# 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*:

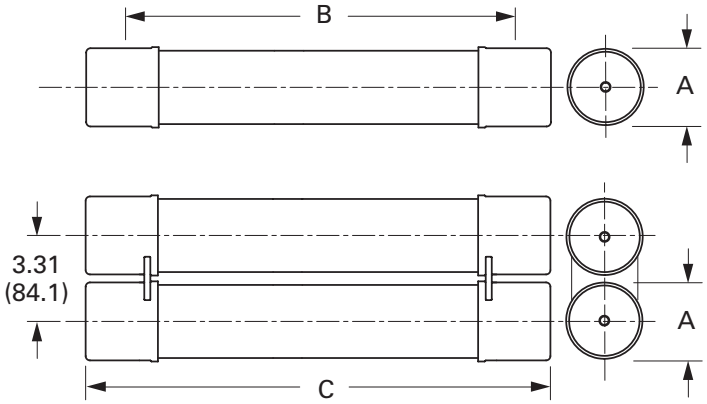
- Volts
  - 5.5kV
- Amps
  - 1 to 1350A
- Interrupting ratings
  - 40 to 63kA RMS Sym

* 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.

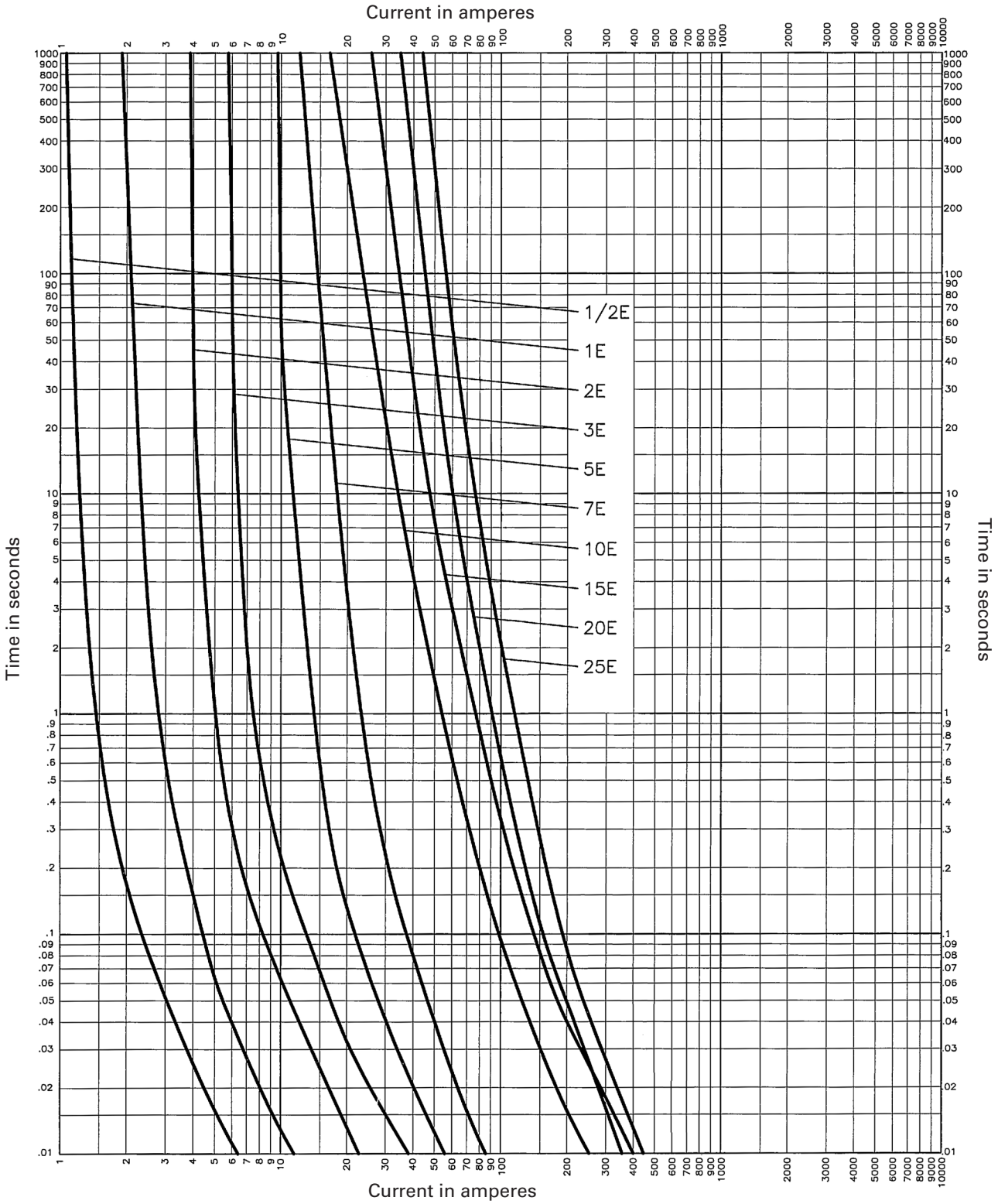
## CLE, HLE and JCY general purpose

| 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.

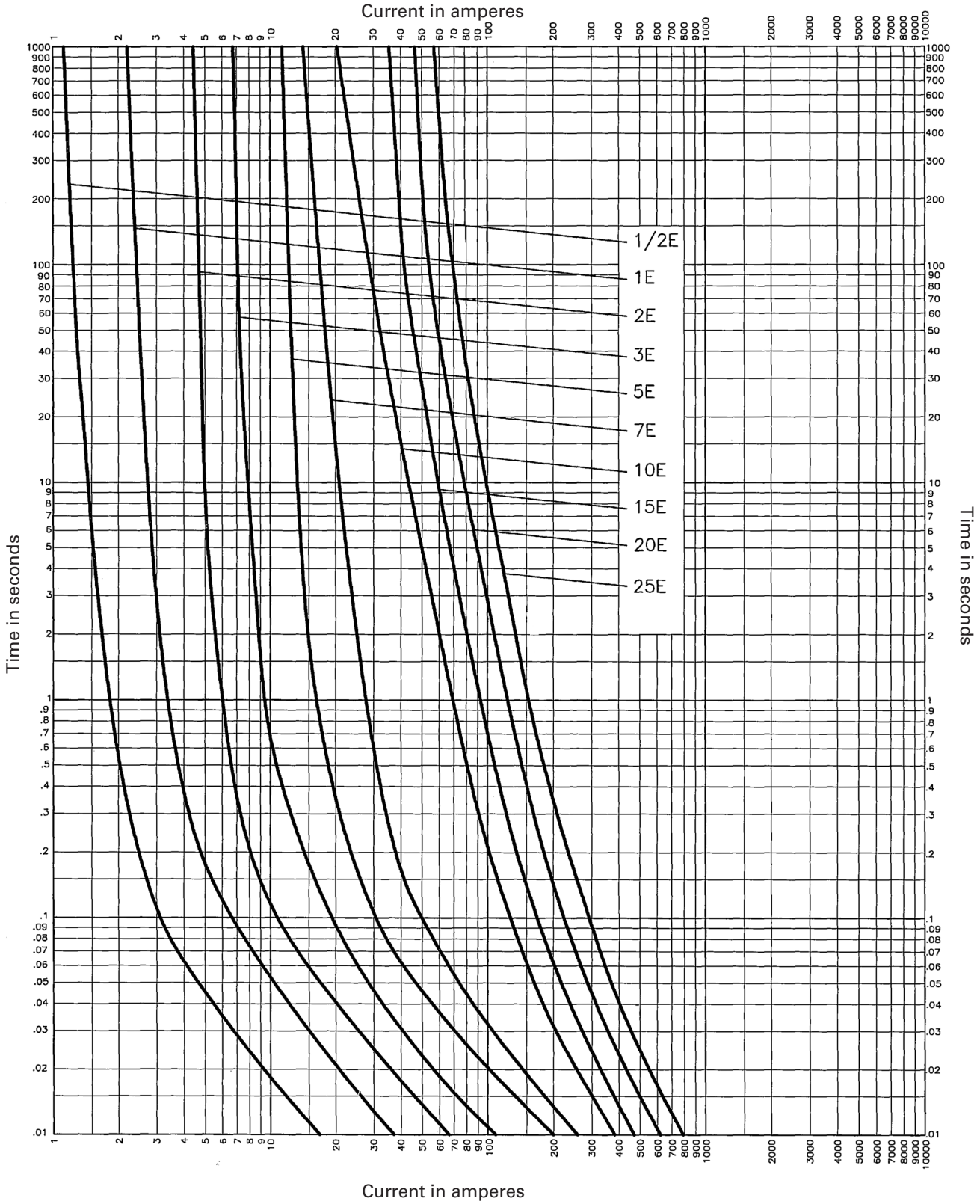
† UL Listed, Guide JEEG, File E240398.

