# 5.5kV E-Rated

## Medium voltage fuses for feeder circuit, switchgear and transformer protection

### Description:

- E-Rated, current-limiting, medium voltage fuses for feeder circuit, switchgear and transformer protection.

### Features and benefits

- Current-limiting E-Rated medium voltage fuses are defined by their melting time-current characteristic that permit their electrical interchangeability with other fuses of the same E Rating.
- E-Rated fuses must have a defined current response time specified by ANSI C37.46. E-Rated fuse of 100 amps and below must melt in 300 seconds at an RMS current within the range of 200% to 240% of the fuse's nameplate current rating. E-Rated fuses greater than 100 amps must melt in 600 seconds at an RMS current within the range of 220% to 264% of the fuse's nameplate current rating.
- E-Rated fuses are physically dimensioned for easy installation in existing hardware.
- Current-limiting fuses provide positive interruption even on low fault currents. The fuse limits the magnitude of electromechanical stresses in the protected apparatus.
- Constructions available in ferrule, bolt-on and clip-lock, and specialty mount fuses for AMPGARD™ motor starters.
- Outdoor rating available on select catalog numbers (requires installation in a suitable enclosure).
- Open fuse indicator easily integrates into automation schemes and speeds troubleshooting by providing a positive visual indication of fuse operation.
- 50/60Hz operating frequency for worldwide application.
- Mountings are available in disconnect and non-disconnect versions with porcelain or glass polyester insulators.
- Live parts and end fittings available.

### Typical applications:

- Medium voltage transformer primary protection
- Medium voltage feeder circuit protection
- Medium voltage switches
- Medium voltage metal-enclosed switchgear

## E-Rated medium voltage ferrule fuses

### Catalog symbols:

- General purpose:
  - 5CLE-_E-D (10-25A)
  - 5CLE-_E (10-1350A)
  - 5HLE-_E (10-450A)
  - JCY-_E (1-25A)
- Full range (per ANSI C37.40)
  - MV055F_ (10-450A)

### Ratings*:

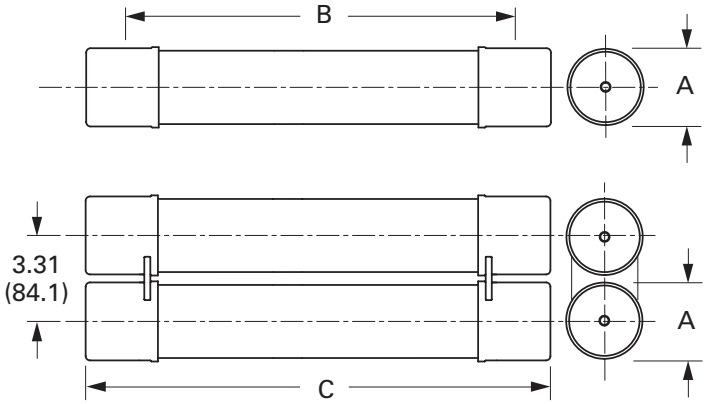
- Volts
  - 5.5kV
- Amps
  - 1 to 1350A
- Interrupting ratings
  - 40 to 63kA RMS Sym

* See catalog number tables for voltages, ampacities and interrupting ratings by catalog number.

### Agency information:

- E-Rated fuses meet the performance characteristics of ANSI C37.46
- UL® Listed, Guide JEEG, File E240398. See catalog numbers.

### Dimensions (see catalog number tables for values)




### Recommended fuseclips and holders:

CLE and HLE

| Amp rating | Fuse mounting type* | Voltage BIL (kV) | Approximate dimensions - in (mm) | | | Catalog number | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Mounting (including live parts, end fittings)** | | Live parts (including end fittings) | End fittings (disconnect only) |
| | | | Diameter A | Clip center B | Length C | Porcelain insulator | Glass-polyester insulator | | |
| **CLE** | | | | | | | | | |
| 10E-D–25E-D 30E–250E Single barrel | Non-disconnect | 60 | 3.0 (76.2) | 14.0 (355.6) | 17.9 (454.7) | 5CLE-PNM-D | 5CLE-GNM-D | CLE-NL-D | — |
| | Disconnect† | 60 | | | | 5CLE-PDM-D | 5CLE-GDM-D | CLE-DL-D | CLE-DF-D |
| 15E–25E Single barrel | Non-disconnect | 60 | 2.0 (50.8) | 11.5 (292.1) | 12.9 (327.7) | 5CLE-PNM-C | 5CLE-GNM-C | CLE-NL-C | — |
| | Disconnect† | 60 | | | | 5CLE-PDM-C | 5CLE-GDM-C | CLE-DL-C | CLE-DF-C |
| 300E–450E Double barrel | Non-disconnect | 60 | 3.0 (76.2) | 14.0 (355.6) | 17.9 (454.7) | 5CLE-PNM-E | 5CLE-GNM-E | CLE-NL-E | — |
| | Disconnect† | 60 | | | | 5CLE-PDM-E | 5CLE-GDM-E | CLE-DL-E | CLE-DF-E |
| 600E and 750E Double barrel | Consult factory | 60 | 4.0 (101.6) | N/A | N/A | — | — | — | — |
| 1100E and 1350E Four barrel | Consult factory | — | 4.0 (101.6) | N/A | N/A | — | — | — | — |
| **HLE** | | | | | | | | | |
| 10E-D–250E Single barrel | Non-disconnect | 60 | 3.0 (76.2) | 12.0 (304.8) | 15.9 (403.9) | 5HLE-PNM-D | 5HLE-GNM-D | CLE-NL-D | — |
| | Disconnect | 60 | | | | 5HLE-PDM-D | 5HLE-GDM-D | CLE-DL-D | CLE-DF-D |
| 300E–450E Double barrel | Non-disconnect | 60 | 3.0 (76.2) | 12.0 (304.8) | 15.9 (403.9) | 5HLE-PNM-E | 5HLE-GNM-E | CLE-NL-E | — |
| | Disconnect | 60 | | | | 5HLE-PDM-E | 5HLE-GDM-E | CLE-DL-E | CLE-DF-E |

* See page 12 for illustrations and dimensions
** End fittings supplied only when required.
† Disconnect mountings provide a means for fuse extraction only. Do not use a disconnect mounting for load switching or fuse removal while energized.

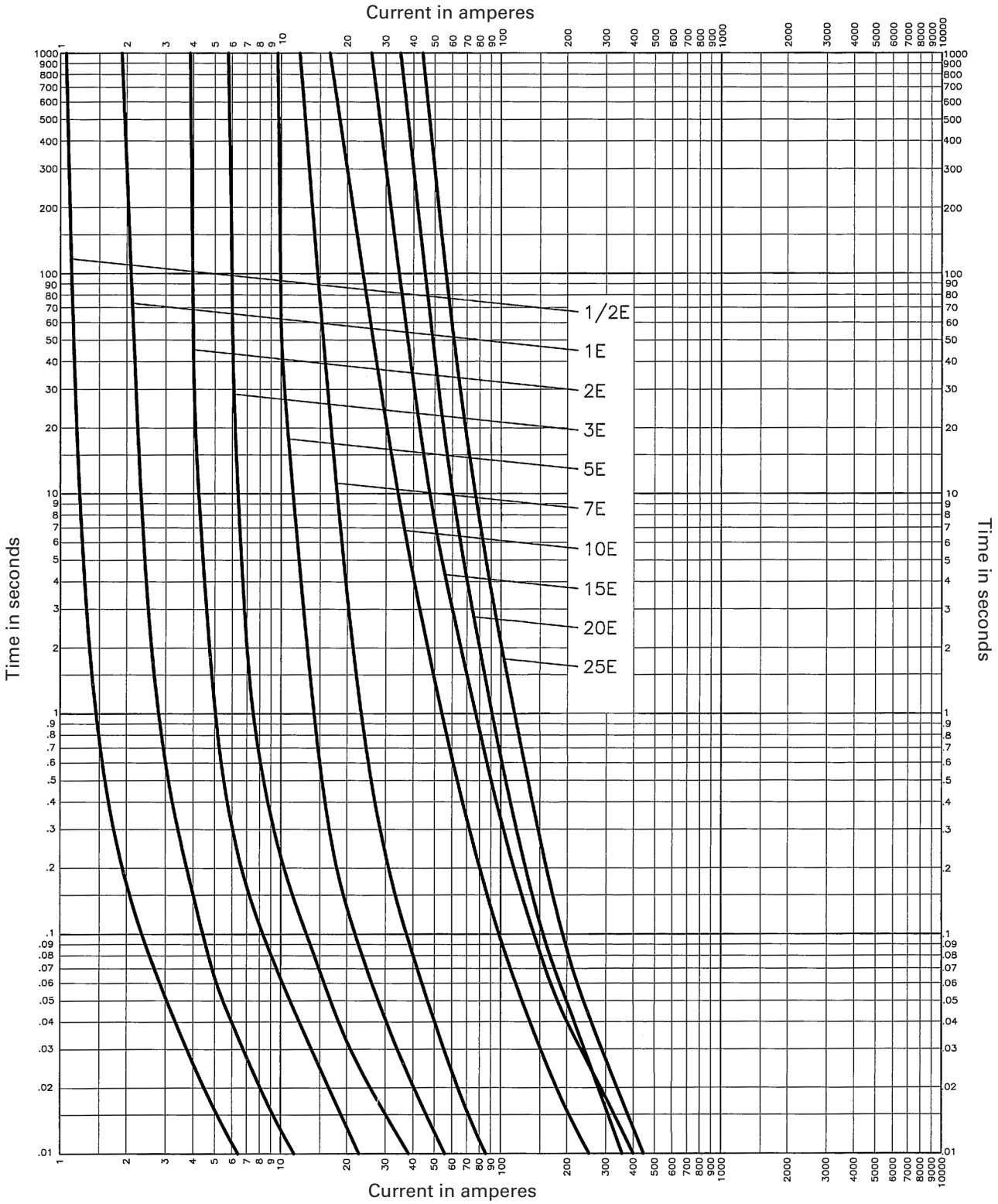
## CLE, HLE and JCY general purpose

| Amp rating | Dimensions - in (mm) | | | Interrupting rating kA (RMS Sym.) | Number of barrels | Installation location | Catalog number |
|---|---|---|---|---|---|---|---|
| | Length A | Diameter B | Clip centers C | | | | |
| 1 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-1E |
| 2 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-2E |
| 3 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-3E |
| 5 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-5E |
| 7 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-7E |
| 10 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-10E |
| 10 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-10E-D |
| 10 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-10E |
| 15 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-15E |
| 15 | 12.9 (328) | 2 (51) | 11.5 (292) | 50 | 1 | Indoor | 5CLE-15E* |
| 15 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-15E-D |
| 15 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-15E |
| 20 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-20E |
| 20 | 12.9 (328) | 2 (51) | 11.5 (292) | 50 | 1 | Indoor | 5CLE-20E* |
| 20 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-20E-D |
| 20 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-20E |
| 25 | 11.2 (284) | 2 (51) | 9 (229) | 40 | 1 | Indoor/outdoor | JCY-25E |
| 25 | 12.9 (328) | 2 (51) | 11.5 (292) | 50 | 1 | Indoor | 5CLE-25E* |
| 25 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-25E-D |
| 25 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-25E |
| 30 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-30E |
| 30 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-30E |
| 40 | 17.9 (455) | 3 (76) | 14 (356) | 50 | 1 | Indoor/outdoor | 5CLE-40E† |
| 40 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-40E† |
| 50 | 17.9 (455) | 3 (76) | 14 (356) | 50 | 1 | Indoor/outdoor | 5CLE-50E† |
| 50 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-50E† |
| 65 | 17.9 (455) | 3 (76) | 14 (356) | 50 | 1 | Indoor/outdoor | 5CLE-65E† |
| 65 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-65E† |
| 80 | 17.9 (455) | 3 (76) | 14 (356) | 50 | 1 | Indoor/outdoor | 5CLE-80E† |
| 80 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-80E† |
| 100 | 17.9 (455) | 3 (76) | 14 (356) | 50 | 1 | Indoor/outdoor | 5CLE-100E† |
| 100 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-100E† |
| 125 | 17.9 (455) | 3 (76) | 14 (356) | 50 | 1 | Indoor/outdoor | 5CLE-125E† |
| 125 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-125E† |
| 150 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-150E† |
| 150 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-150E† |
| 175 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-175E† |
| 175 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-175E† |
| 200 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-200E† |
| 200 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-200E† |
| 250 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 1 | Indoor/outdoor | 5CLE-250E† |
| 250 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 1 | Indoor/outdoor | 5HLE-250E† |
| 300 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 2 | Indoor/outdoor | 5CLE-300E† |
| 300 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 2 | Indoor/outdoor | 5HLE-300E† |
| 350 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 2 | Indoor/outdoor | 5CLE-350E† |
| 350 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 2 | Indoor/outdoor | 5HLE-350E† |
| 400 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 2 | Indoor/outdoor | 5CLE-400E† |
| 400 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 2 | Indoor/outdoor | 5HLE-400E† |
| 450 | 17.9 (455) | 3 (76) | 14 (356) | 63 | 2 | Indoor/outdoor | 5CLE-450E† |
| 450 | 15.9 (404) | 3 (76) | 12 (305) | 63 | 2 | Indoor/outdoor | 5HLE-450E† |

* Fuses conform to dimensional standards established by Westinghouse.

