

# 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

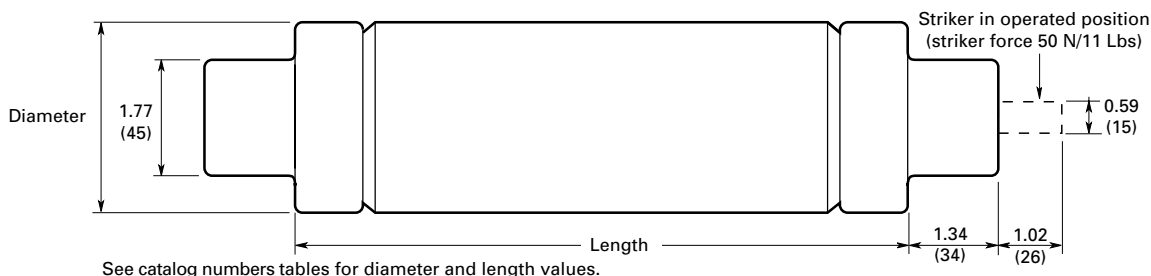
#### Typical applications

- 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		
<b>5.5 kV</b>						
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					
<b>15.5 kV</b>						
155GXQSJ175E	175	65	21.1 (537)	3.5 (89)		
155GXQSJ200E	200					
<b>17.5 kV</b>						
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					

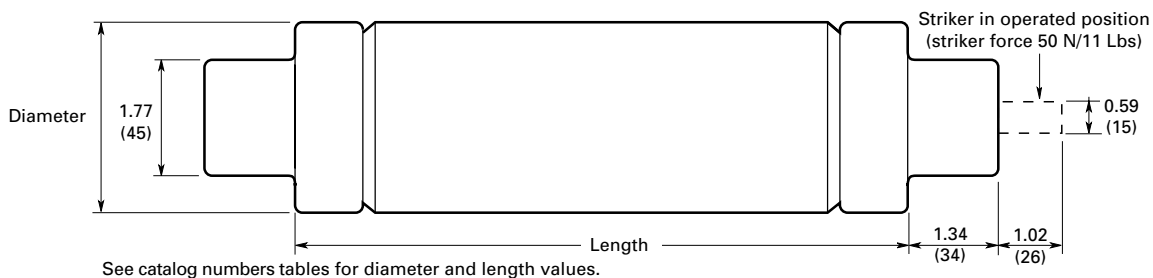
Dimensions — in (mm)