**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

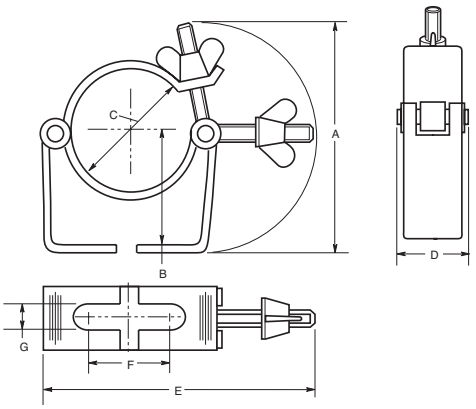



Figure 2

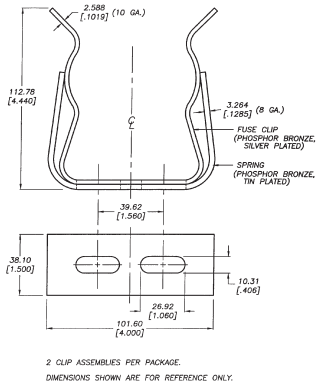
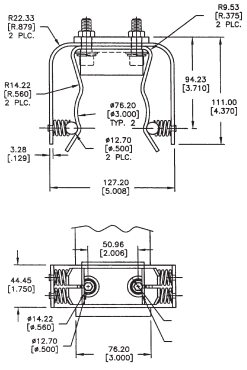
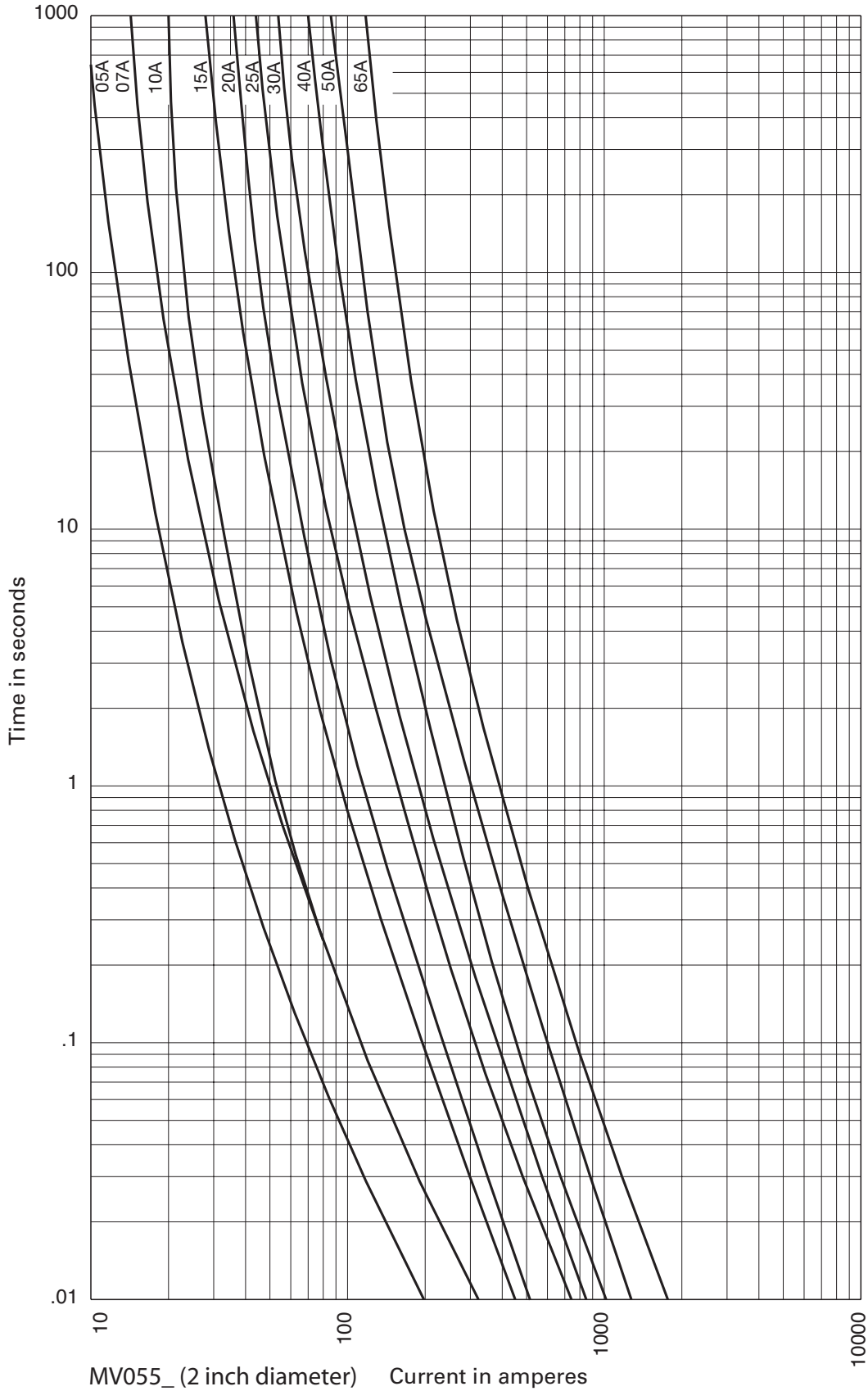


