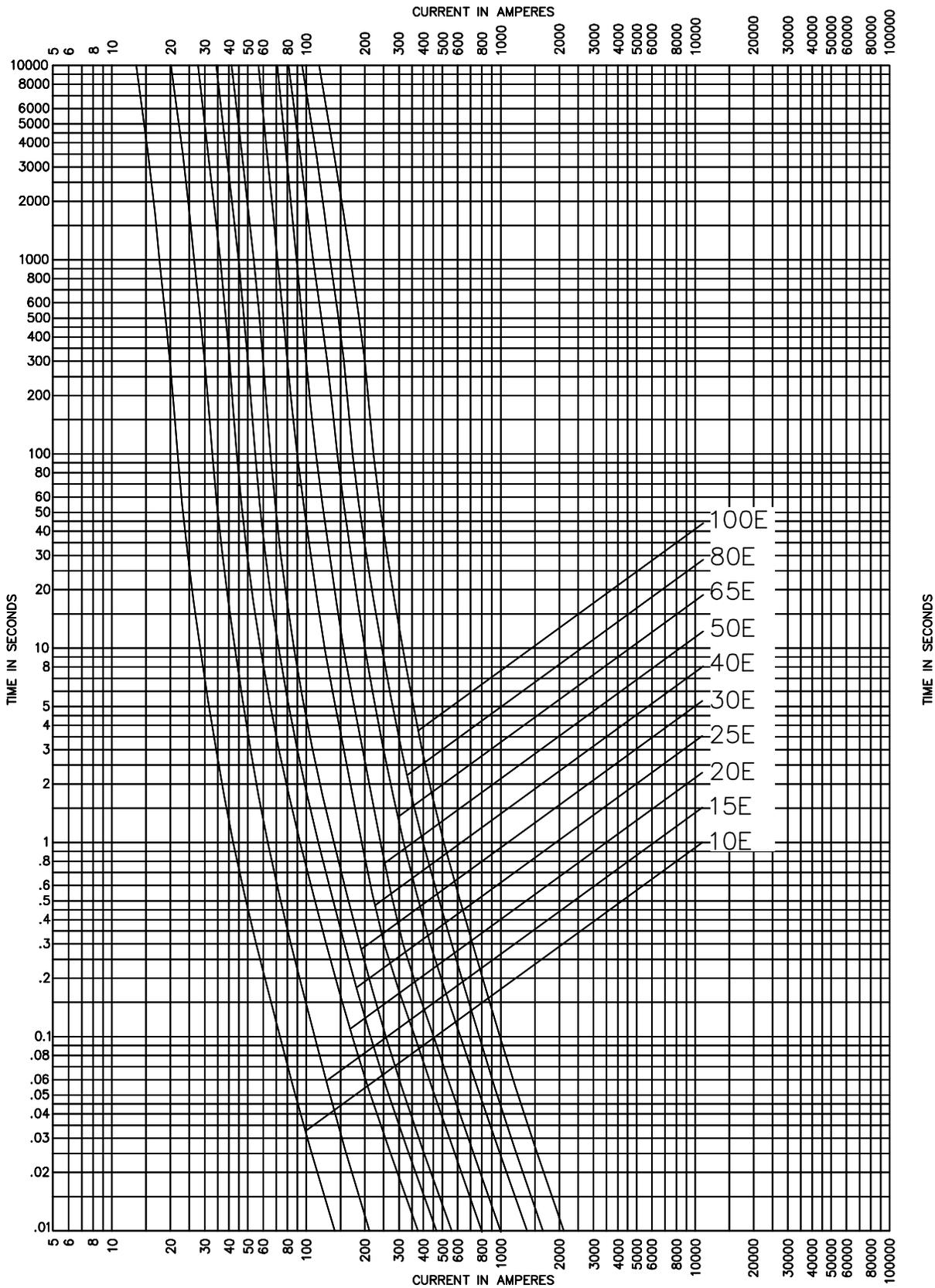
15.5 to 17.5 kV cut-off curves



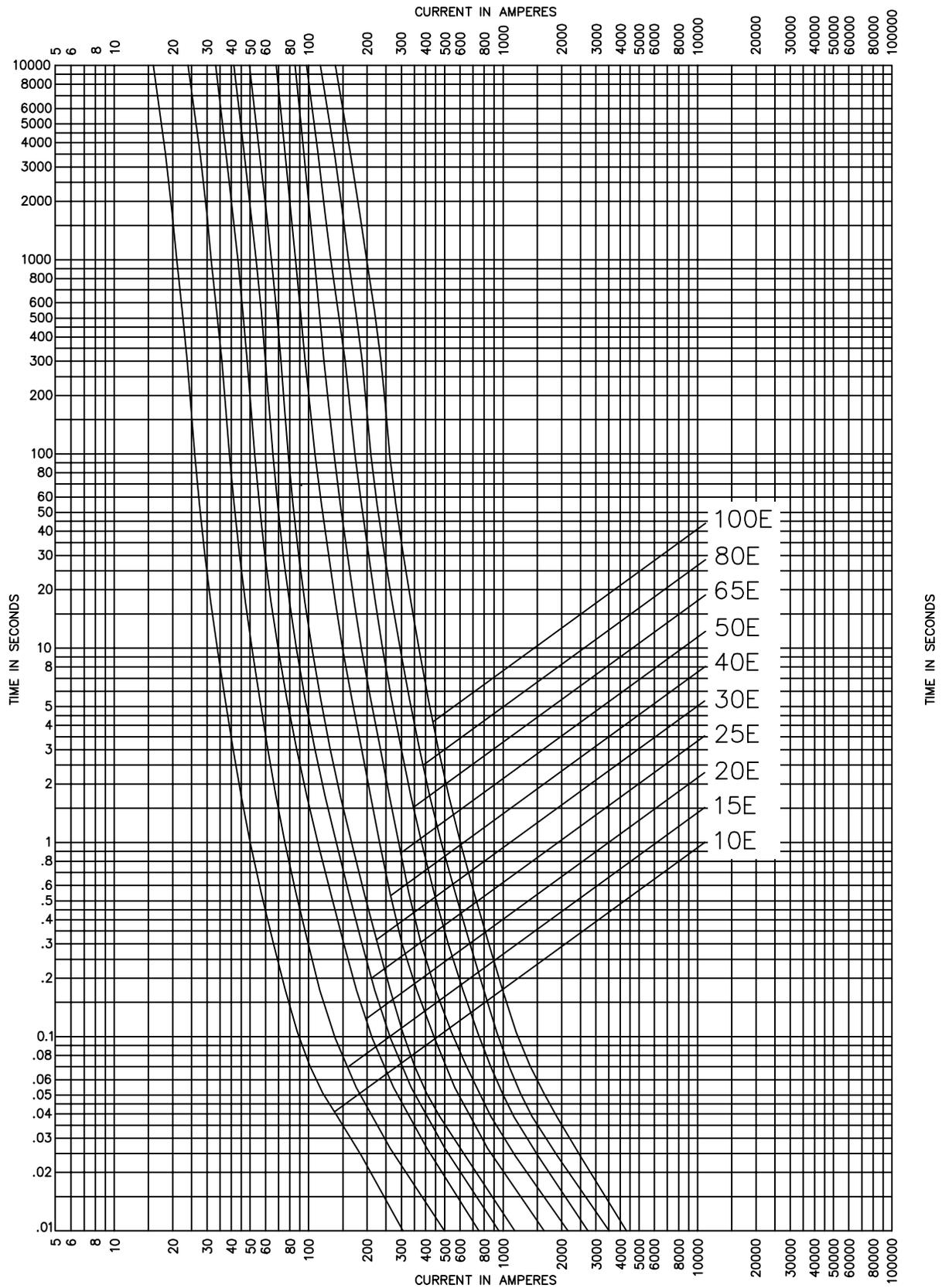
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3. Curves related to frequency of 60 Hz and a recovery voltage equal to the fuse's rated voltage.