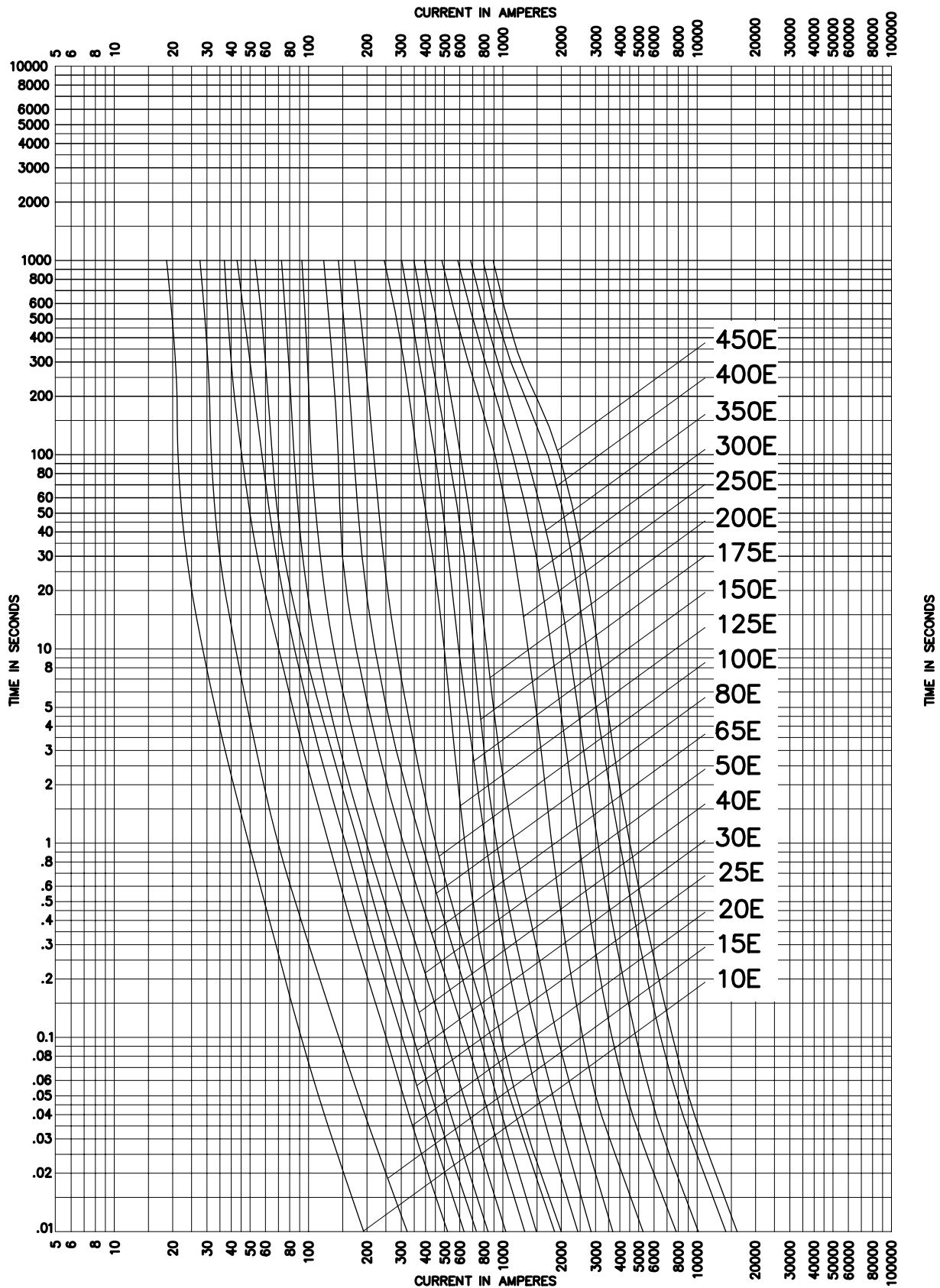
Catalog numbers — full range versions

Catalog numbers	Amps	Interrupting rating (Sym. kA)	Dimensions — in (mm)	
			Length	Diameter
<b>25.8 kV</b>				
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			
<b>38 kV</b>				
38GFZSJ10E	10	25	28.3 (718)	3 (76)
38GFZSJ15E	15			
38GFZSJ20E	20			
38GFZSJ25E	25			
38GFZSJ30E	30			

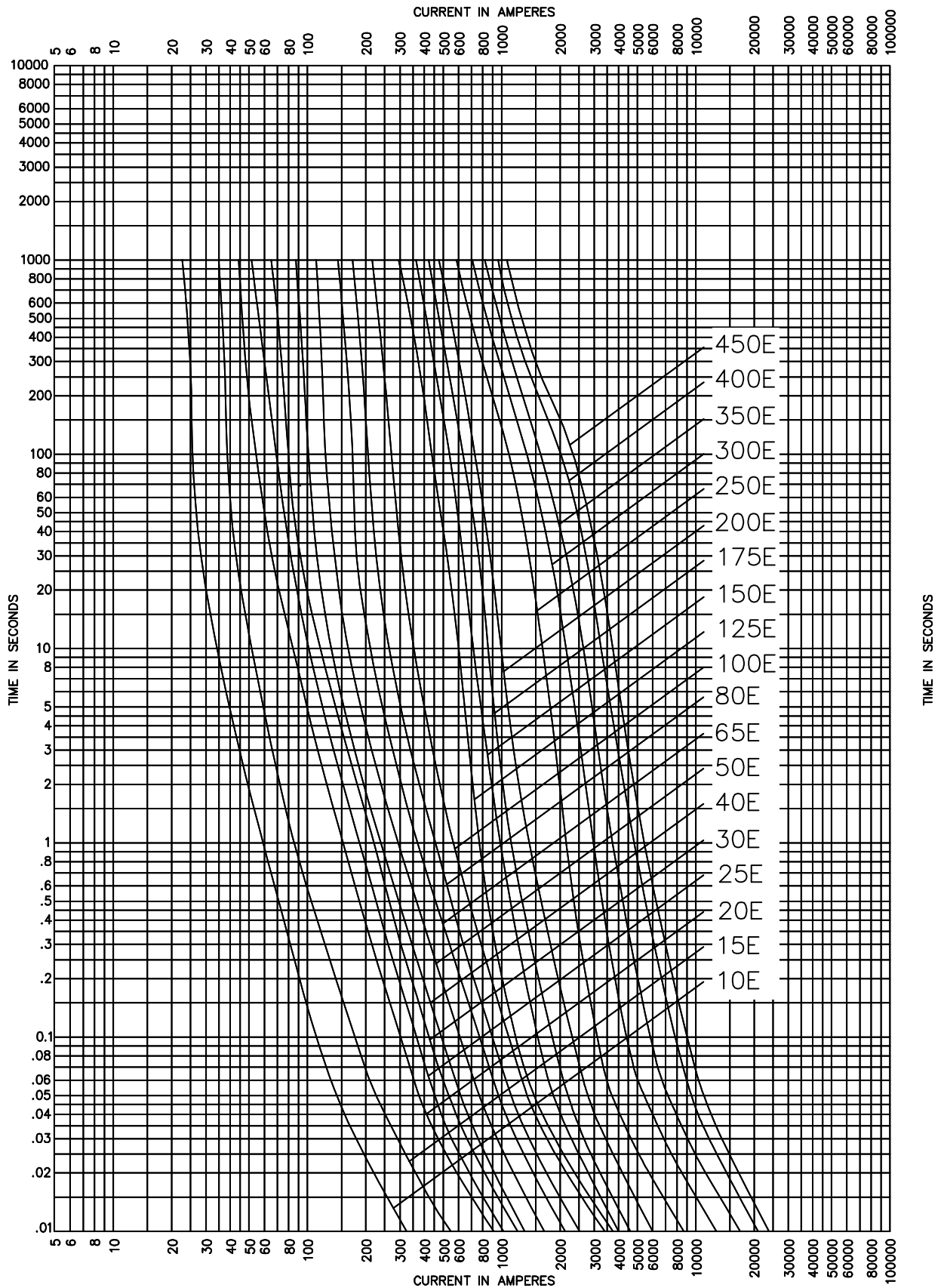
Dimensions — in (mm)