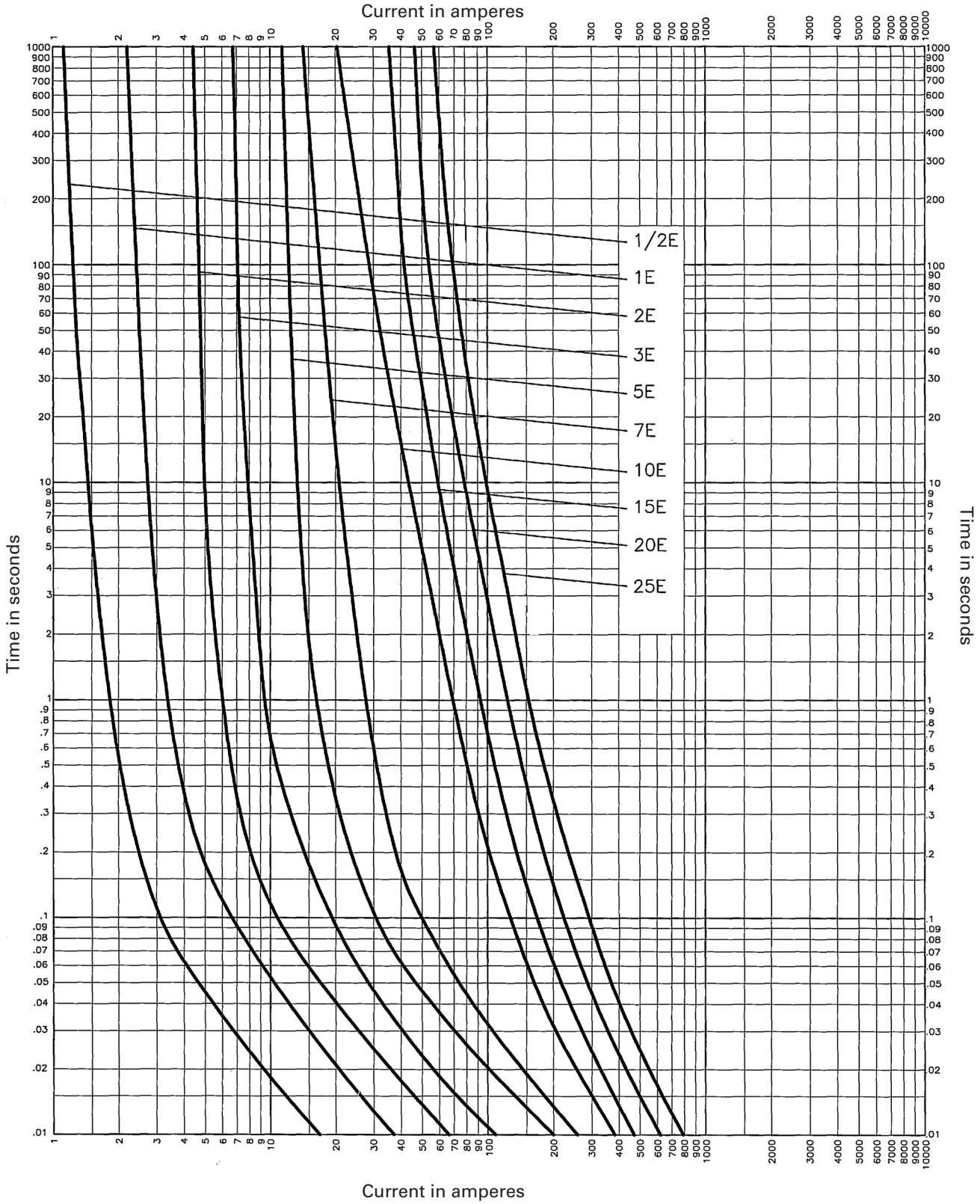
† UL Listed, Guide JEEG, File E240398.

**5.5kV time-current curves — minimum melt for JCY-_E fuses**




JCY-_

**5.5kV time-current curves — total clear for JCY-_E fuses**




JCY-_

## MV055 full range

| Amp rating | Dimensions - in (mm) Length A | Diameter B | Clip centers C | Interrupting rating kA (RMS Sym.) | Number of barrels | Installation location | Catalog number |
|---|---|---|---|---|---|---|---|
| 5 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX5E |
| 7 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX7E |
| 10 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX10E |
| 10 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX10E |
| 15 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX15E |
| 15 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX15E |
| 20 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX20E |
| 20 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX20E |
| 25 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX25E |
| 25 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX25E |
| 30 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX30E |
| 30 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX30E |
| 40 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX40E |
| 40 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX40E |
| 50 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX50E |
| 50 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX50E |
| 65 | 15.7 (399) | 2 (51) | 12 (305) | 50 | 1 | Indoor | MV055F1CAX65E |
| 65 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX65E |
| 80 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX80E |
| 100 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX100E |
| 125 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX125E |
| 150 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX150E |
| 175 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX175E |
| 200 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 1 | Indoor | MV055F1DAX200E |
| 250 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 2 | Indoor | MV055F2DAX250E |
| 300 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 2 | Indoor | MV055F2DAX300E |
| 350 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 2 | Indoor | MV055F2DAX350E |
| 400 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 2 | Indoor | MV055F2DAX400E |
| 450 | 15.7 (399) | 3 (76) | 12 (305) | 50 | 2 | Indoor | MV055F2DAX450E |

## Recommended MV055 fuseclips:

| Description | Fuse diameter - in (mm) | Figure | Clip dimensions - in (mm) A | B | C | D | E | F | G | Catalog number |
|---|---|---|---|---|---|---|---|---|---|---|
| Enclosed fuseclip | 2 (51) | 1 | 3.75 (95) | 1.98 (50) | 2.01 (51) | 1.19 (30) | 4.54 (115) | 1.51 (38) | 0.4 (10) | A3354710* |
| Enclosed fuseclip | 3 (76) | 1 | 4.14 (105) | 2.45 (62) | 3.01 (76) | 1.19 (30) | 5.64 (143) | 1.51 (38) | 0.4 (10) | A3354730* |
| Open fuseclip | 3 (76) | 2 | See dimensions drawing | | | | | | | 1A0065 |
| Spring loaded open fuseclip | 3 (76) | 3 | See dimensions drawing | | | | | | | 9078A67G04 |

*For single barrel applications only. Not sold in pairs.

Figure 1

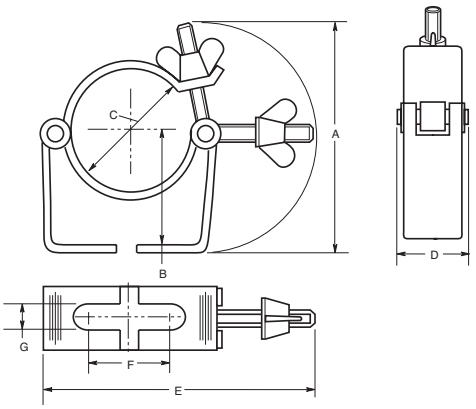



Figure 2

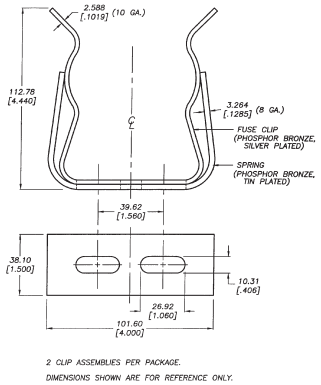
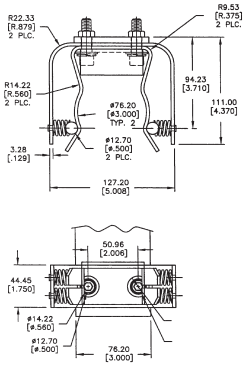
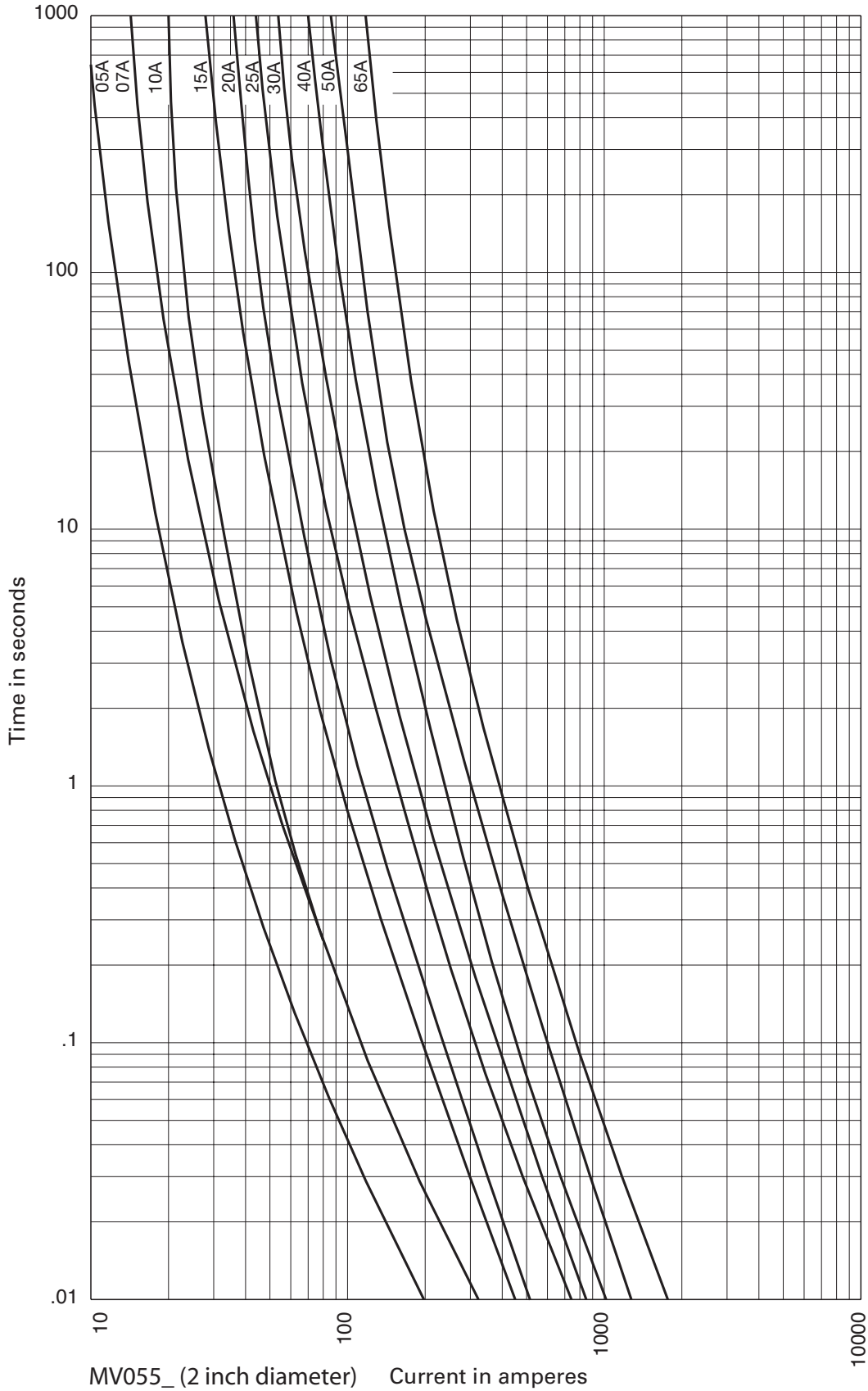