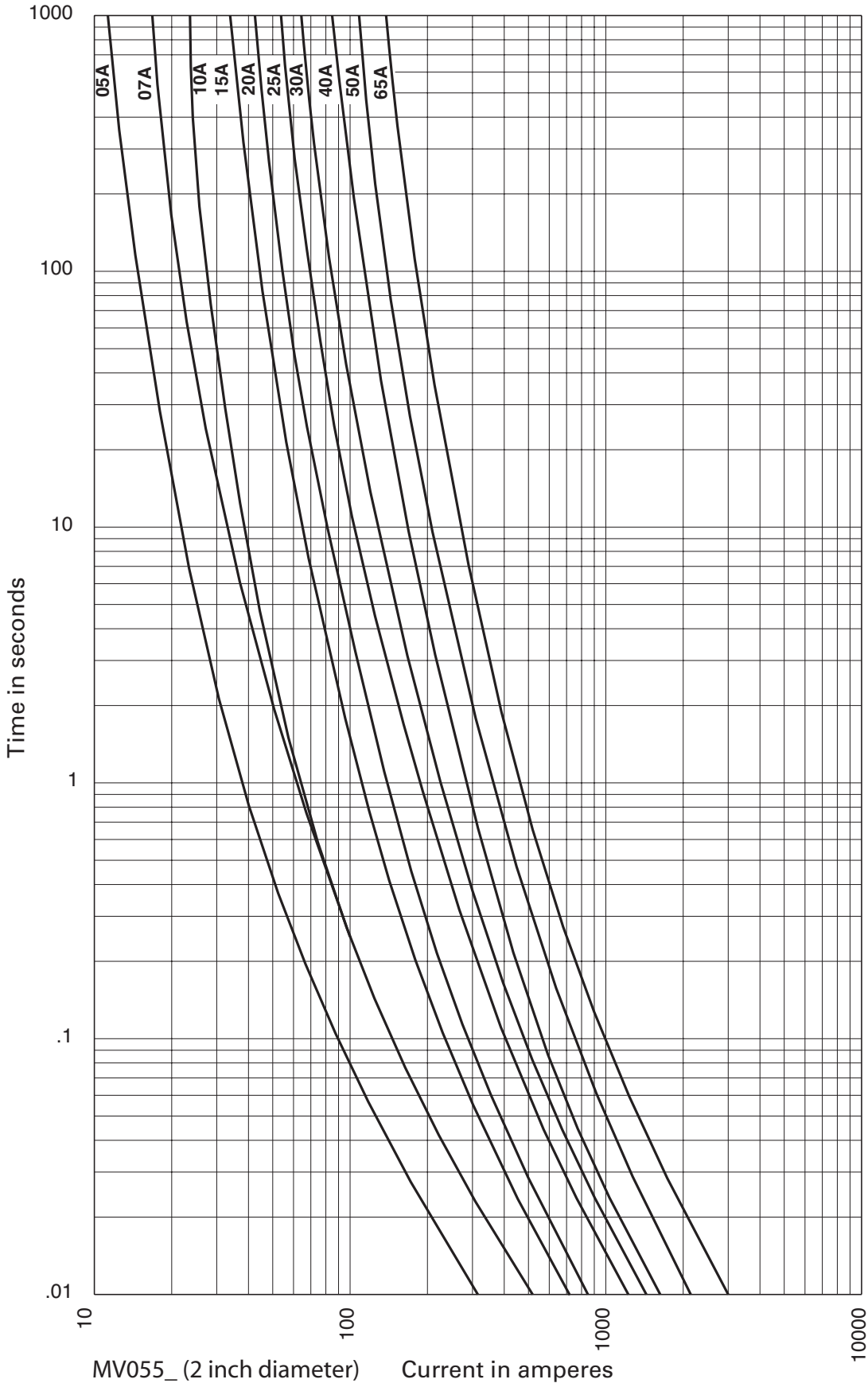

Figure 3



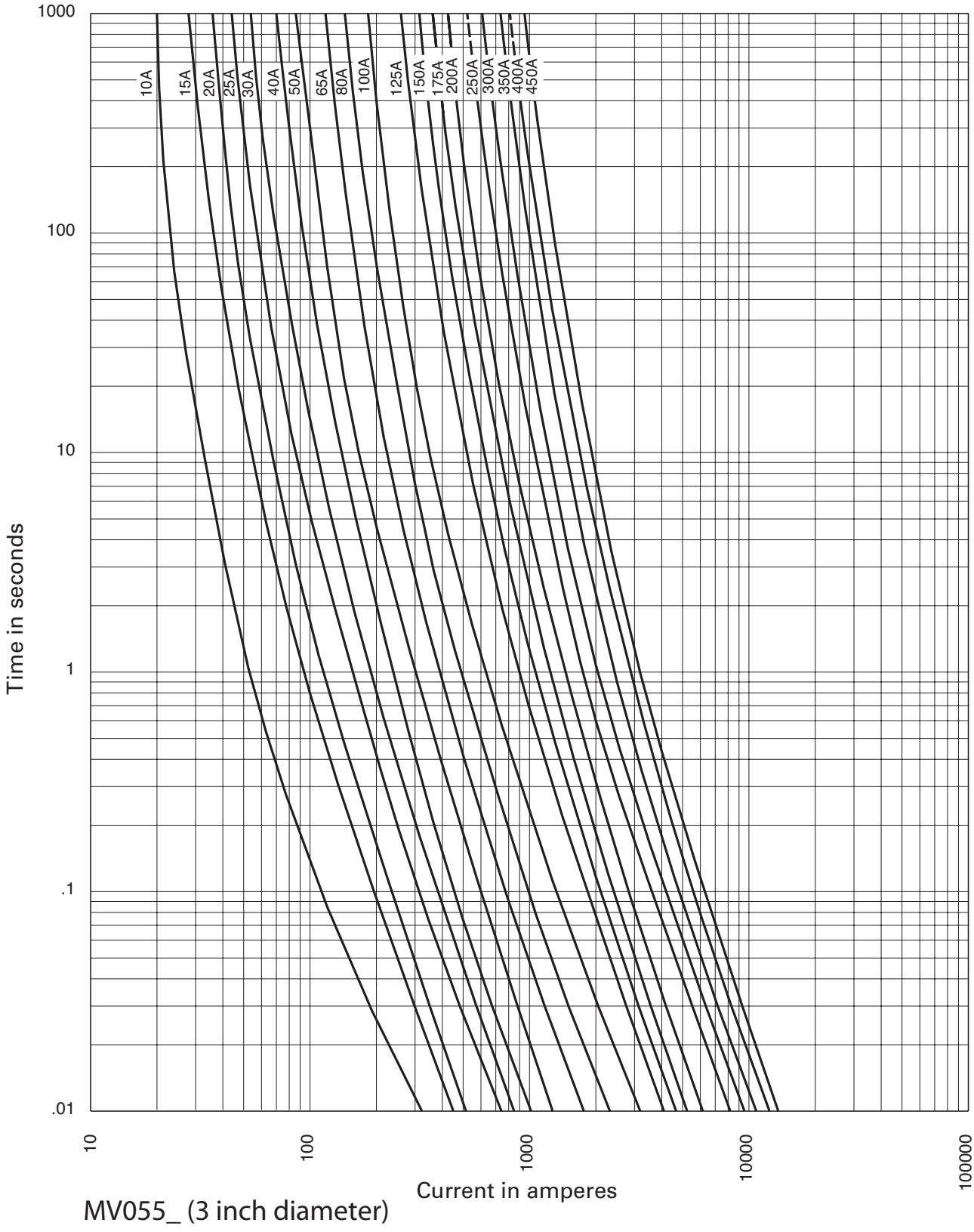
**5.5kV time-current curves — minimum melt for MV055_ 2 inch diameter fuses**



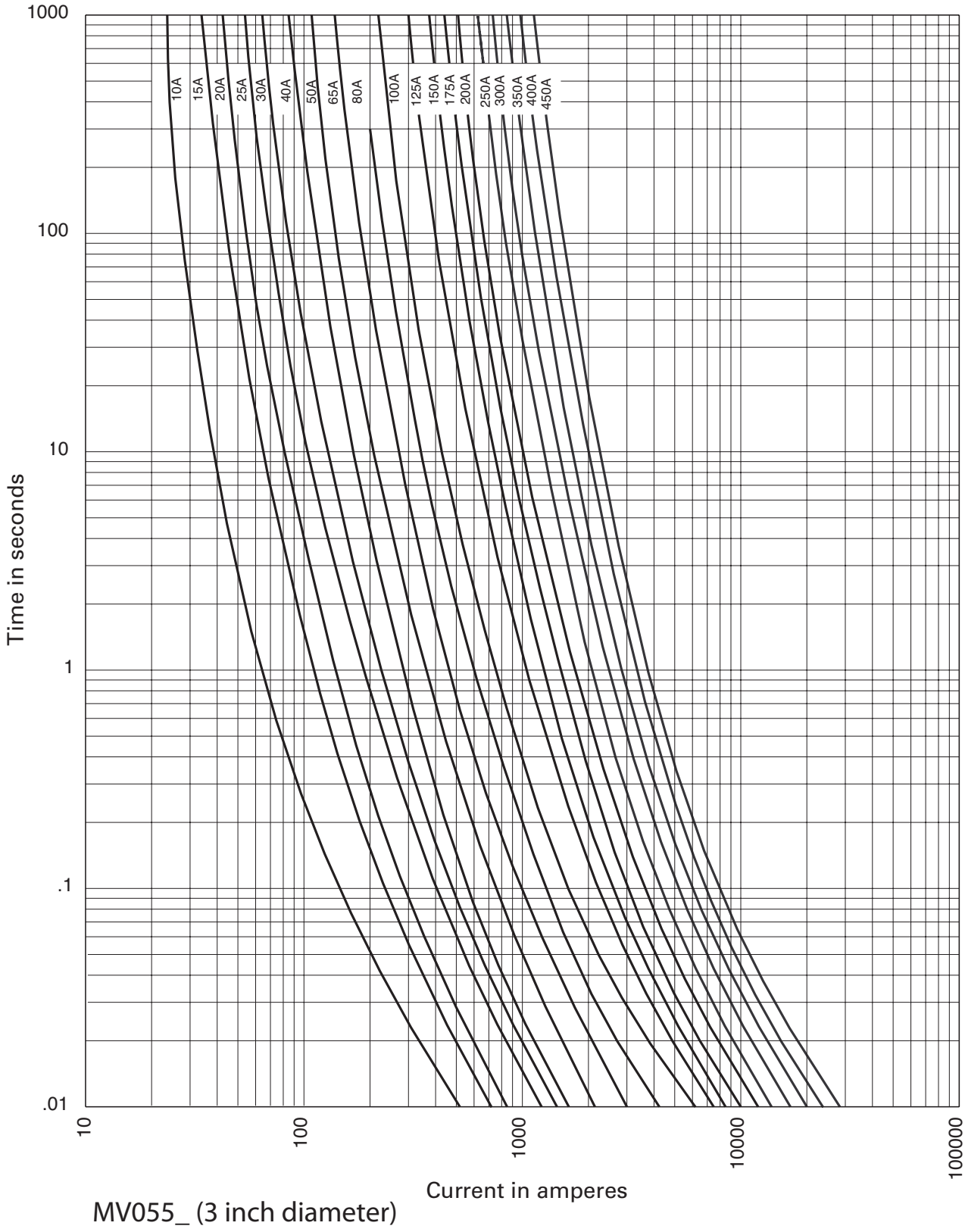
**5.5kV time-current curves — total clear for MV055_ 2 inch diameter fuses**