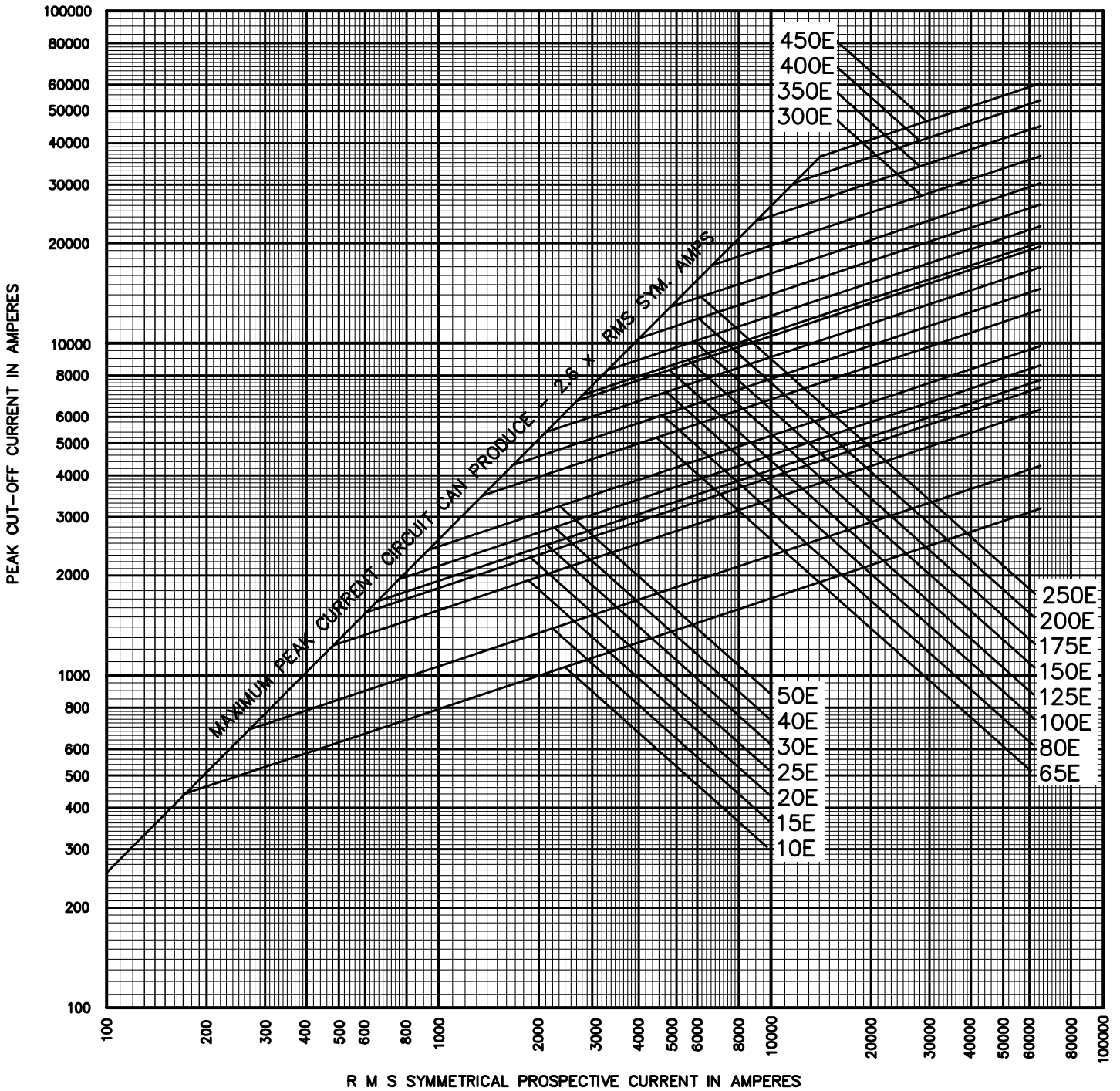
5.5 kV time-current curves — minimum melting