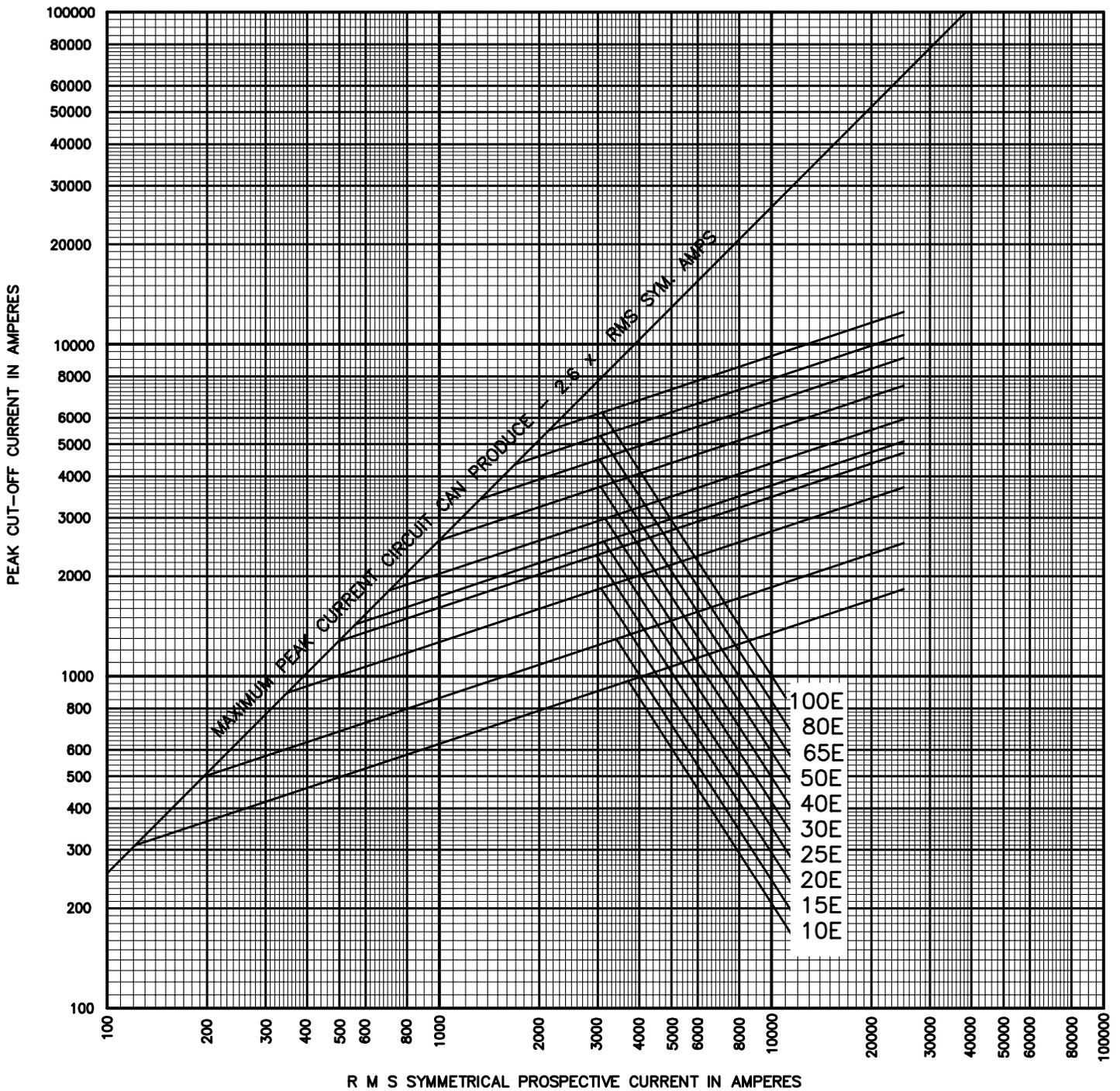
25.8 to 38 kV time-current curves – minimum melting