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

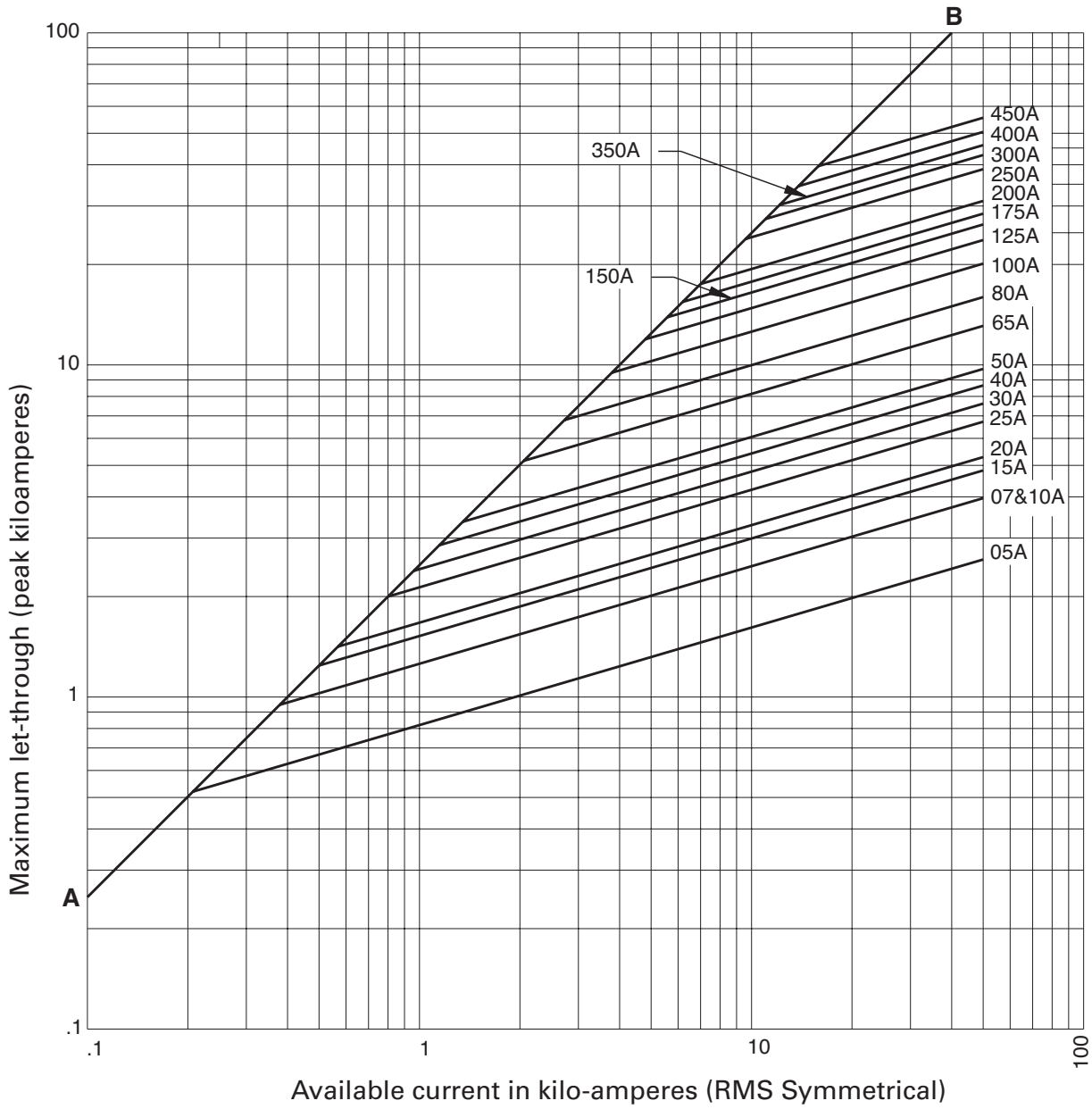


**5.5kV time-current curves — total clear for MV055_ 3 inch diameter fuses**




MV055_ (3 inch diameter)

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

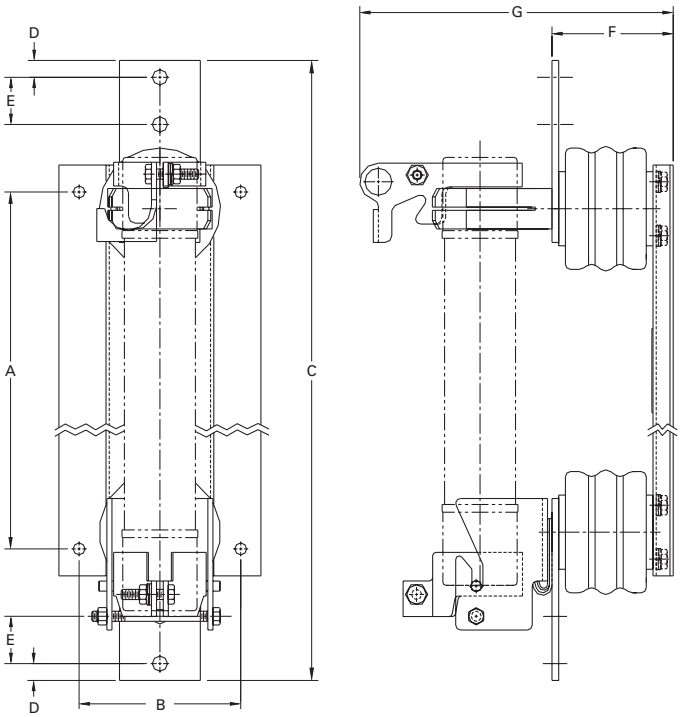



MV055_ (2 and 3 inch diameter)

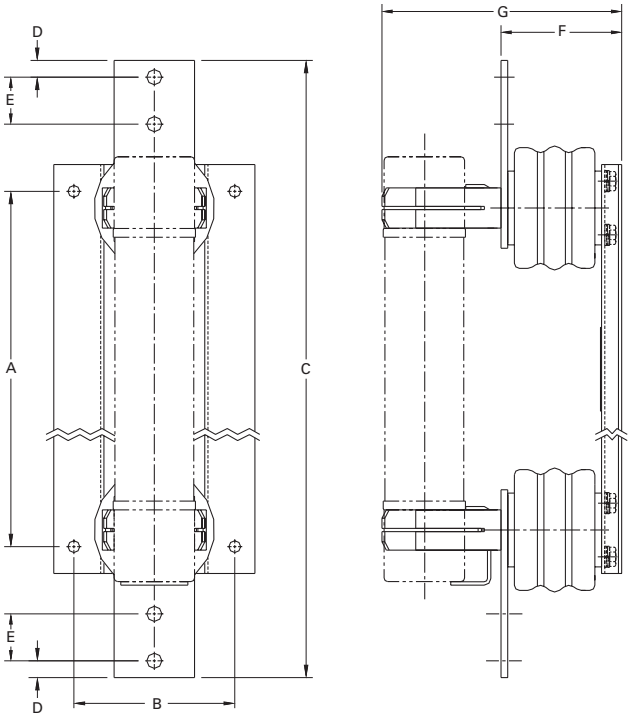
### CLE and HLE type mountings - in (mm)

| 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:**

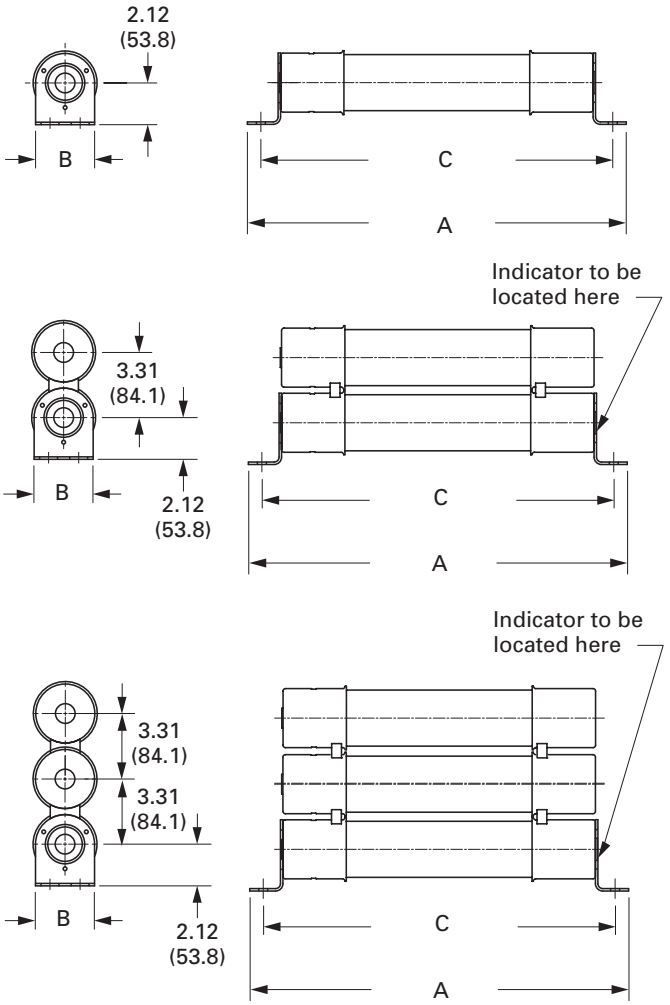
- E-Rated fuses meet the performance characteristics of ANSI C37.46