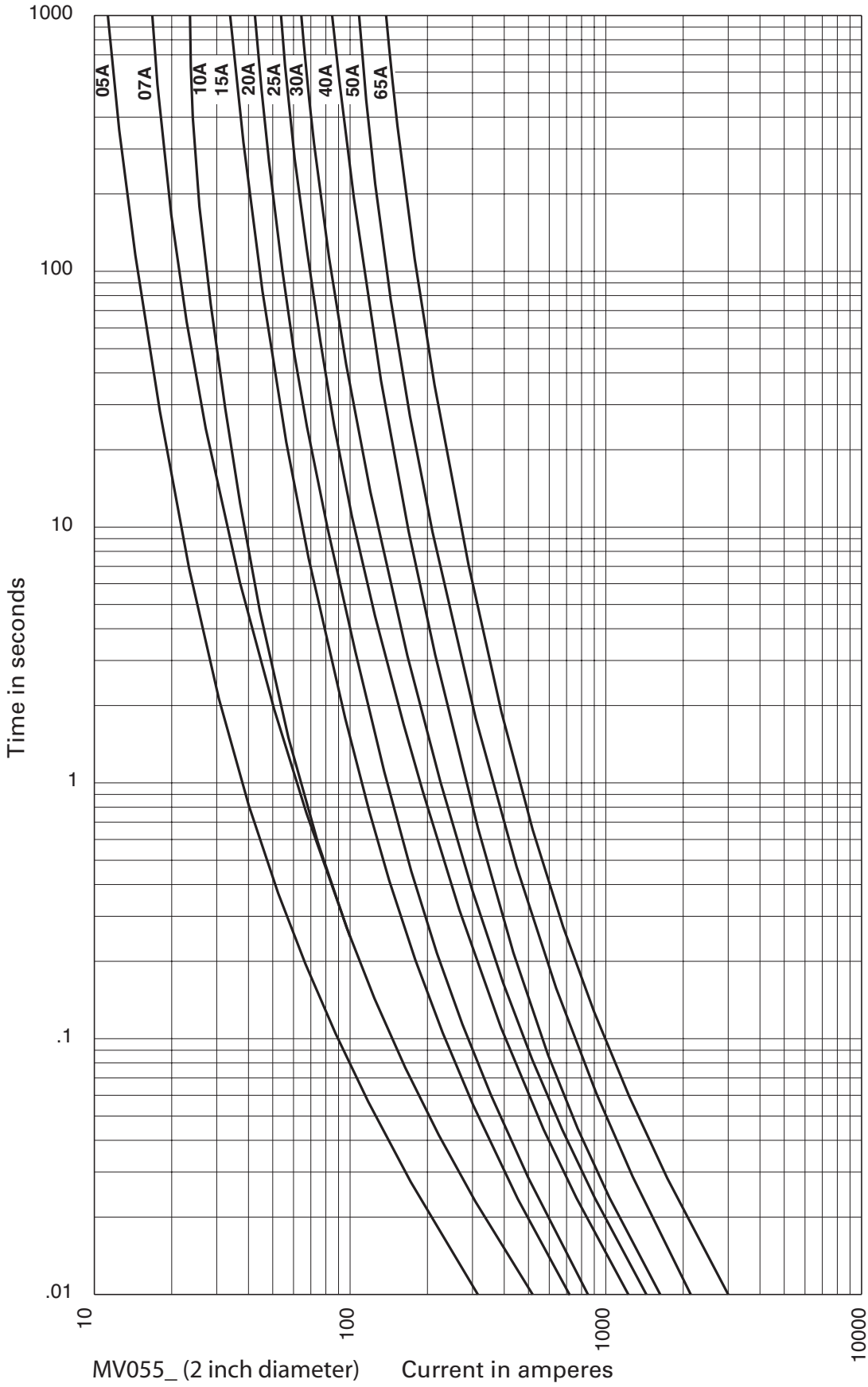

Figure 3



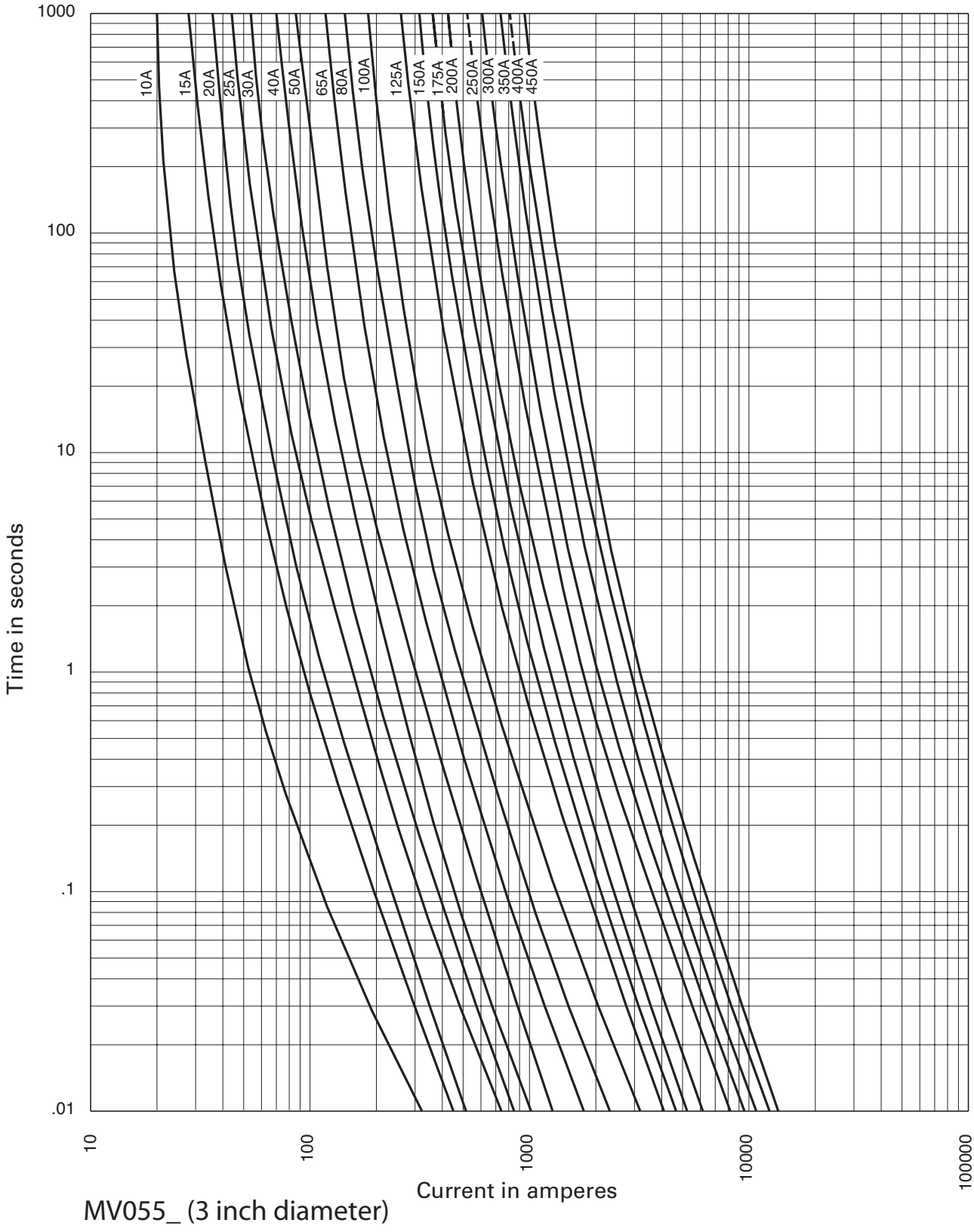
**5.5kV time-current curves — minimum melt for MV055_ 2 inch diameter fuses**



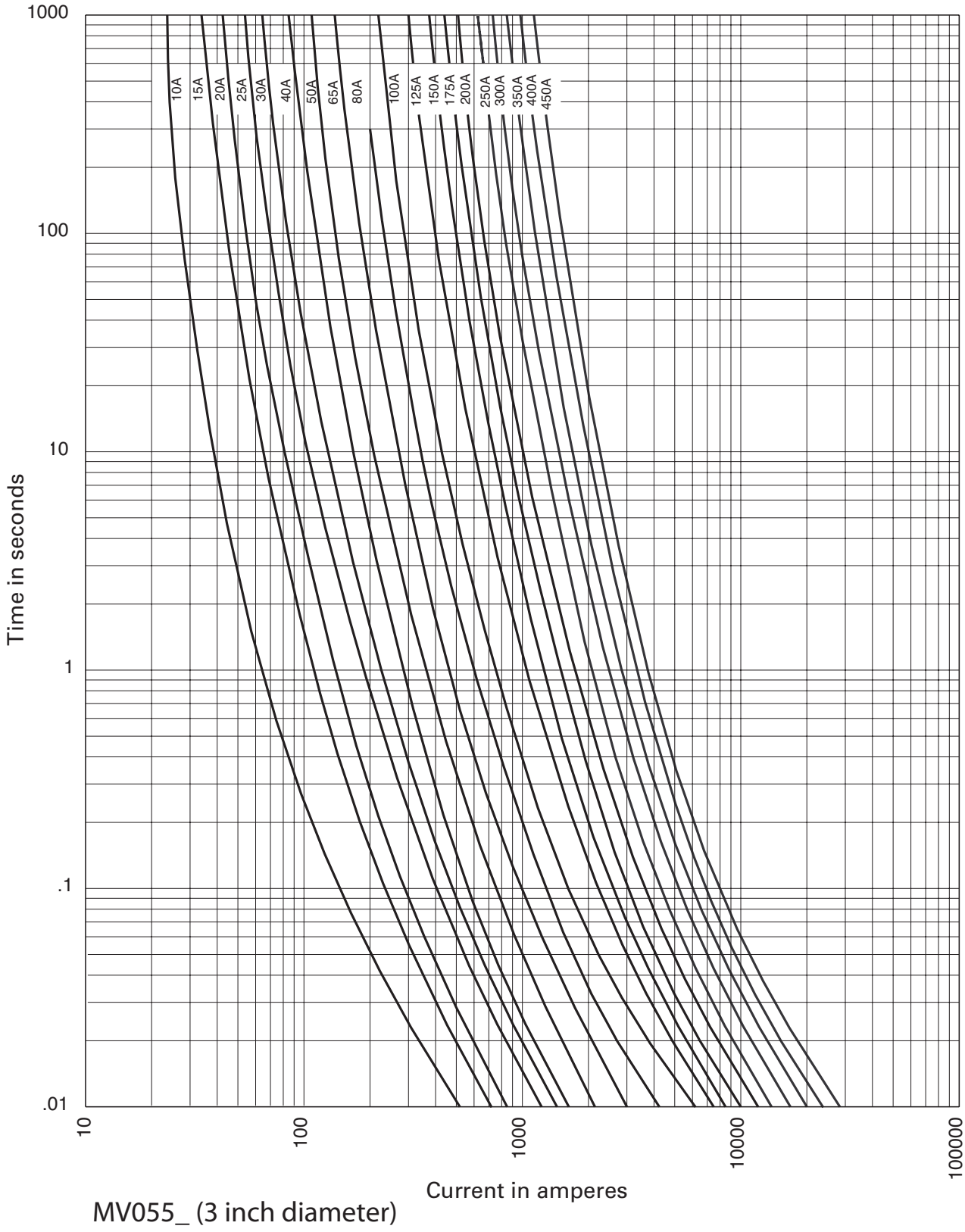
**5.5kV time-current curves — total clear for MV055_ 2 inch diameter fuses**