25.8 to 38 kV time-current curves – total clearing



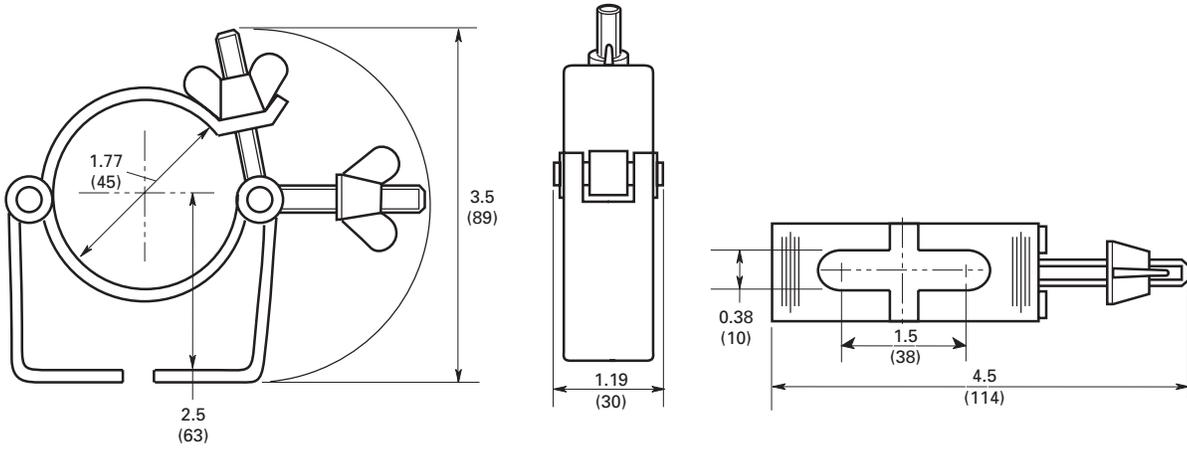
25.8 to 38 kV cut-off curves



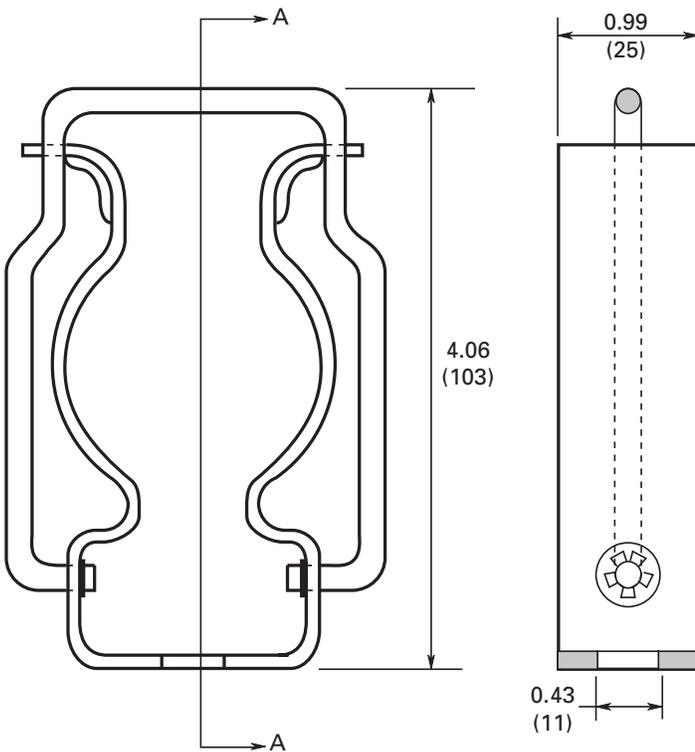
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 3. Curves related to frequency of 60 Hz and a recovery voltage equal to the fuse's rated voltage.

Fuseclip dimensions in (mm)

Catalog no. A3354745 – not sold in pairs



Catalog no. 270303



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