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

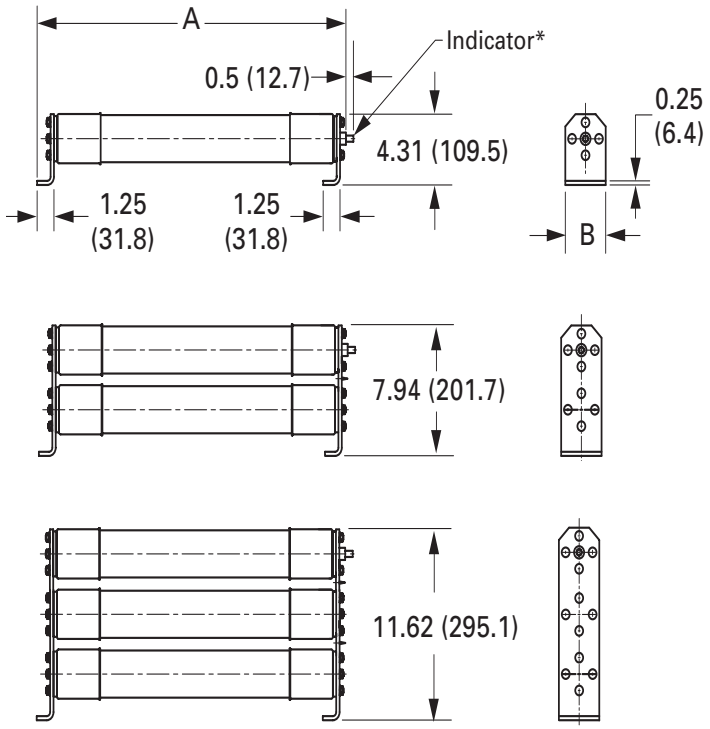
- Catalog number HCL-NL-1

**Dimensions - in (mm)**

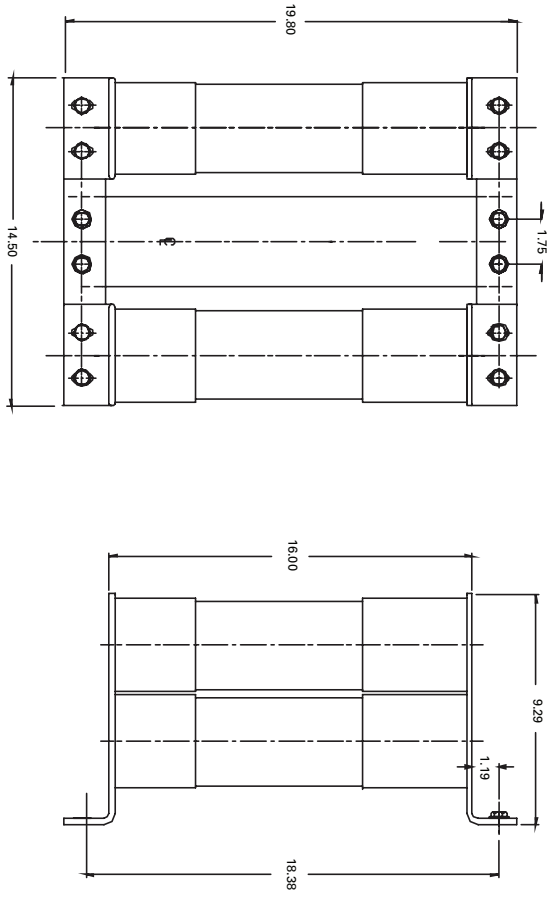
**BHLE bolt-on**




**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 |

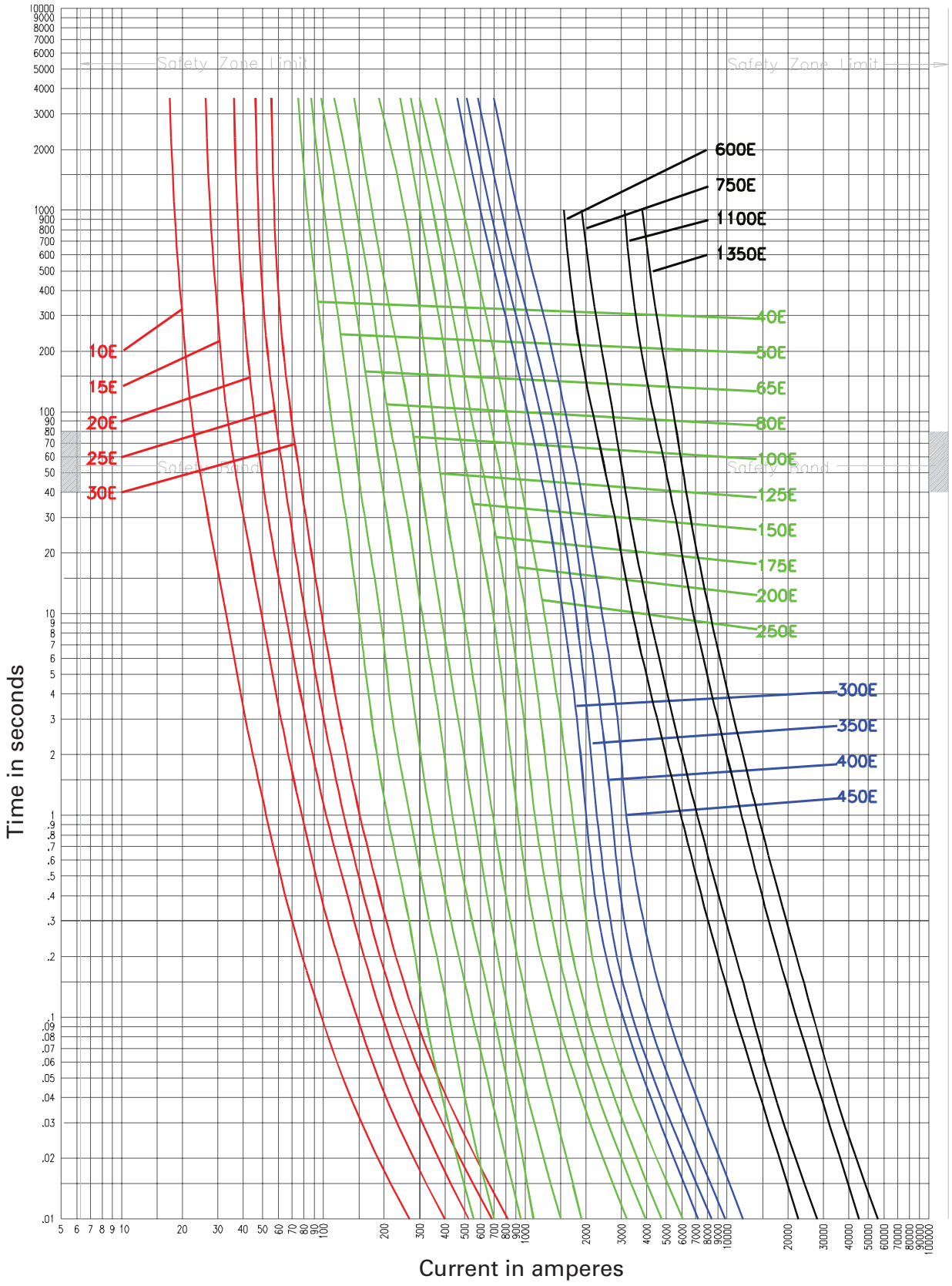
† UL Listed, Guide JEEG, File E240398.