**5.5kV time-current curves — minimum melt for MV055_ 3 inch diameter fuses**

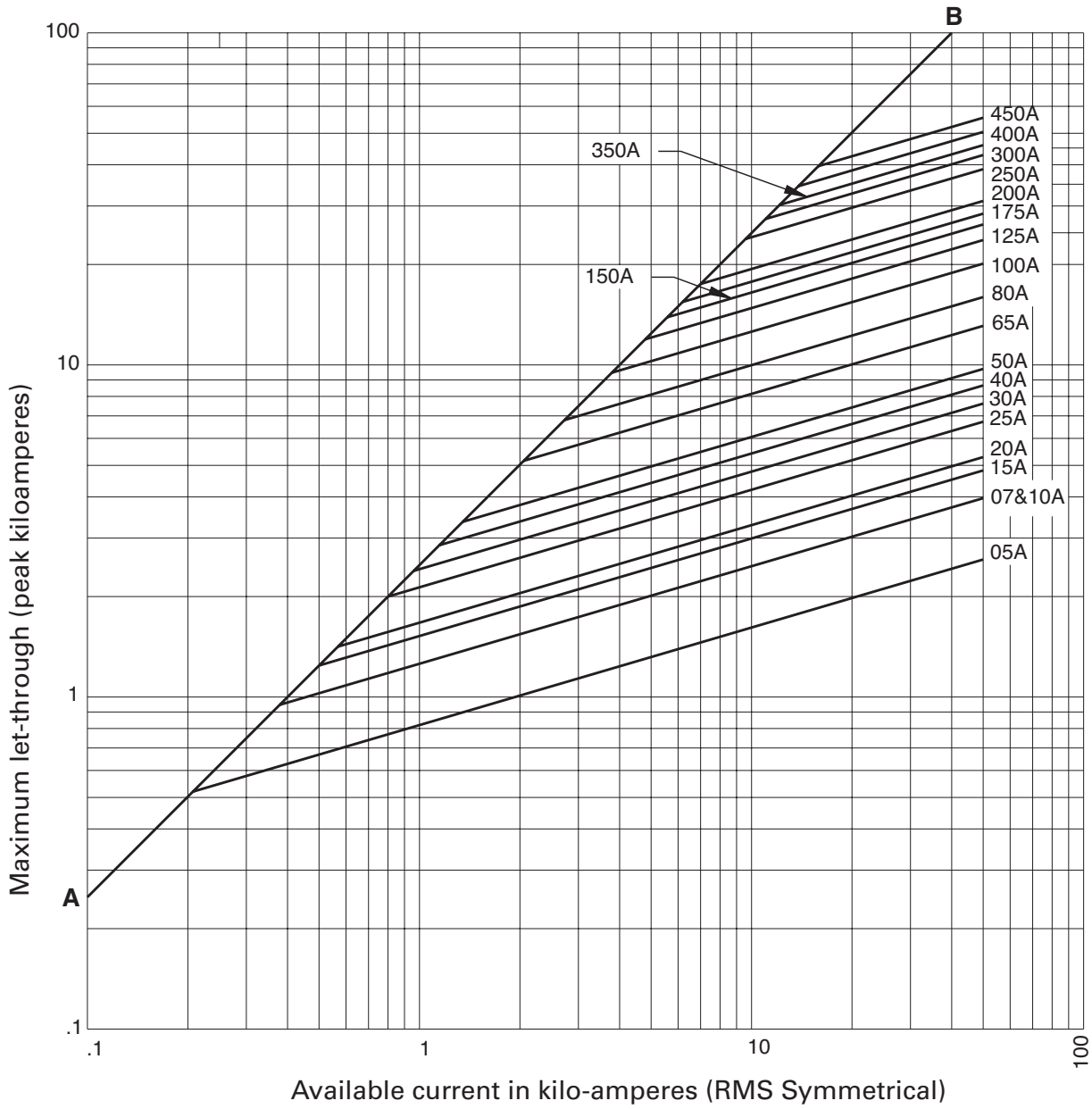


**5.5kV time-current curves — total clear for MV055_ 3 inch diameter fuses**




MV055_ (3 inch diameter)

**5.5kV peak let-through for MV055_ 2 and 3 inch diameter fuses**

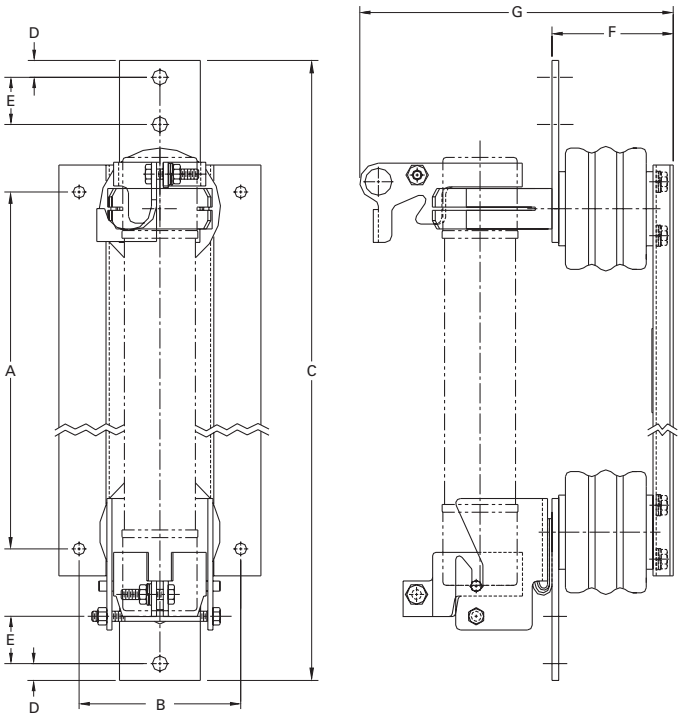



MV055_ (2 and 3 inch diameter)

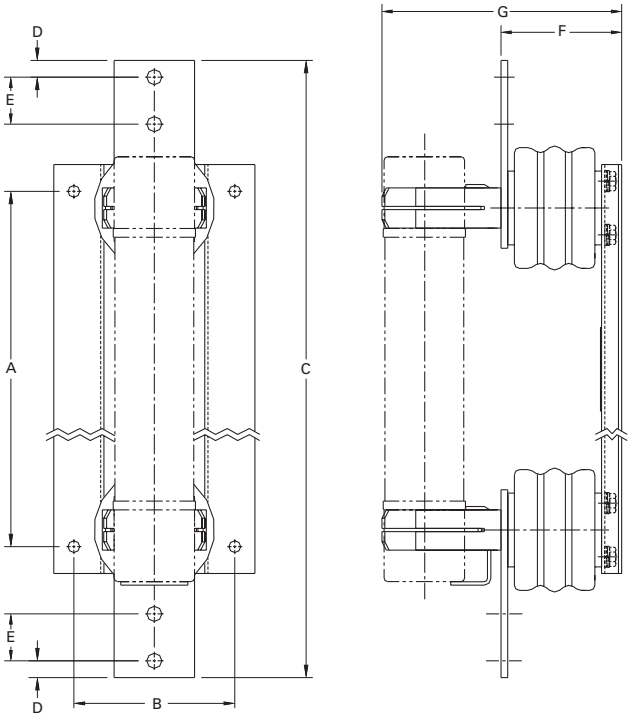
### CLE and HLE type mountings - in (mm)

| Catalog number | Hole centers A | B | Overall length C | Hole Inset D | Hole centers E | Contact height F | Overall height G | BIL kV |
|---|---|---|---|---|---|---|---|---|
| **Disconnect single barrel†** | | | | | | | | |
| 5CLE-GDM-C | 12.74 (323.6) | 6 (152.4) | 25.5 (647.7) | 0.75 (19) | 1.75 (44.4) | 4.5 (114.3) | 9.75 (247.6) | 60 |
| 5CLE-PDM-C | 12.74 (323.6) | 6 (152.4) | 25.5 (647.7) | 0.75 (19) | 1.75 (44.4) | 4.5 (114.3) | 9.75 (247.6) | 60 |
| 5CLE-GDM-D | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 11.72 (297.7) | 60 |
| 5CLE-PDM-D | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 11.72 (297.7) | 60 |
| 5HLE-GDM-D | 16.25 (412.8) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 11.72 (297.7) | 60 |
| 5HLE-PDM-D | 16.25 (412.8) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 11.72 (297.7) | 60 |
| **Disconnect double barrel†** | | | | | | | | |
| 5CLE-GDM-E | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 15.28 (388.1) | 60 |
| 5CLE-PDM-E | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 15.28 (388.1) | 60 |
| 5HLE-GDM-E | 16.25 (412.8) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 15.28 (388.1) | 60 |
| 5HLE-PDM-E | 16.25 (412.8) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 15.28 (388.1) | 60 |
| **Non-disconnect single barrel** | | | | | | | | |
| 5CLE-GNM-C | 12.75 (323.8) | 6 (152.4) | 22 (558.8) | 0.75 (19) | 1.75 (44.4) | 4.5 (114.3) | 7.25 (184.1) | 60 |
| 5CLE-PNM-C | 12.75 (323.8) | 6 (152.4) | 22 (558.8) | 0.75 (19) | 1.75 (44.4) | 4.5 (114.3) | 7.25 (184.1) | 60 |
| 5CLE-GNM-D | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 8.79 (223.3) | 60 |
| 5CLE-PNM-D | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 8.79 (223.3) | 60 |
| 5HLE-GNM-D | 16.25 (412.7) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 8.79 (223.3) | 60 |
| 5HLE-PNM-D | 16.25 (412.7) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 8.79 (223.3) | 60 |
| **Non-disconnect double barrel** | | | | | | | | |
| 5CLE-GNM-E | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.42 (36.1) | 4.5 (114.3) | 12.48 (317) | 60 |
| 5CLE-PNM-E | 15.24 (387.1) | 6 (152.4) | 25 (635) | 0.62 (15.7) | 1.42 (36.1) | 4.5 (114.3) | 12.48 (317) | 60 |
| 5HLE-GNM-E | 16.25 (412.7) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 12.48 (317) | 60 |
| 5HLE-PNM-E | 16.25 (412.7) | 6 (152.4) | 23 (584.2) | 0.62 (15.7) | 1.75 (44.4) | 4.5 (114.3) | 12.48 (317) | 60 |

### CLE and HLE type disconnect mounting†




### CLE and HLE type non-disconnect mounting




† Disconnect mountings provide a means for fuse extraction only. Do not use a disconnect mounting for load switching or fuse removal while energized.

## E-Rated medium voltage specialty mount fuses

**Catalog symbols:**

- _AHLE-_E (for Eaton AMPGARD motor starting assemblies)
- _BHLE-_E/_BHCL-_E (bolt-on version)
- _HCL-_E (clip-lock version)

**Ratings*:**

- Volts
  - 5.5kV
- Amps
  - 10 to 900A
- Interrupting ratings
  - 31 to 63kA RMS Sym

* See catalog number tables for voltages, ampacities and interrupting ratings by catalog number.