5.5 kV time-current curves — total clearing

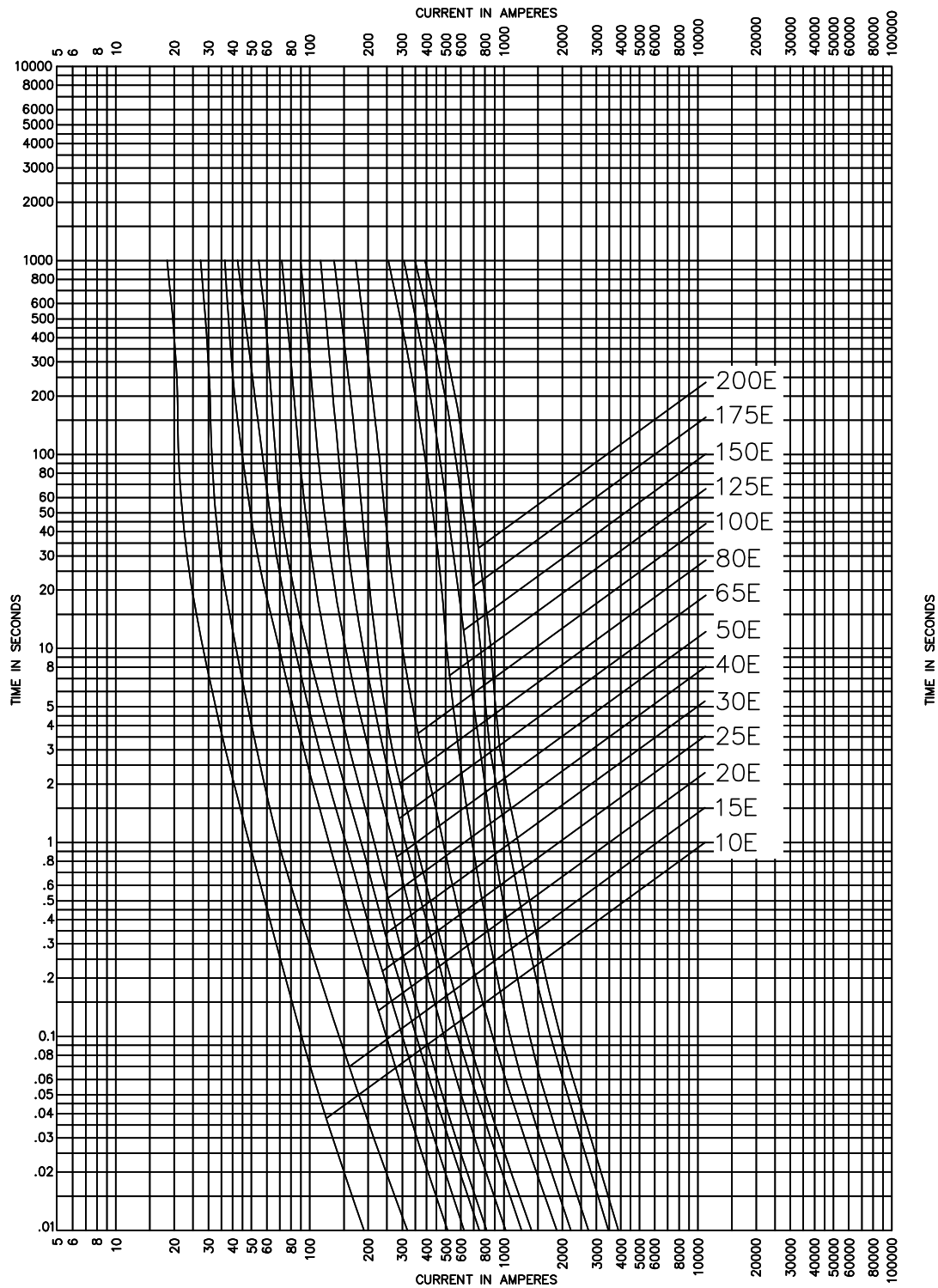


5.5 kV cut-off curves

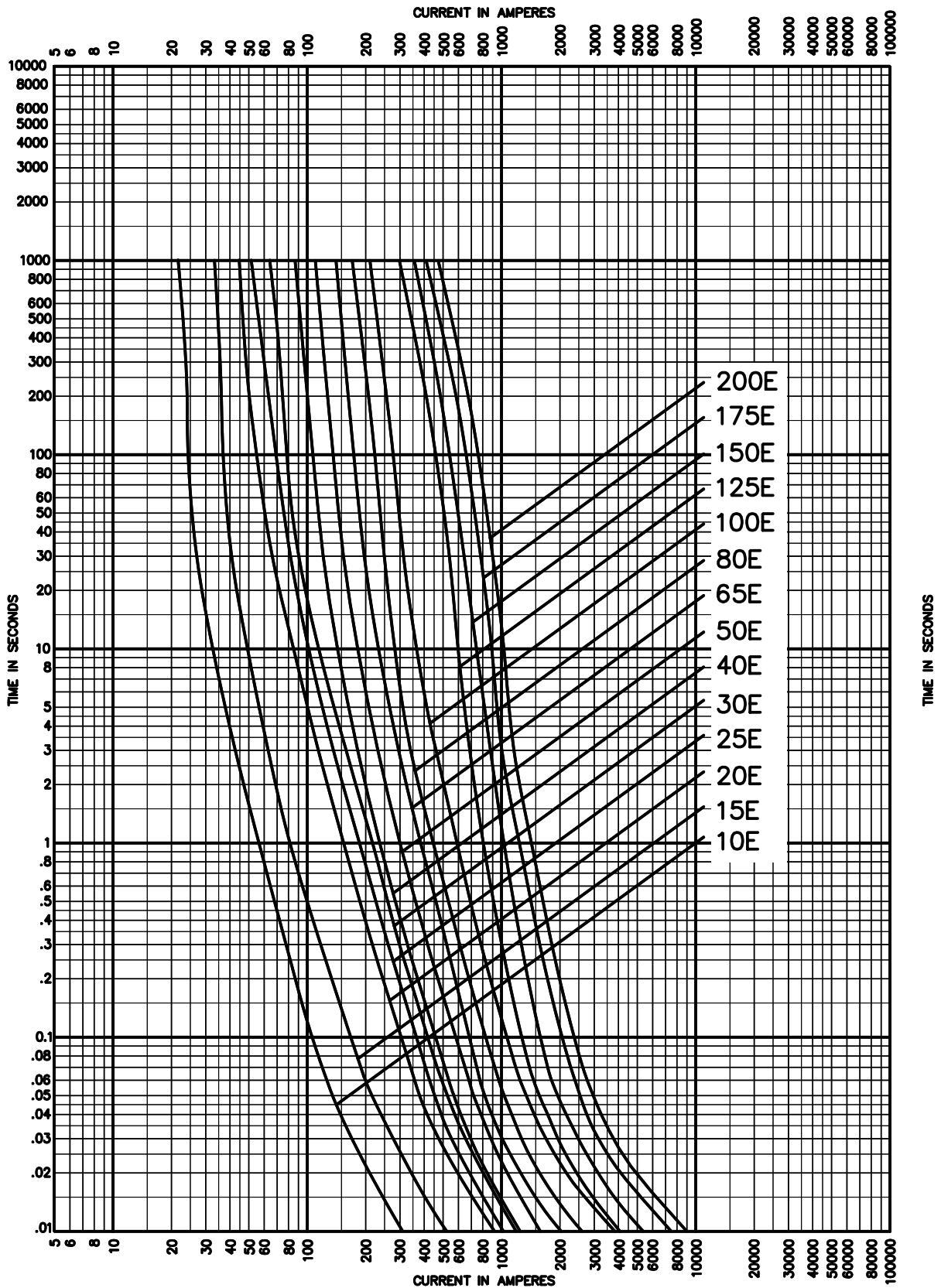


- Notes:**
1. Curves show extreme maximum values which will not be exceeded under conditions stated in notes 2 and 3 below.
  2. For high values of prospective current, a symmetrical fault gives the highest cut-off current. For low values of prospective current, where there is little or no current limitation, 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