### 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-_

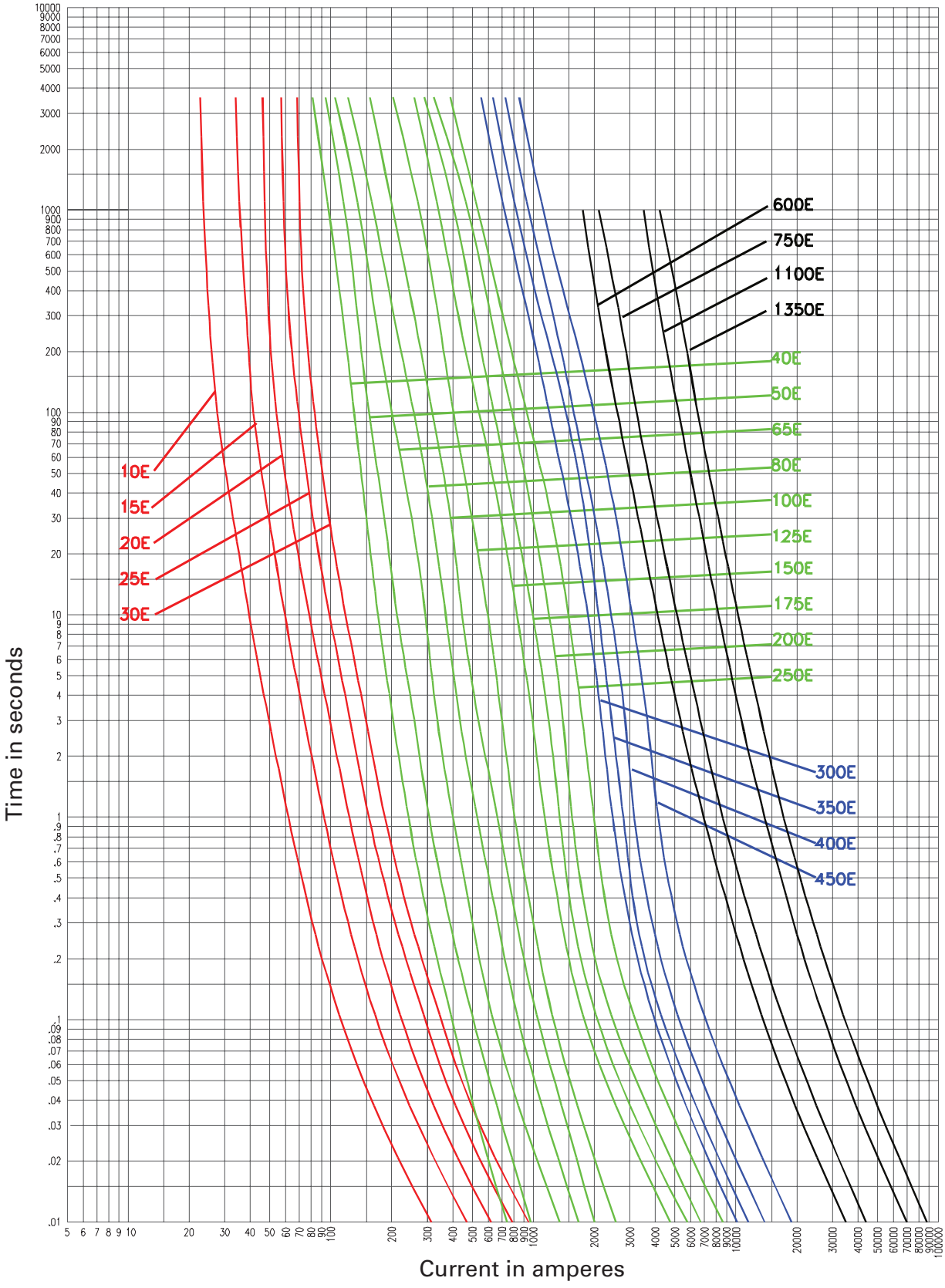
Curve 70548501
April 16, 1999
Reference # 563532

Curve 70545801
April 16, 1999
Reference # 705458

Curve 70546001
April 20, 1999
Reference # 705460

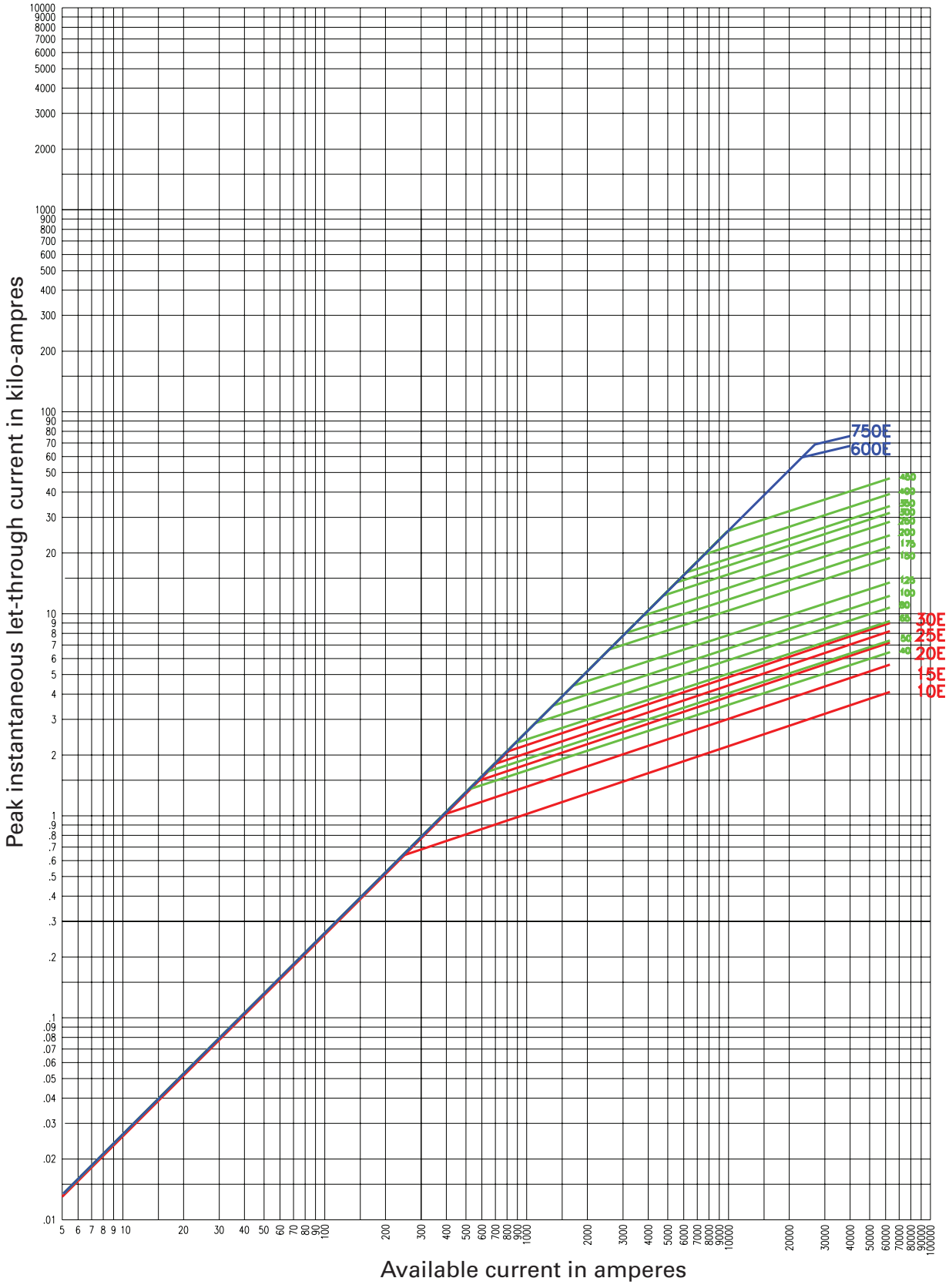
Curve 62908902
April 1999
Reference # 629089