**Agency information:**

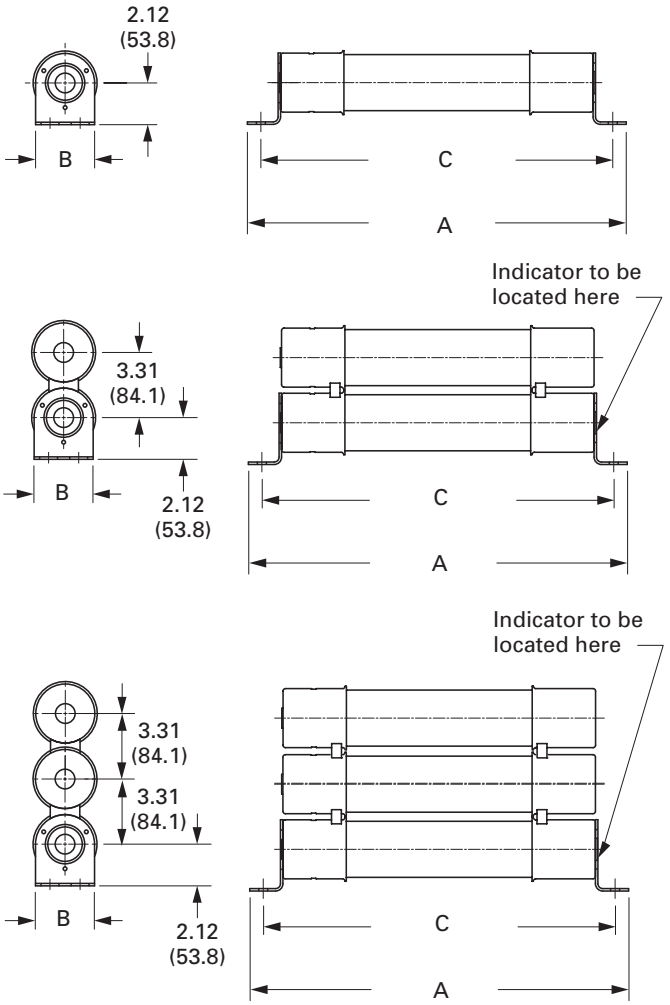
- E-Rated fuses meet the performance characteristics of ANSI C37.46

**Recommended live parts for clip-lock fuses**

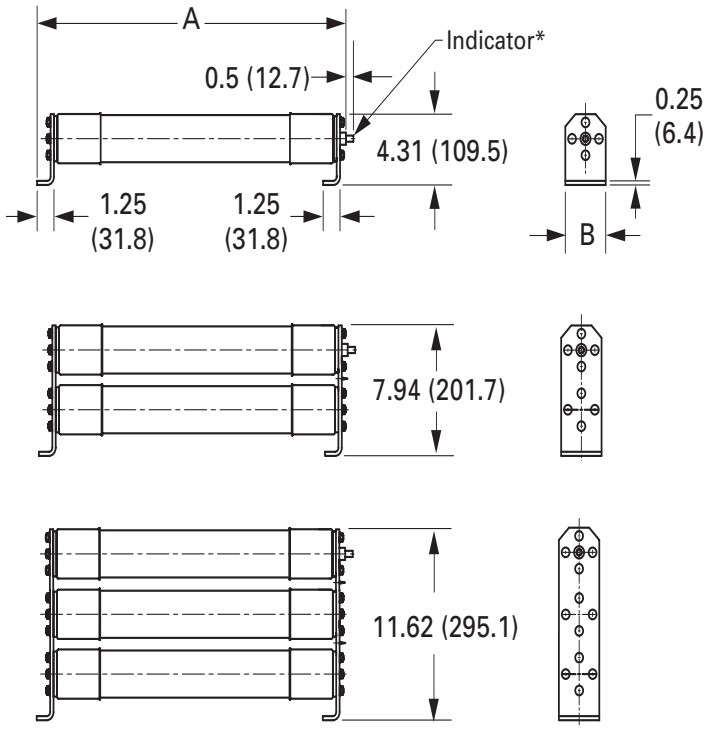
- Catalog number HCL-NL-1

**Dimensions - in (mm)**

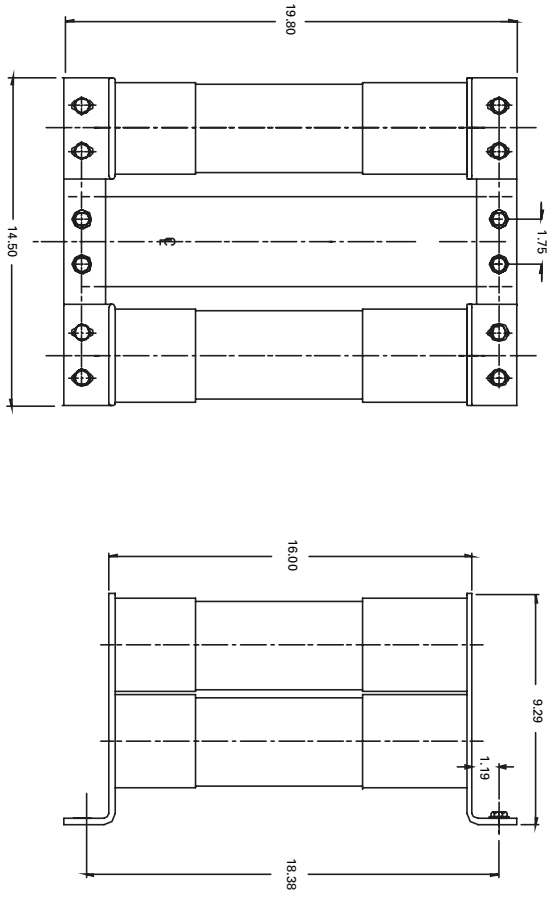
**BHLE bolt-on**




**HCL clip-lock**




**CLE four barrel bolt-on**



### AHLE for Eaton AMPGARD motor starting assemblies

| Amp rating | Interrupting rating kA (RMS Sym.) | Number of barrels | Catalog number |
|---|---|---|---|
| 10 | 63 | 1 | 5AHLE-10E |
| 15 | 63 | 1 | 5AHLE-15E |
| 20 | 63 | 1 | 5AHLE-20E |
| 25 | 63 | 1 | 5AHLE-25E |
| 30 | 63 | 1 | 5AHLE-30E |
| 40 | 63 | 1 | 5AHLE-40E† |
| 50 | 63 | 1 | 5AHLE-50E† |
| 65 | 63 | 1 | 5AHLE-65E† |
| 80 | 63 | 1 | 5AHLE-80E† |
| 100 | 63 | 1 | 5AHLE-100E† |
| 125 | 63 | 1 | 5AHLE-125E† |
| 150 | 63 | 1 | 5AHLE-150E† |
| 175 | 63 | 1 | 5AHLE-175E† |
| 200 | 63 | 1 | 5AHLE-200E† |
| 250 | 63 | 1 | 5AHLE-250E† |
| 300 | 63 | 2 | 5AHLE-300E† |
| 350 | 63 | 2 | 5AHLE-350E† |
| 400 | 63 | 2 | 5AHLE-400E† |
| 450 | 63 | 2 | 5AHLE-450E† |

† UL Listed, Guide JEEG, File E240398.

### HCL clip-lock versions

| | Dimensions - in (mm) | | | Interrupting rating kA (RMS Sym.) | Number of barrels | Installation location | Catalog number |
|---|---|---|---|---|---|---|---|
| Amp rating | Overall length A | Diameter B | Hole centers C | | | | |
| 10 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-10E |
| 15 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-15E |
| 20 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-20E |
| 25 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-25E |
| 30 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-30E |
| 40 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-40E† |
| 50 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-50E† |
| 65 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-65E† |
| 80 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-80E† |
| 100 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-100E† |
| 125 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-125E† |
| 150 | 16.8 (427) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-150E† |
| 200 | 22.8 (579) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-200E† |
| 250 | 22.8 (579) | 3 (76) | N/A | 63 | 1 | Indoor | 5HCL-250E† |
| 300 | 22.8 (579) | 3 (76) | N/A | 63 | 2 | Indoor | 5HCL-300E† |
| 400 | 22.8 (579) | 3 (76) | N/A | 63 | 2 | Indoor | 5HCL-400E† |
| 450 | 22.8 (579) | 3 (76) | N/A | 63 | 2 | Indoor | 5HCL-450E† |
| 500 | 22.8 (579) | 3 (76) | N/A | 63 | 2 | Indoor | 5HCL-500E |
| 600 | 22.8 (579) | 3 (76) | N/A | 63 | 2 | Indoor | 5HCL-600E |
| 750 | 22.8 (579) | 3 (76) | N/A | 63 | 3 | Indoor | 5HCL-750E |
| 900 | 22.8 (579) | 3 (76) | N/A | 63 | 3 | Indoor | 5HCL-900E |

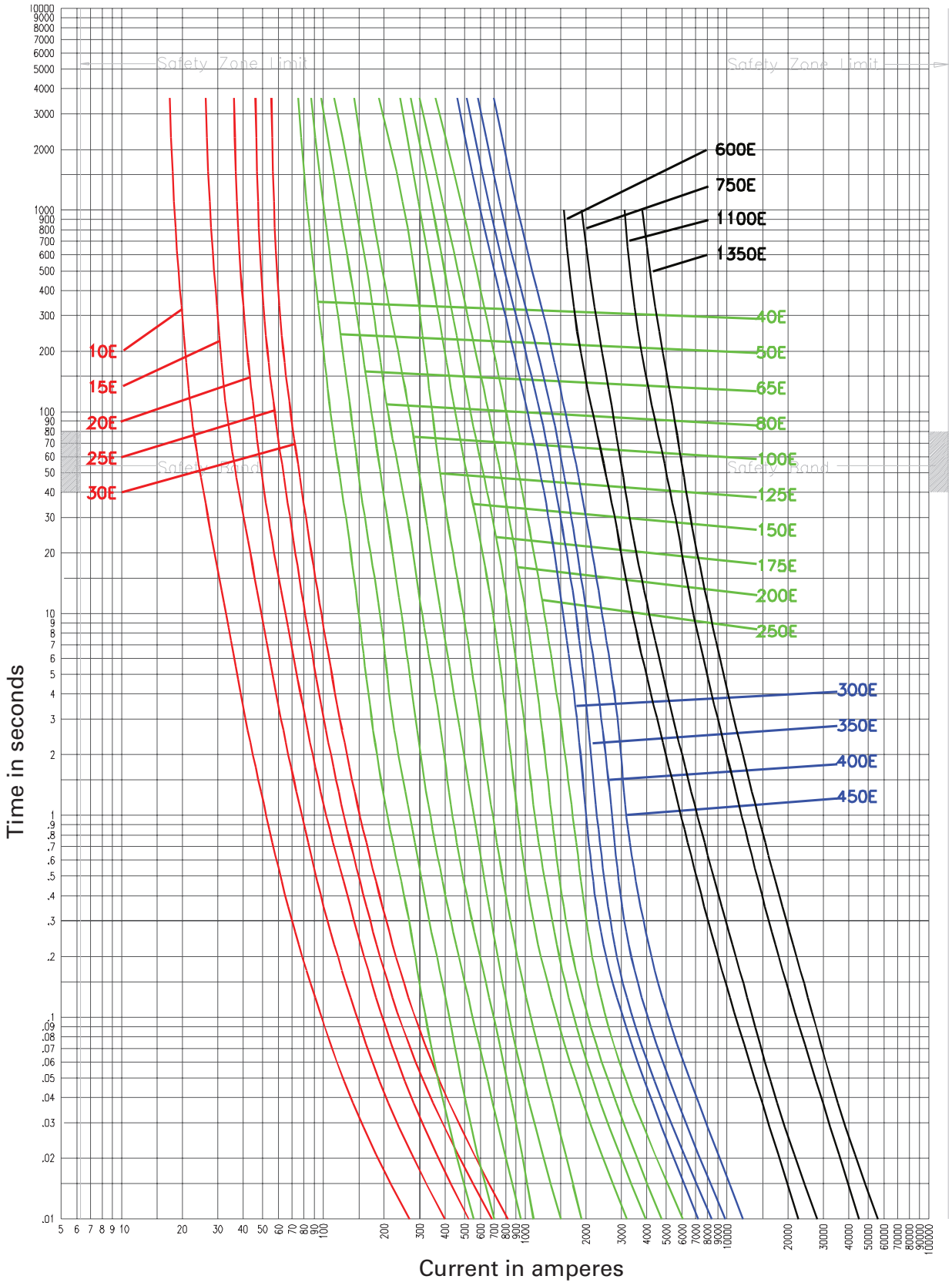
† UL Listed, Guide JEEG, File E240398.