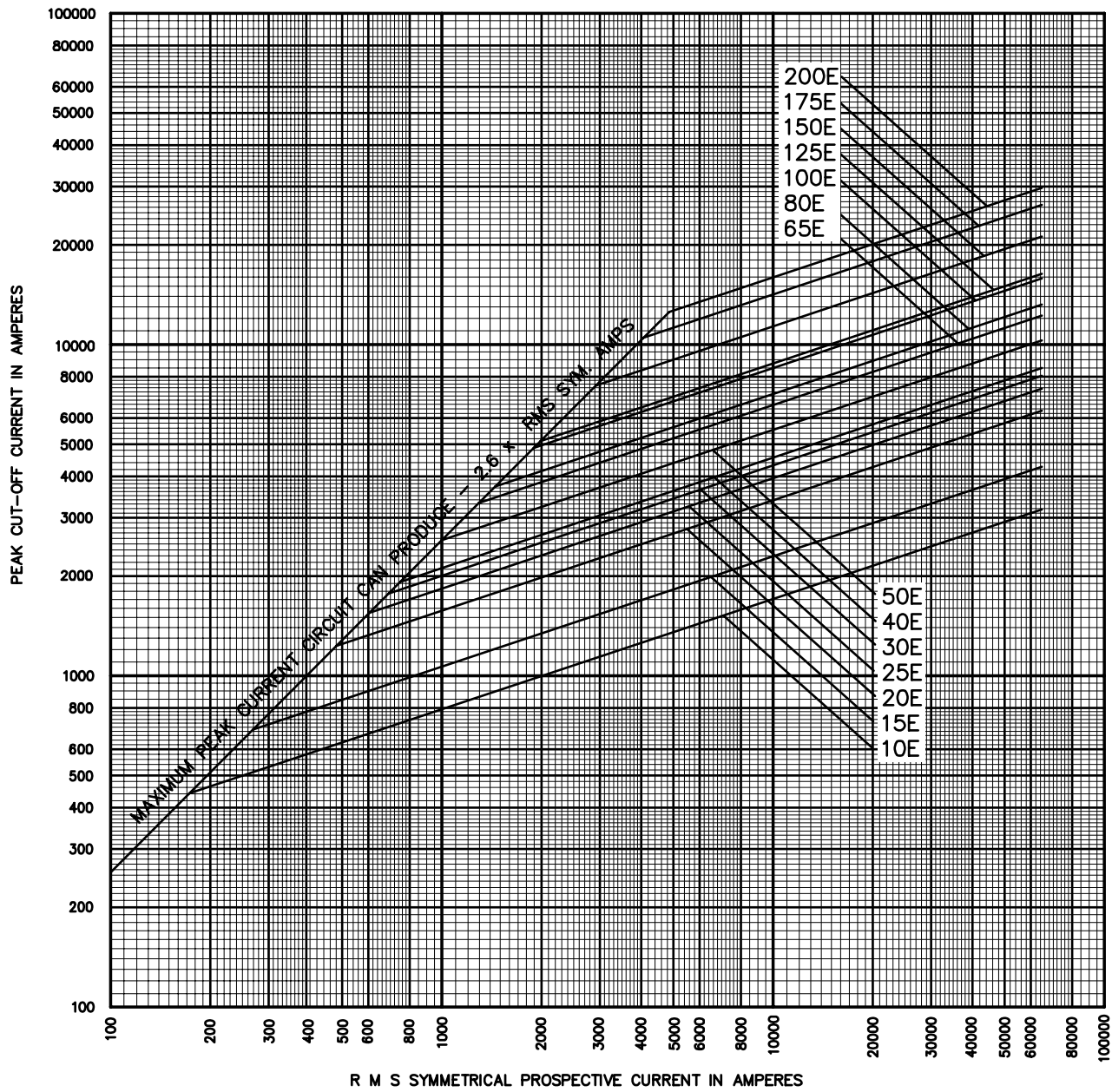


15.5 to 17.5 kV time-current curves – total clearing





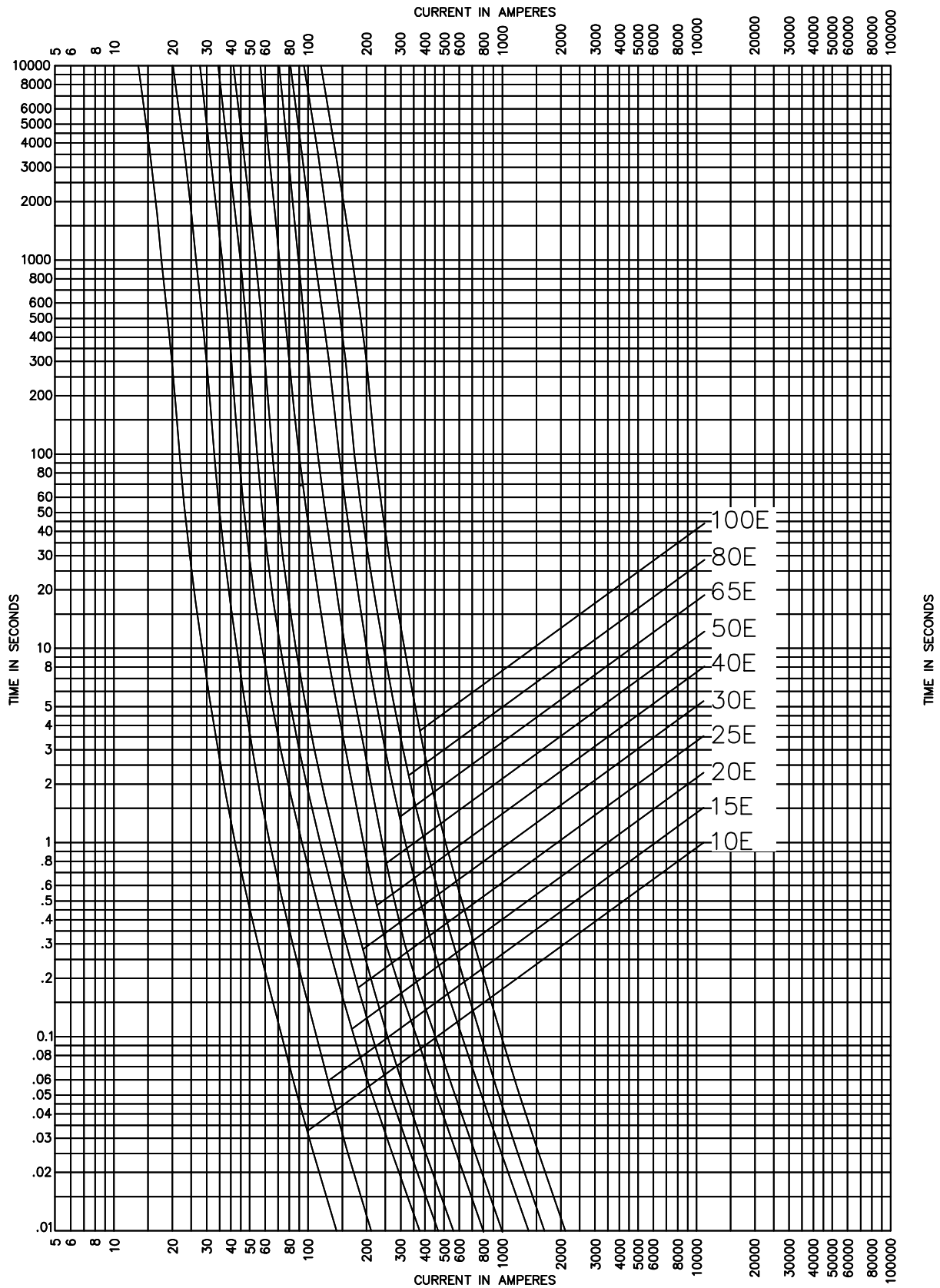