**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**



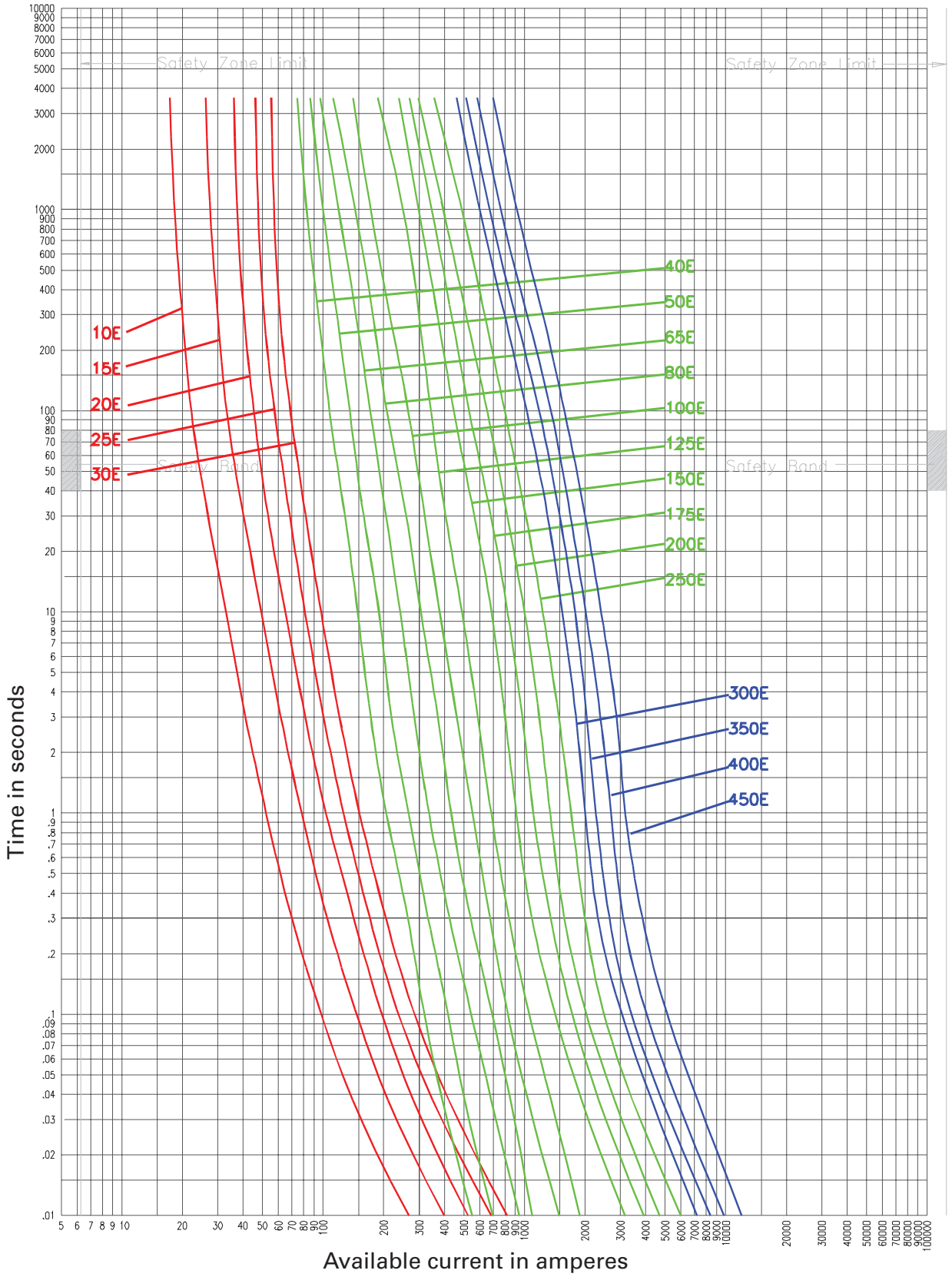

5CLE-_

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**



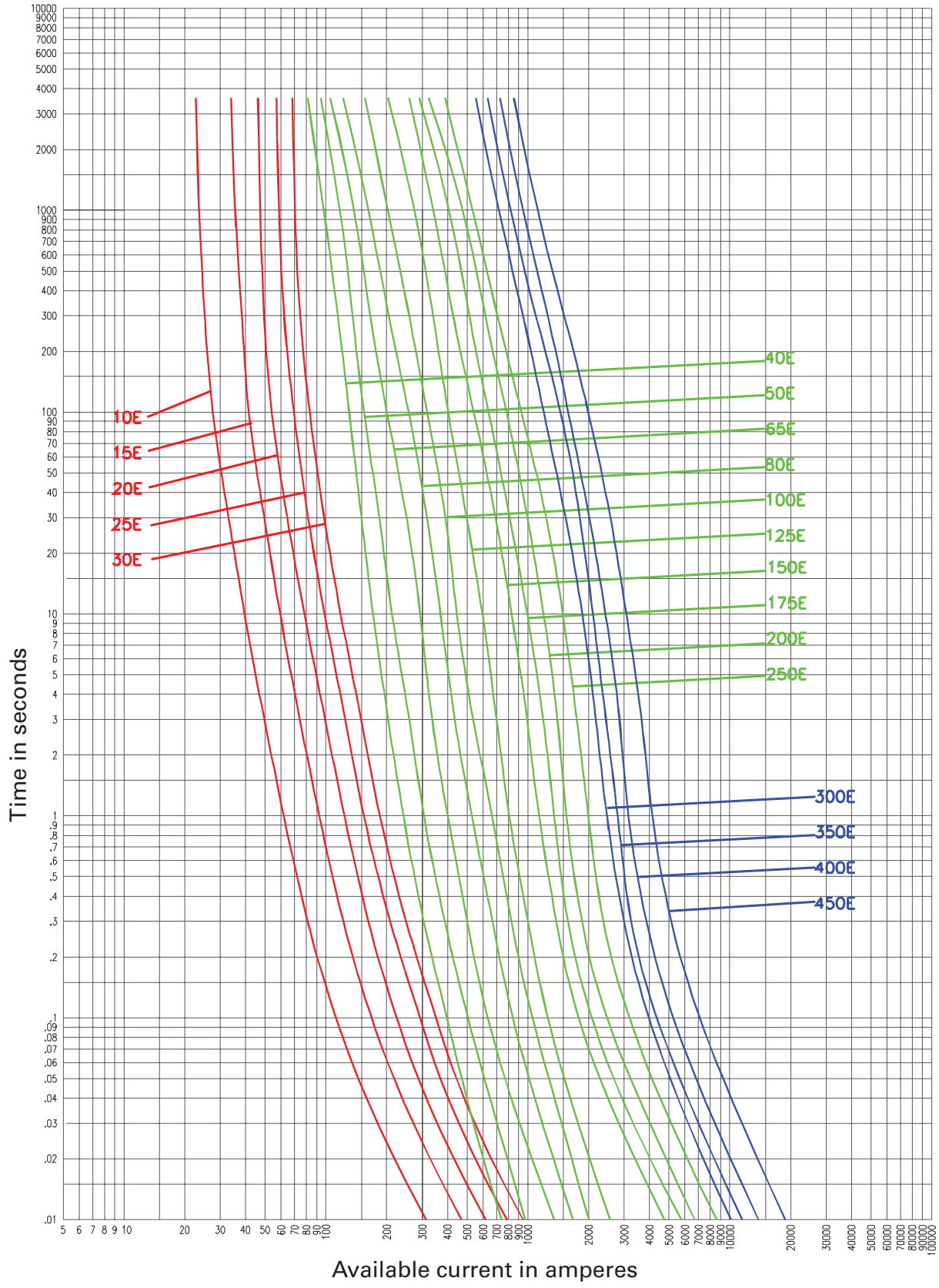

5HLE-_, 5BHLE-_, 5AHLE-_

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**



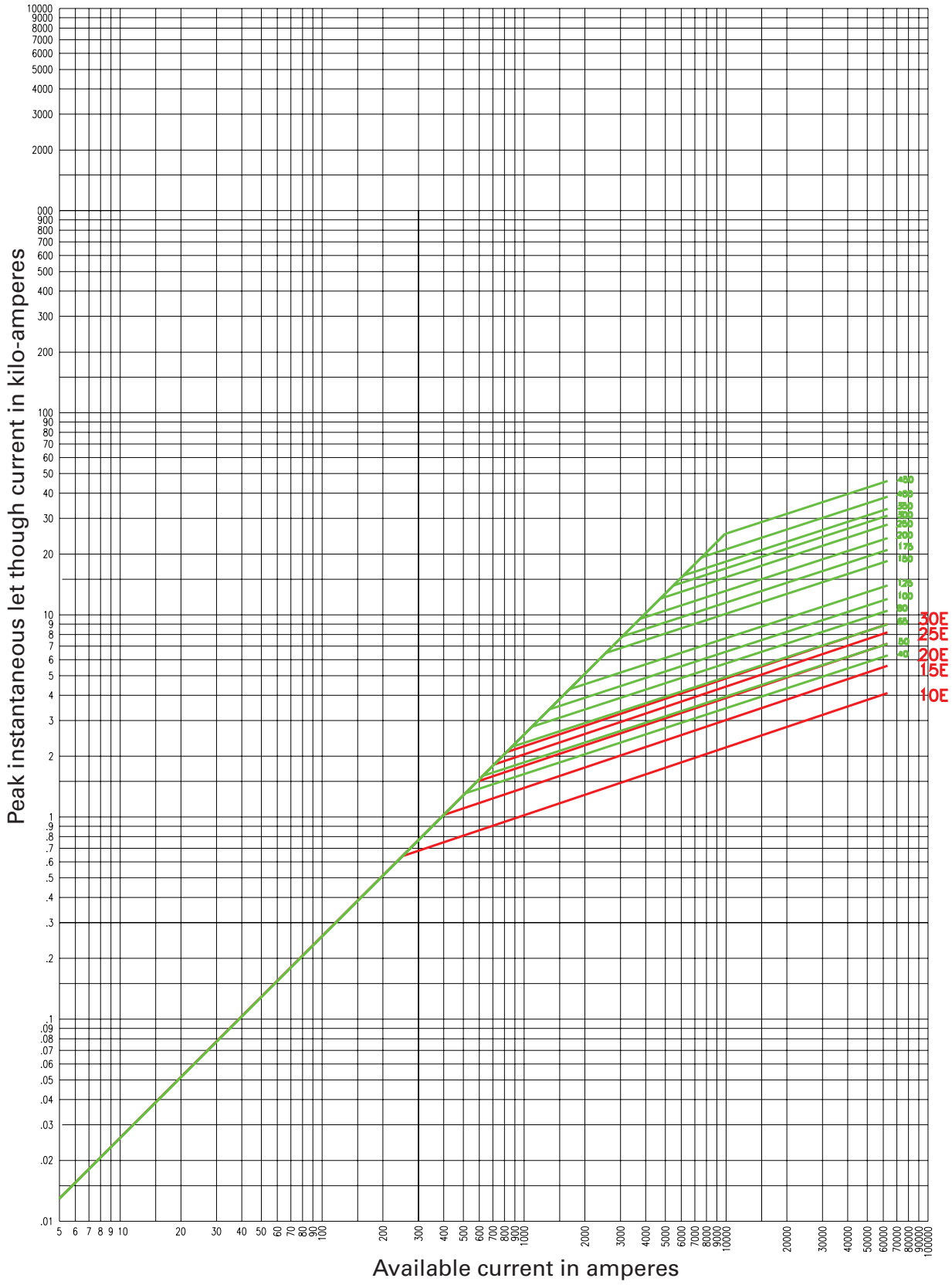

5HLE-_, 5BHLE-_, 5AHLE-_