### CLE, BHLE and BHCL bolt-on versions

| Amp rating | Dimensions - in (mm) Overall length A | Diameter B | Hole centers C | Interrupting rating kA (RMS Sym.) | Number of barrels | Installation location | Catalog number |
|---|---|---|---|---|---|---|---|
| 10 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-10E |
| 15 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-15E |
| 20 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-20E |
| 25 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-25E |
| 30 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-30E |
| 40 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-40E† |
| 50 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-50E† |
| 65 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-65E† |
| 80 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-80E† |
| 100 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-100E† |
| 125 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-125E† |
| 150 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-150E† |
| 175 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-175E† |
| 200 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-200E† |
| 200 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 1 | Indoor | 5BHCL-200E |
| 250 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 1 | Indoor | 5BHLE-250E† |
| 250 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 1 | Indoor | 5BHCL-250E |
| 300 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 2 | Indoor | 5BHLE-300E† |
| 300 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 2 | Indoor | 5BHCL-300E |
| 350 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 2 | Indoor | 5BHLE-350E† |
| 400 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 2 | Indoor | 5BHLE-400E† |
| 400 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 2 | Indoor | 5BHCL-400E |
| 450 | 19.2 (488) | 3 (76) | 17.9 (455) | 63 | 2 | Indoor | 5BHLE-450E† |
| 450 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 2 | Indoor | 5BHCL-450E |
| 500 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 2 | Indoor | 5BHCL-500E |
| 600 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 2 | Indoor | 5BHCL-600E |
| 600 | 28.9 (734) | 4 (102) | 18.4 (467) | 40 | 2 | Indoor | 5CLE-600E |
| 750 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 3 | Indoor | 5BHCL-750E |
| 750 | 28.9 (734) | 4 (102) | 18.4 (467) | 40 | 2 | Indoor | 5CLE-750E |
| 900 | 25.1 (637) | 3 (76) | 23.7 (602) | 63 | 3 | Indoor | 5BHCL-900E |
| 1100 | 19.8 (503) | 4 (102) | 18.4 (467) | 31 | 4 | Indoor | 5CLE-1100E |
| 1350 | 19.8 (503) | 4 (102) | 18.4 (467) | 31 | 4 | Indoor | 5CLE-1350E |

† UL Listed, Guide JEEG, File E240398.

**5.5kV time-current curves — minimum melt for 5CLE-_E and 5CLE-_-D**




5CLE-_

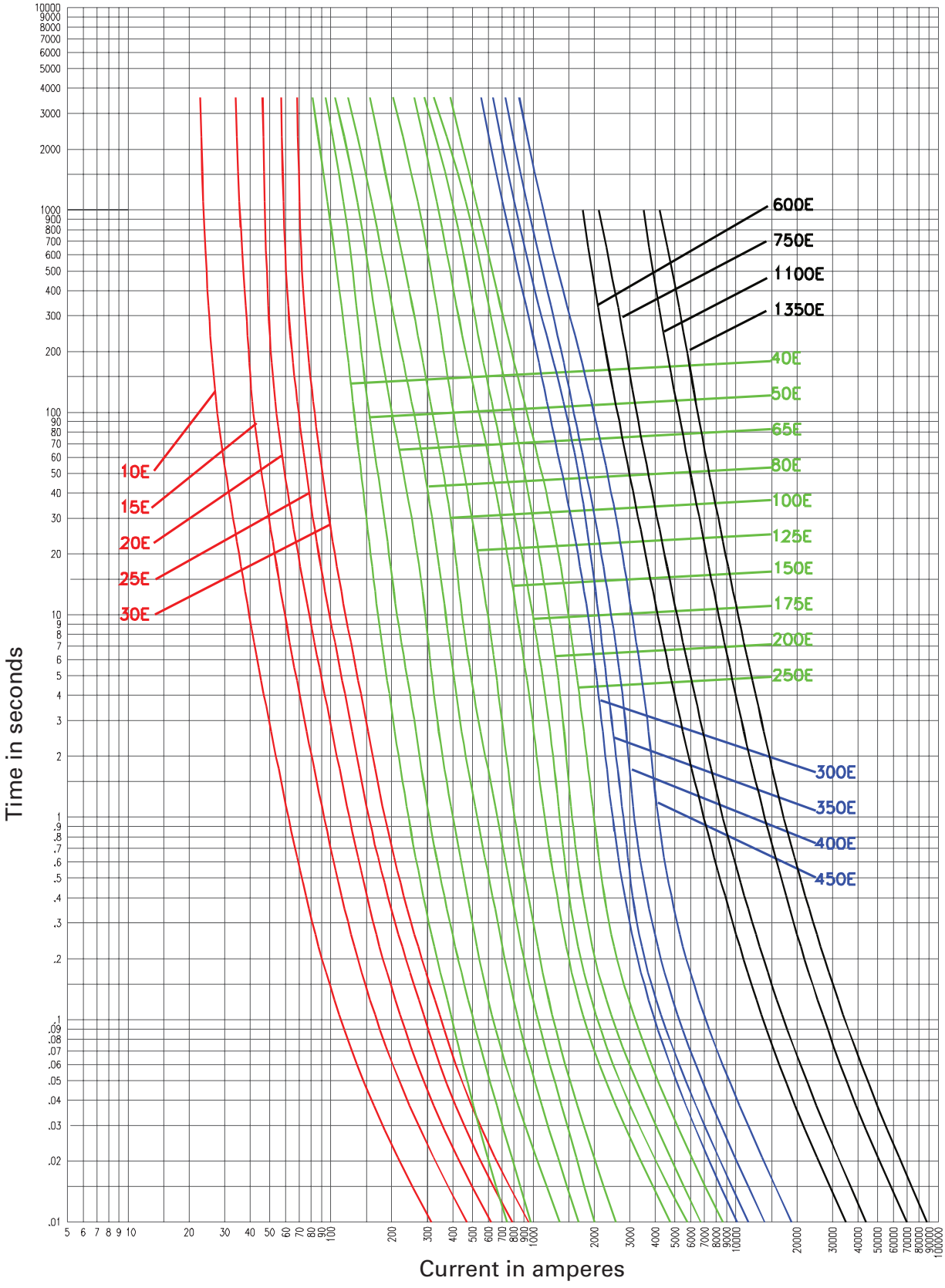
Curve 70548501
April 16, 1999
Reference # 563532

Curve 70545801
April 16, 1999
Reference # 705458

Curve 70546001
April 20, 1999
Reference # 705460

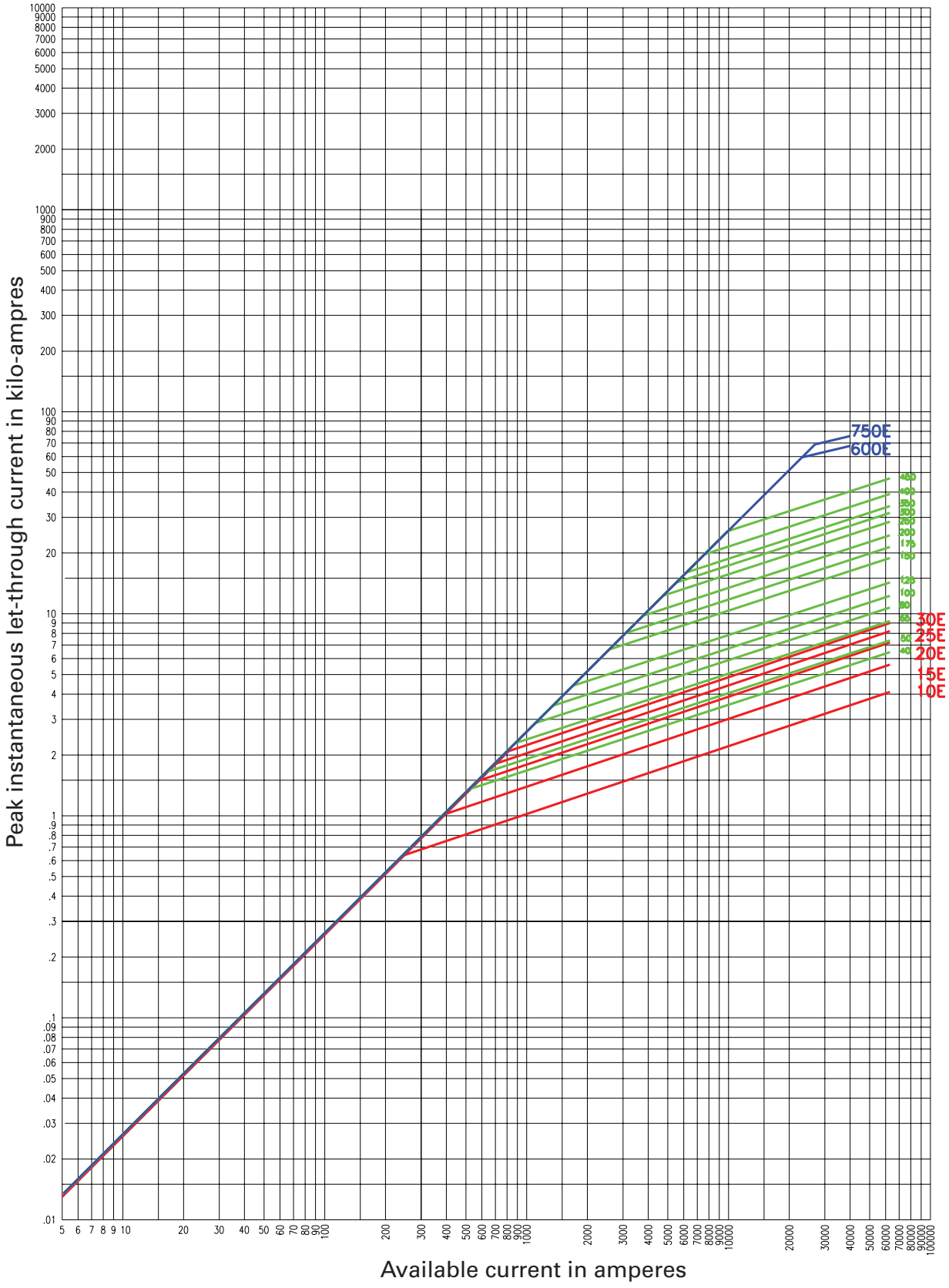
Curve 62908902
April 1999
Reference # 629089

**5.5kV time-current curves — total clear for 5CLE-_E and 5CLE-_-D**




| 5CLE-_ | Curve 70548702<br>April 16, 1999<br>Reference # 563533 | Curve 70545901<br>April 20, 1999<br>Reference # 705459 | Curve 70546101<br>April 20, 1999<br>Reference # 705461 | Curve 62908903<br>April 1999<br>Reference # 629089 |
|---|---|---|---|---|