15.5 to 17.5 kV cut-off curves



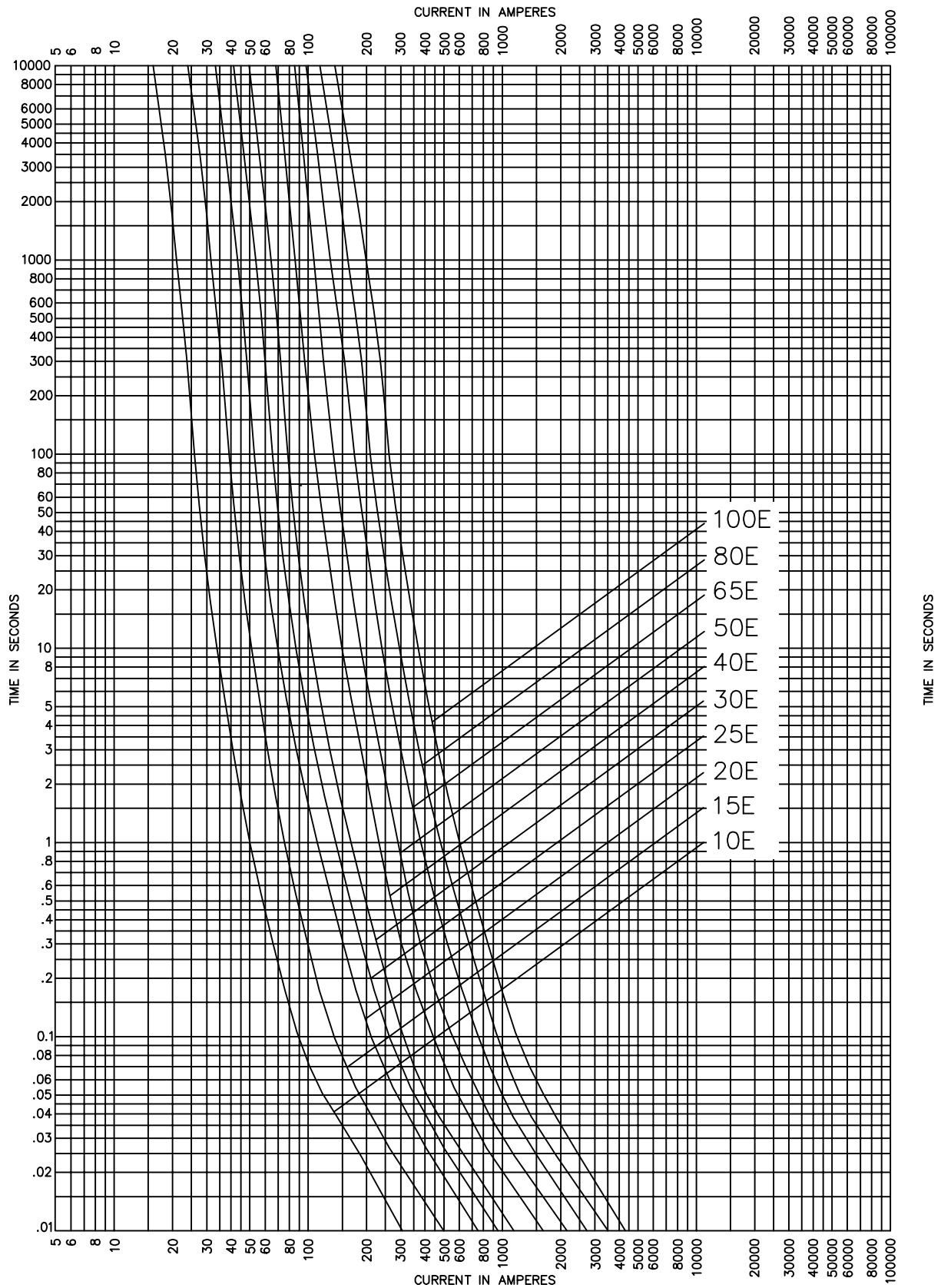
Notes:

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 faults 