**5.5kV peak let-through for 5CLE-_E and 5CLE-_-D**



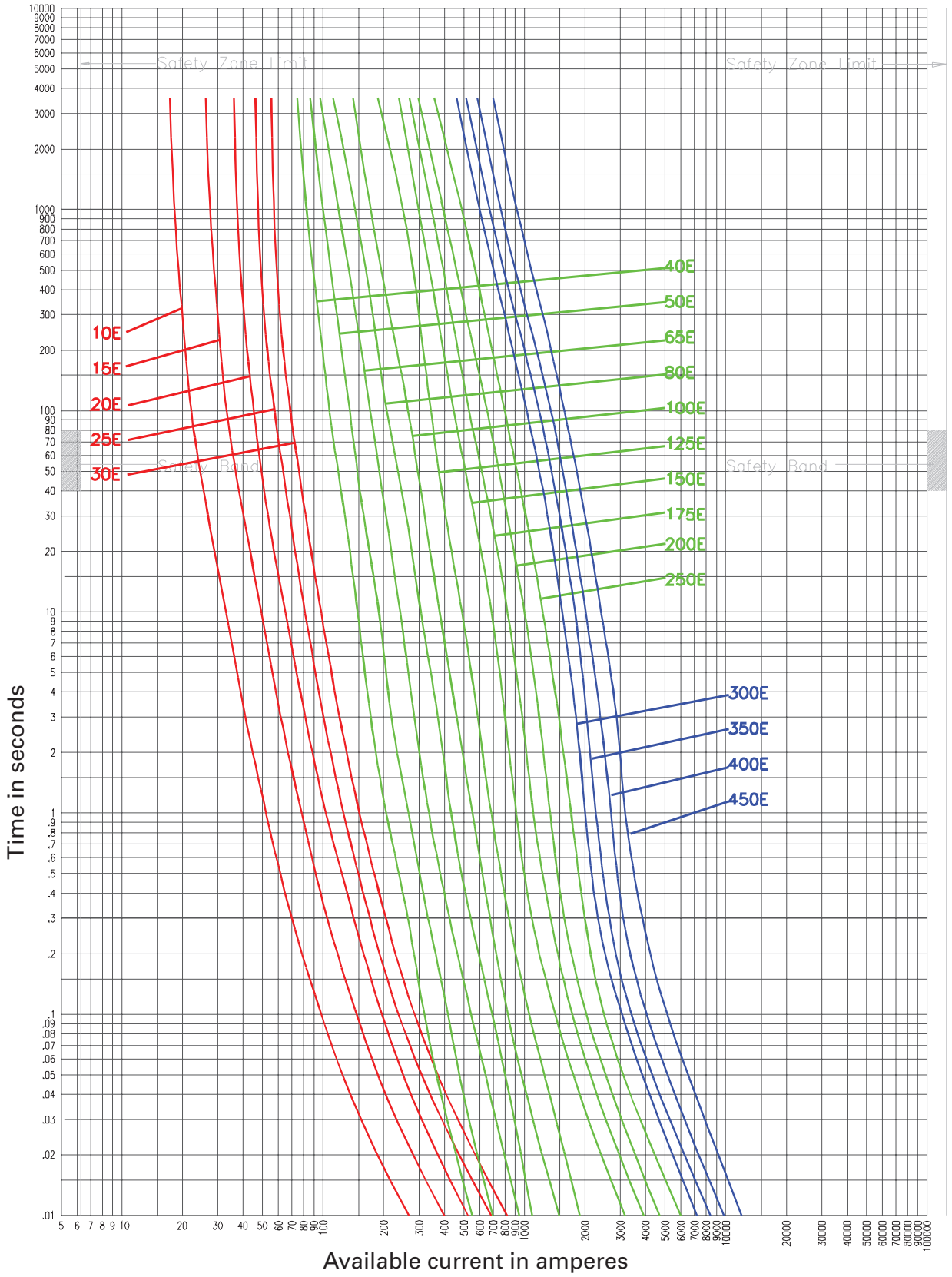

5CLE-_

Curve 70548701
April 1999
Reference # 705487

Curve 70547601
April 1999
Reference # 705476

Curve 62908904
April 1999
Reference # 629089

**5.5kV time-current curves — minimum melt for 5HLE-_E, 5AHLE-_E and 5BHLE-_E**



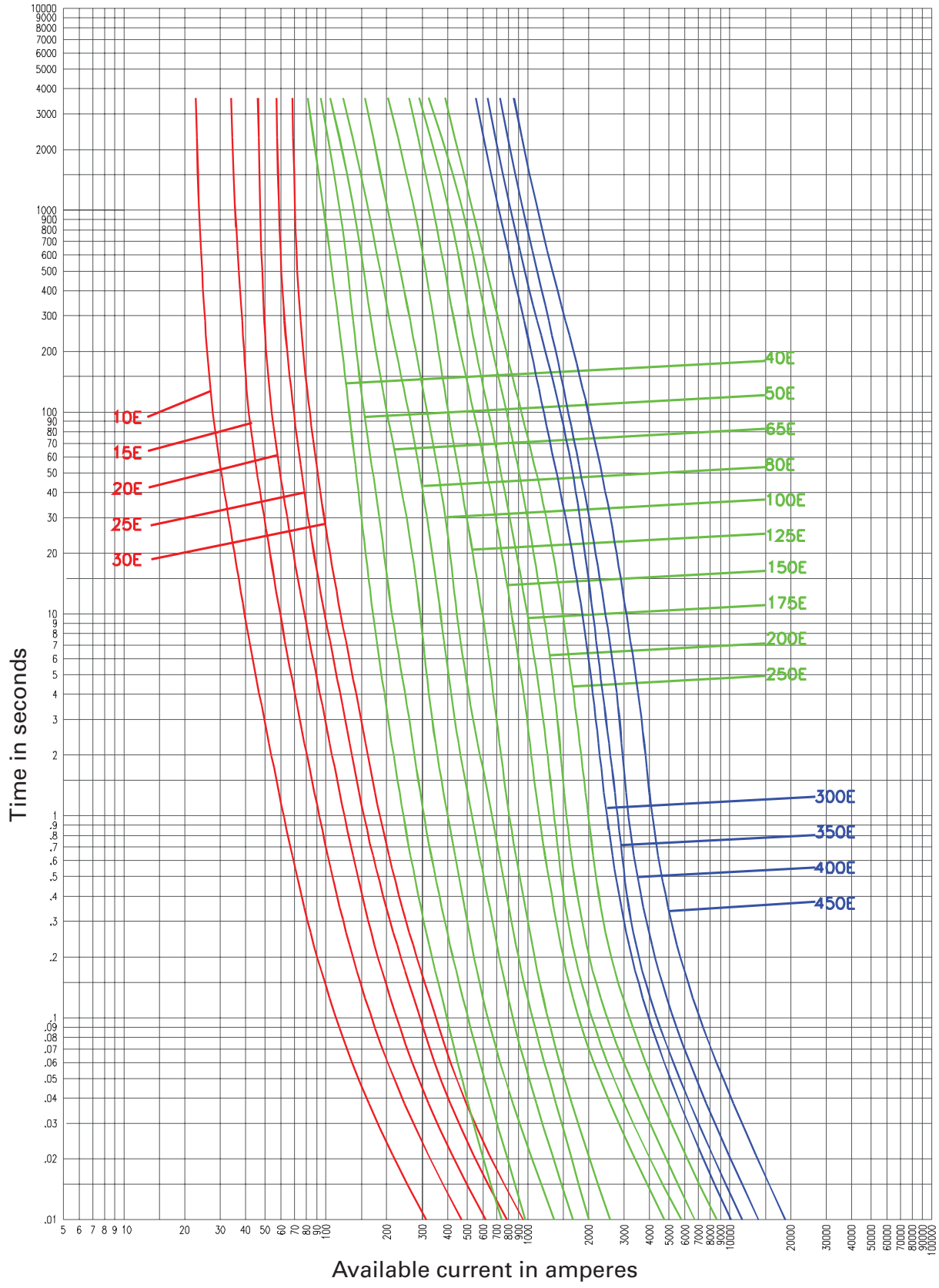

5HLE-_, 5BHLE-_, 5AHLE-_

Curve 70548507
April 16, 1999
Reference # 563532

Curve 70545805
April 16, 1999
Reference # 705458

Curve 70546005
April 20, 1999
Reference # 705460

**5.5kV time-current curves — total clear for 5HLE-_E, 5AHLE-_E and 5BHLE-_E**



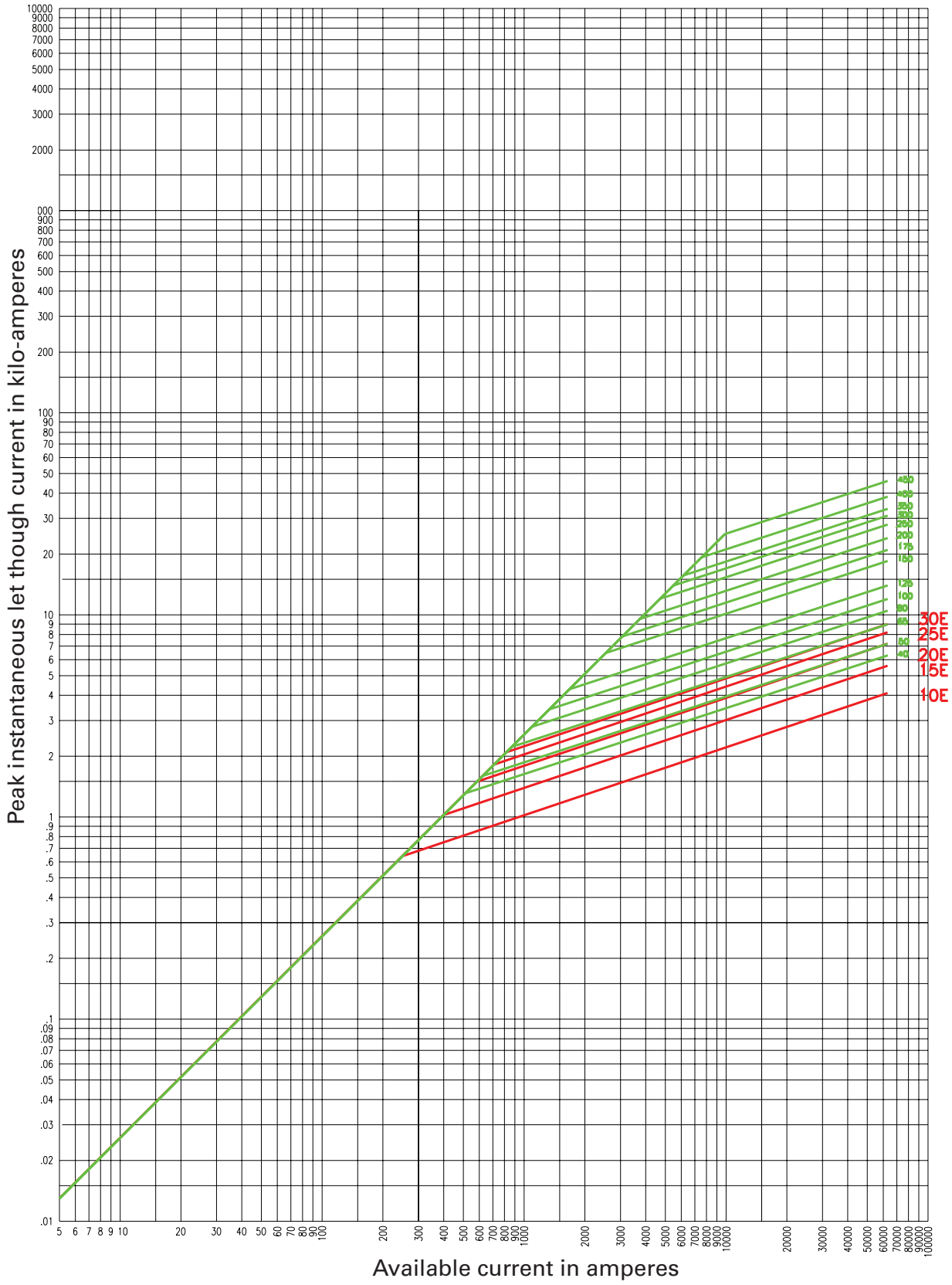

5HLE-_, 5BHLE-_, 5AHLE-_

Curve 70548607
April 16, 1999
Reference # 563533

Curve 70545905
April 20, 1999
Reference # 705459

Curve 70546105
April 20, 1999
Reference # 705461

**5.5kV peak let-through for 5HLE-_E, 5AHLE-_E and 5BHLE-_E**

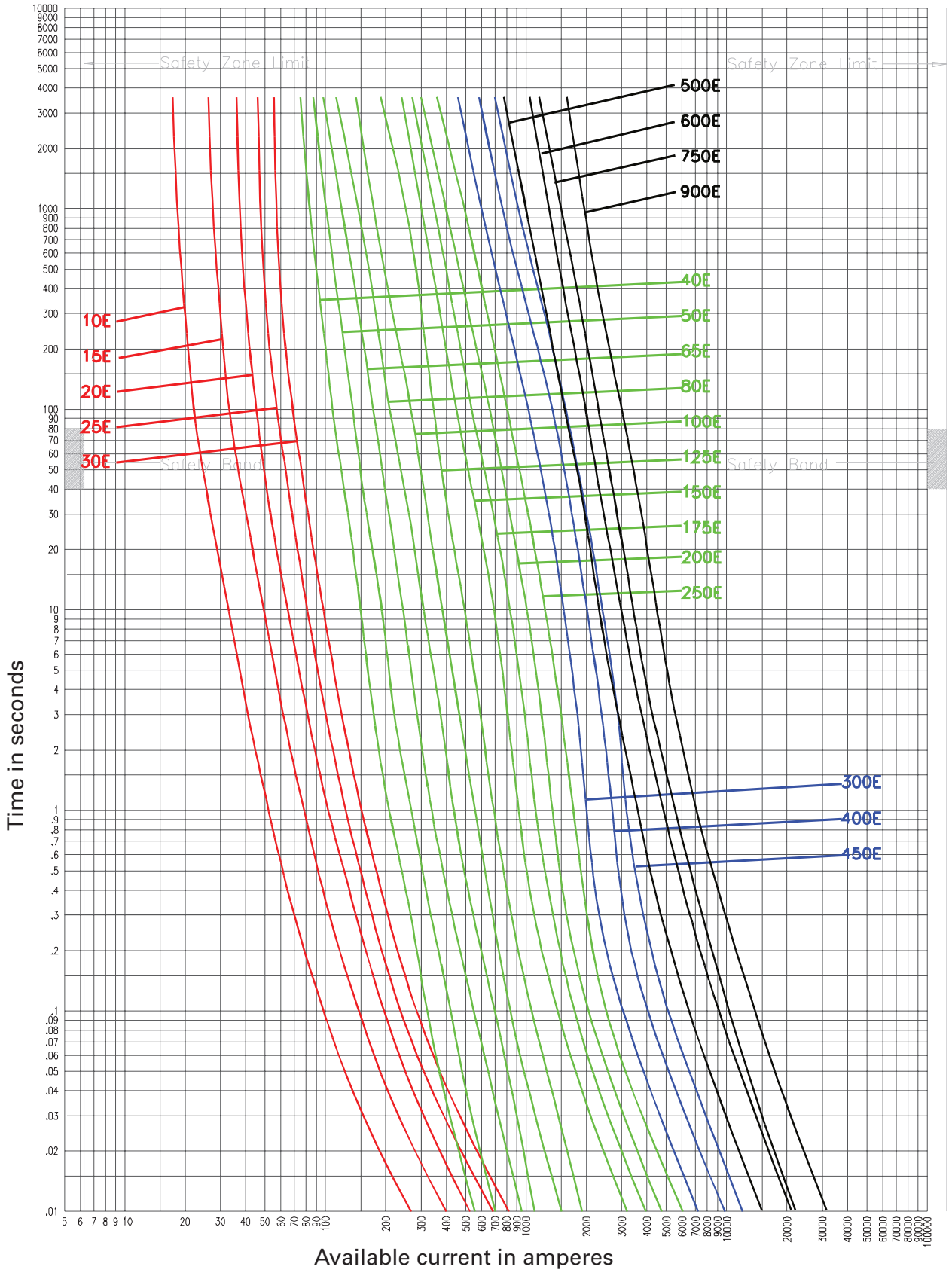



5HLE-_, 5BHLE-_, 5AHLE-_

Curve 70548703
April 1999
Reference # 705487

Curve 70547603
April 1999
Reference # 705476

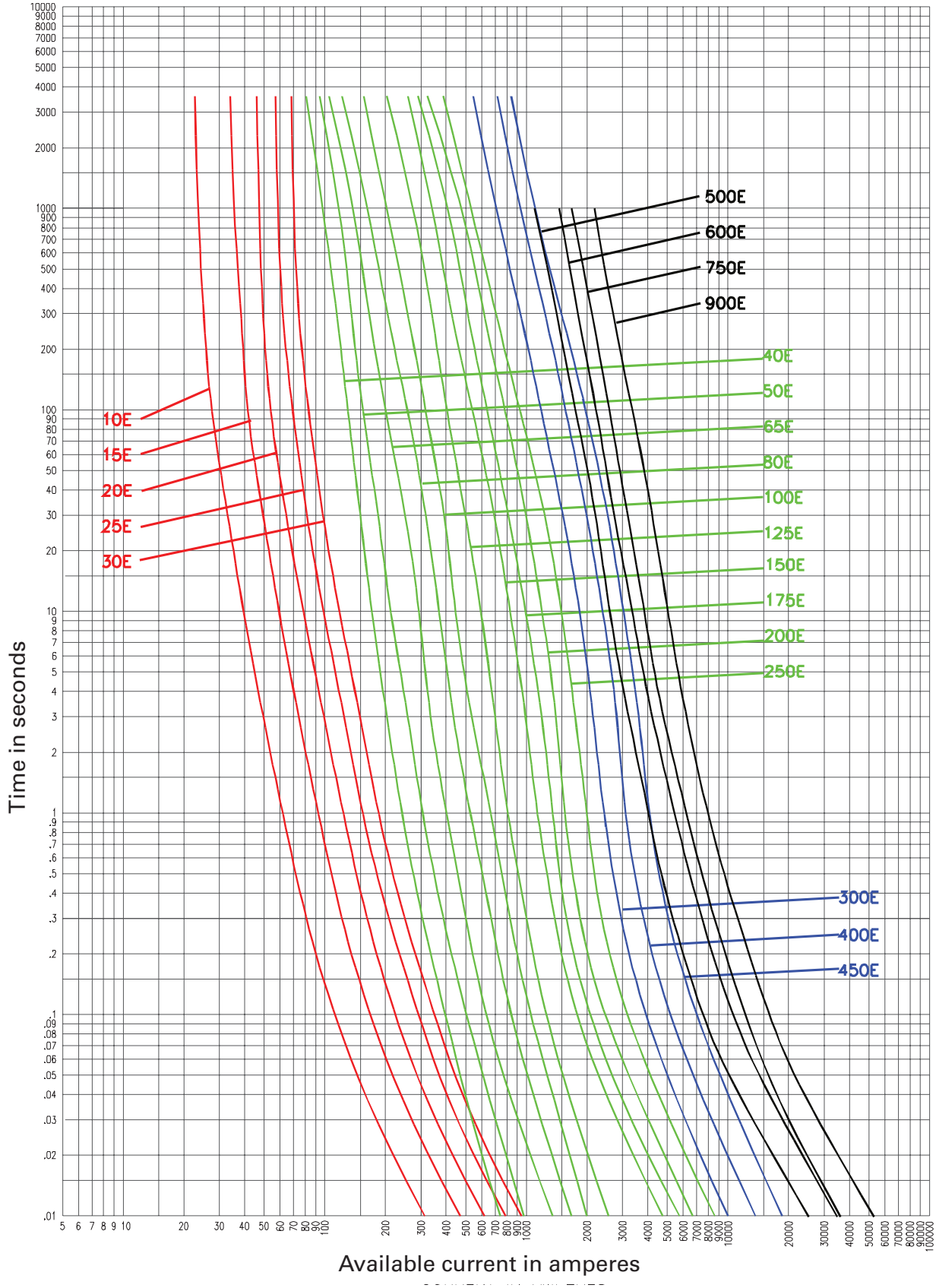
**5.5kV time-current curves — minimum melt for 5HCL-_E**




5HCL-_

Curve 70548505 Janaury 2001
Curve 70545803 January 2001
Curve 70546003 April 2001
Curve 66703401 Janaury 2001

**5.5kV time-current curves — total clear for 5HCL-_E**



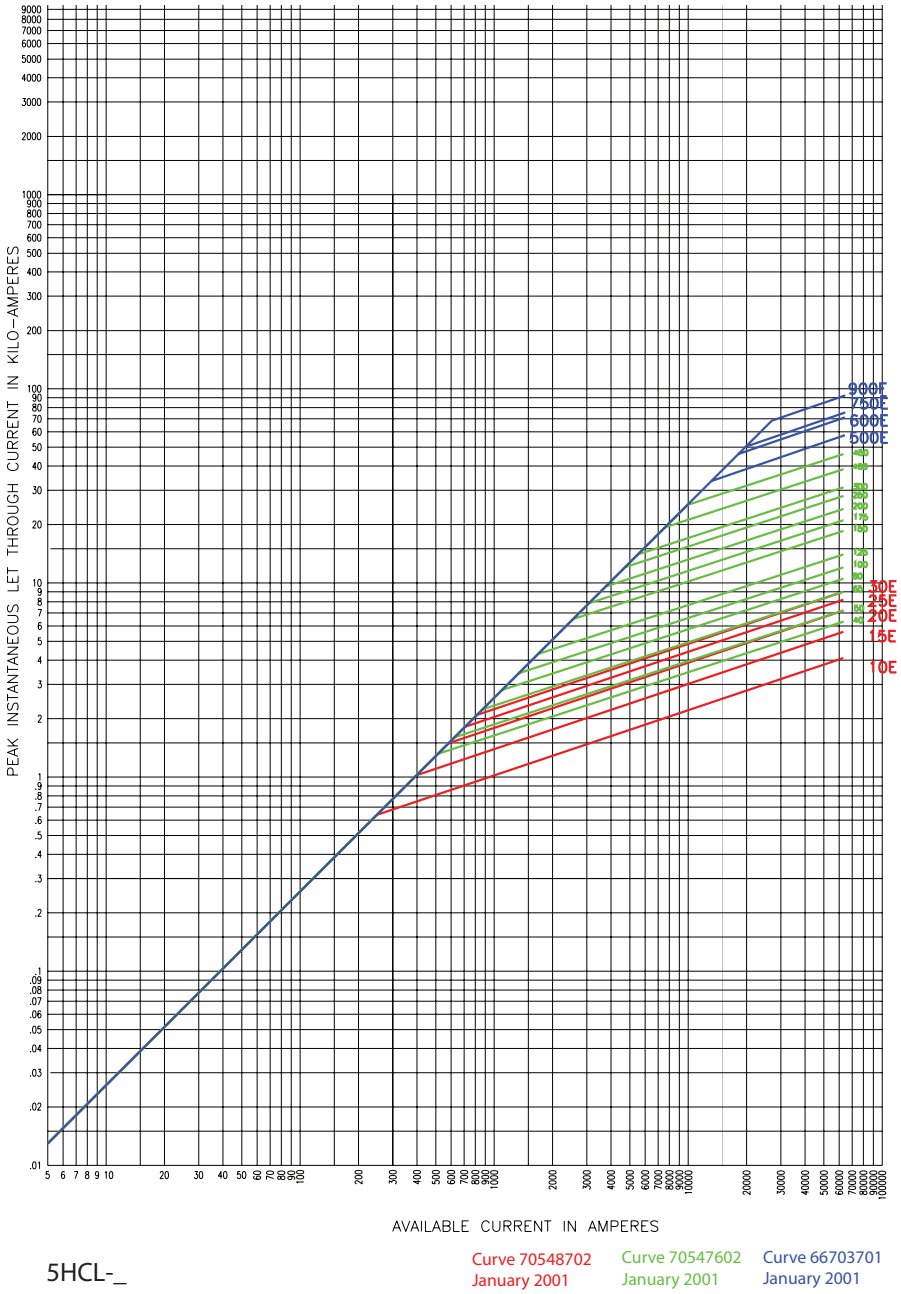

5HCL-_

Curve 70548605
Janaury 2001

Curve 70545903
Janaury 2001

Curve 70516103
Janaury 2001

Curve 66703501
Janaury 2001




5HCL-_

Curve 70548702 January 2001
Curve 70547602 January 2001
Curve 66703701 January 2001

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**«FORSTAR»** (основан в 1998 г.)

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