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.

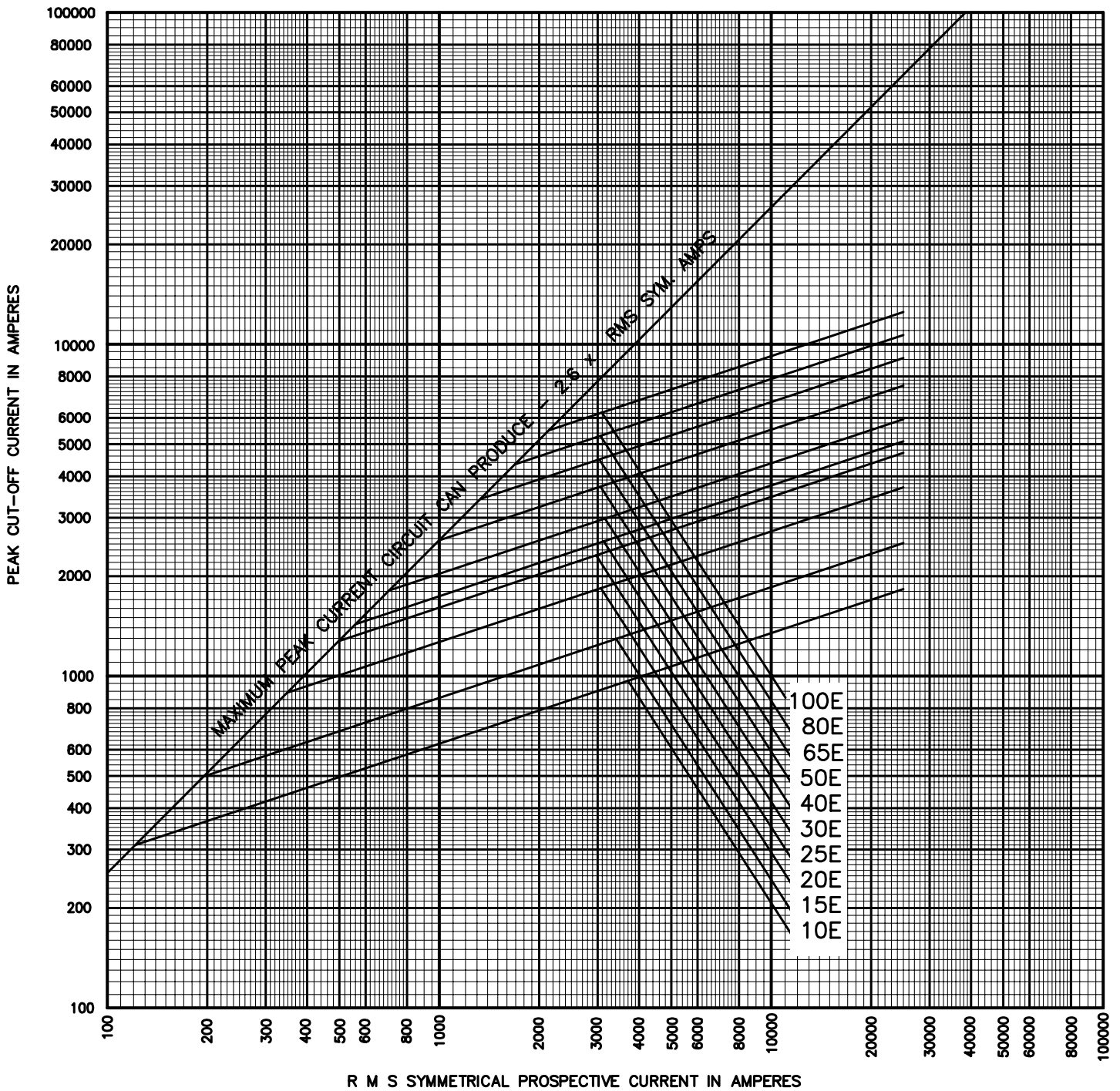
25.8 to 38 kV time-current curves – minimum melting



25.8 to 38 kV time-current curves – total clearing



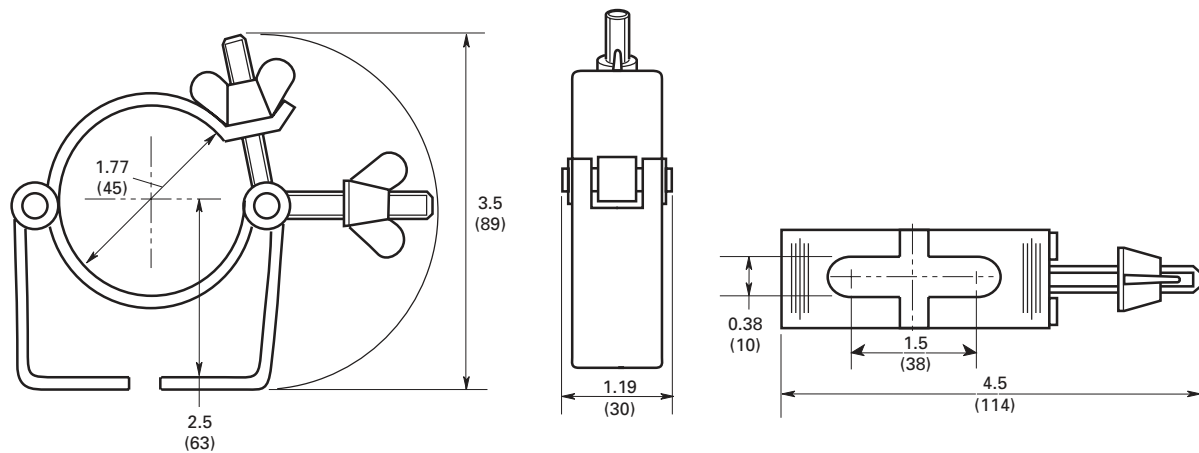
25.8 to 38 kV cut-off curves



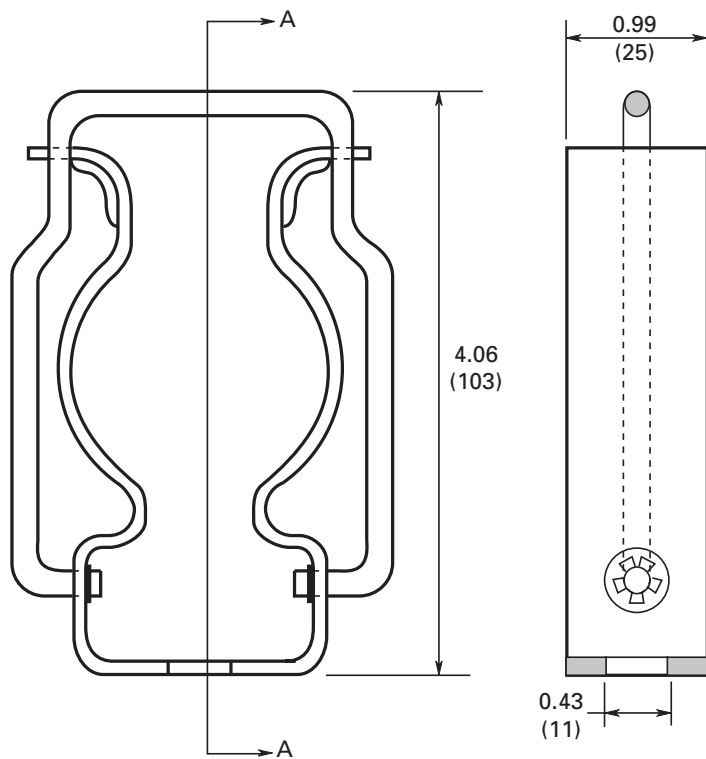
- Notes:**
1. Curves show extreme maximum values which will not be exceeded under conditions stated in notes 2 and 3 below.
  2. For high values of prospective current, a symmetrical fault gives the highest cut-off current. For low values of prospective current, where there is little or no current limitation, 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.

Fuseclip dimensions in (mm)

Catalog no. A3354745 – not sold in pairs



Catalog no. 270303



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