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**

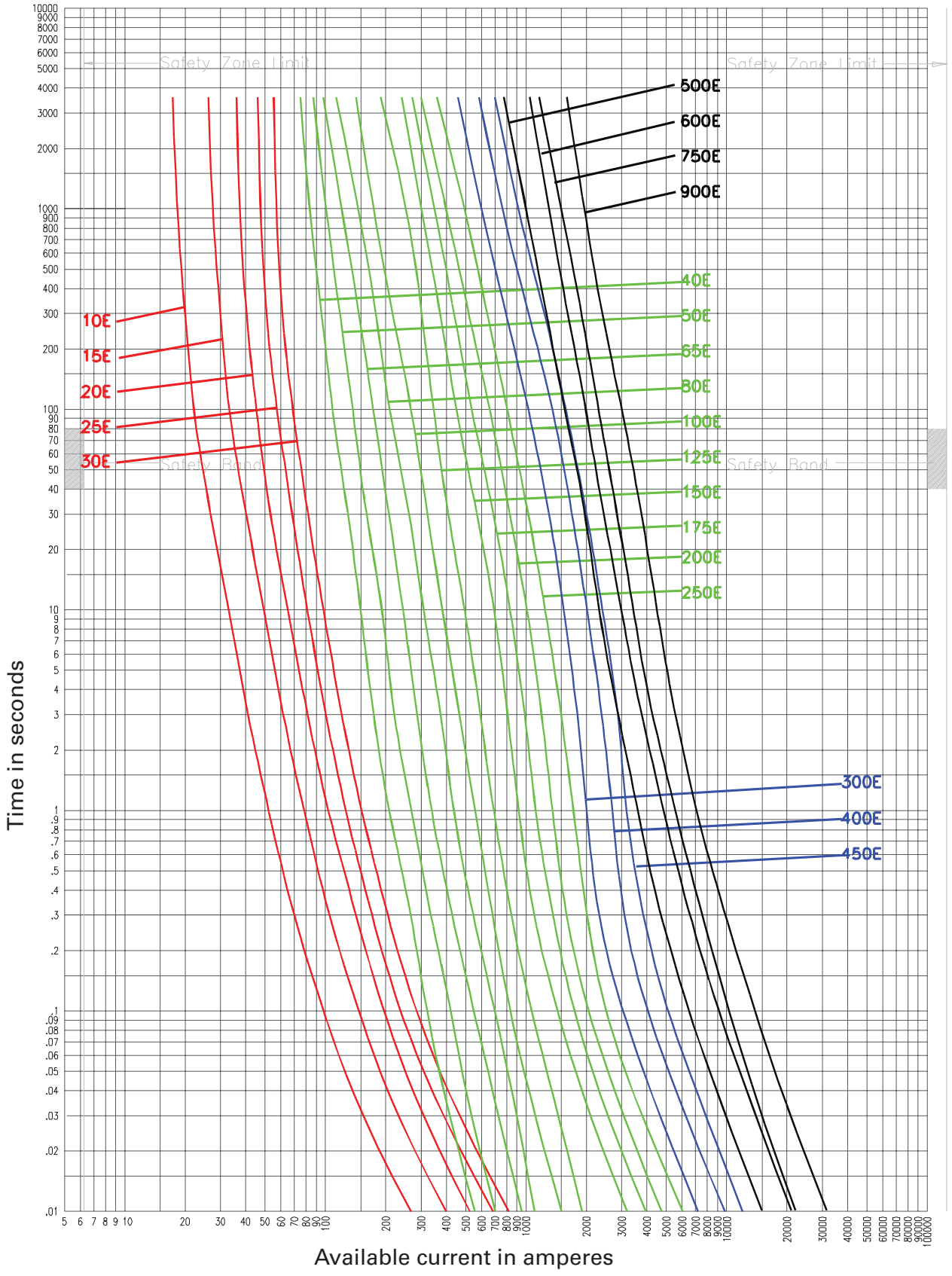



5HLE-_, 5BHLE-_, 5AHLE-_

Curve 70548703
April 1999
Reference # 705487

Curve 70547603
April 1999
Reference # 705476

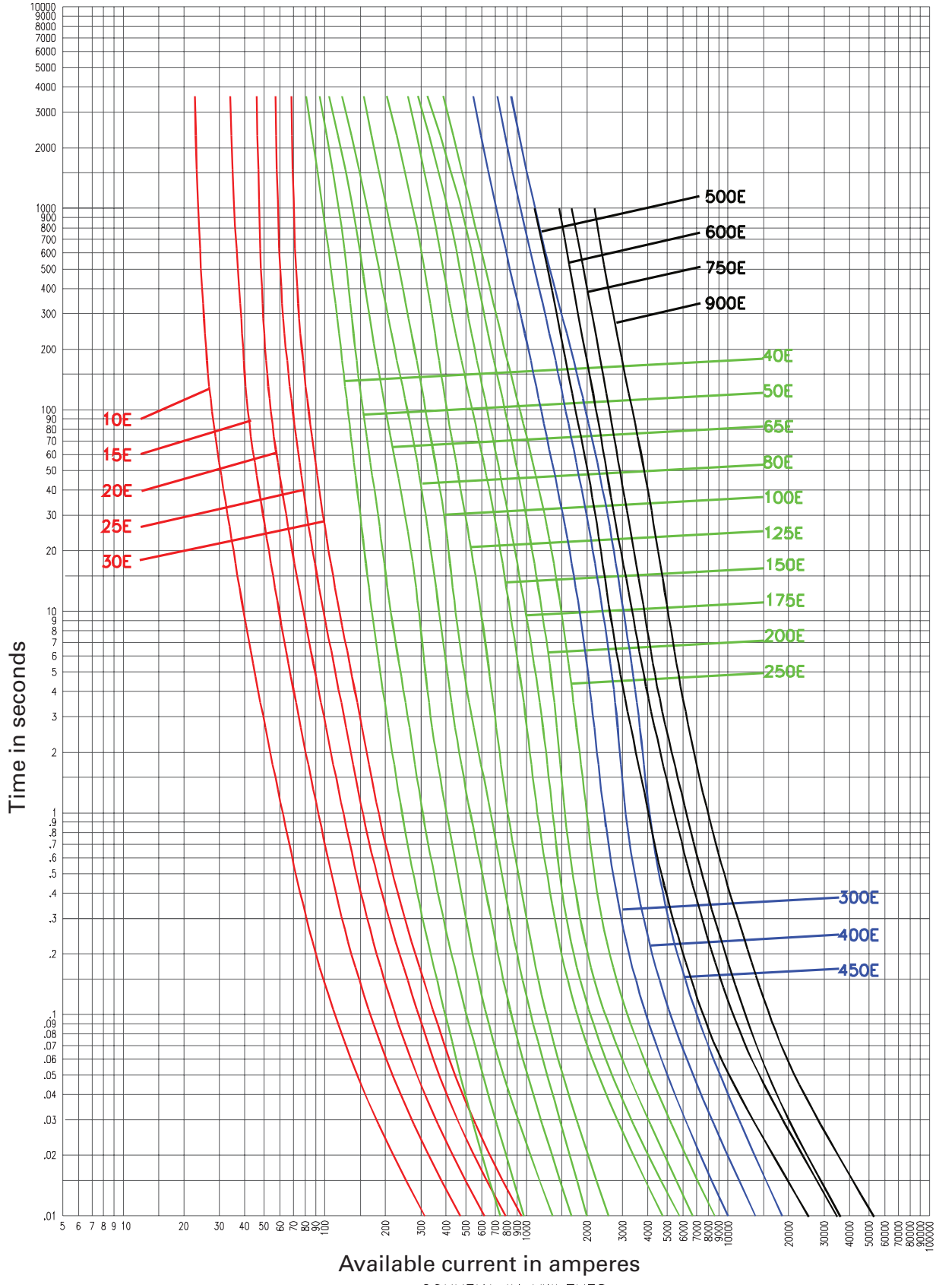
**5.5kV time-current curves — minimum melt for 5HCL-_E**




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**



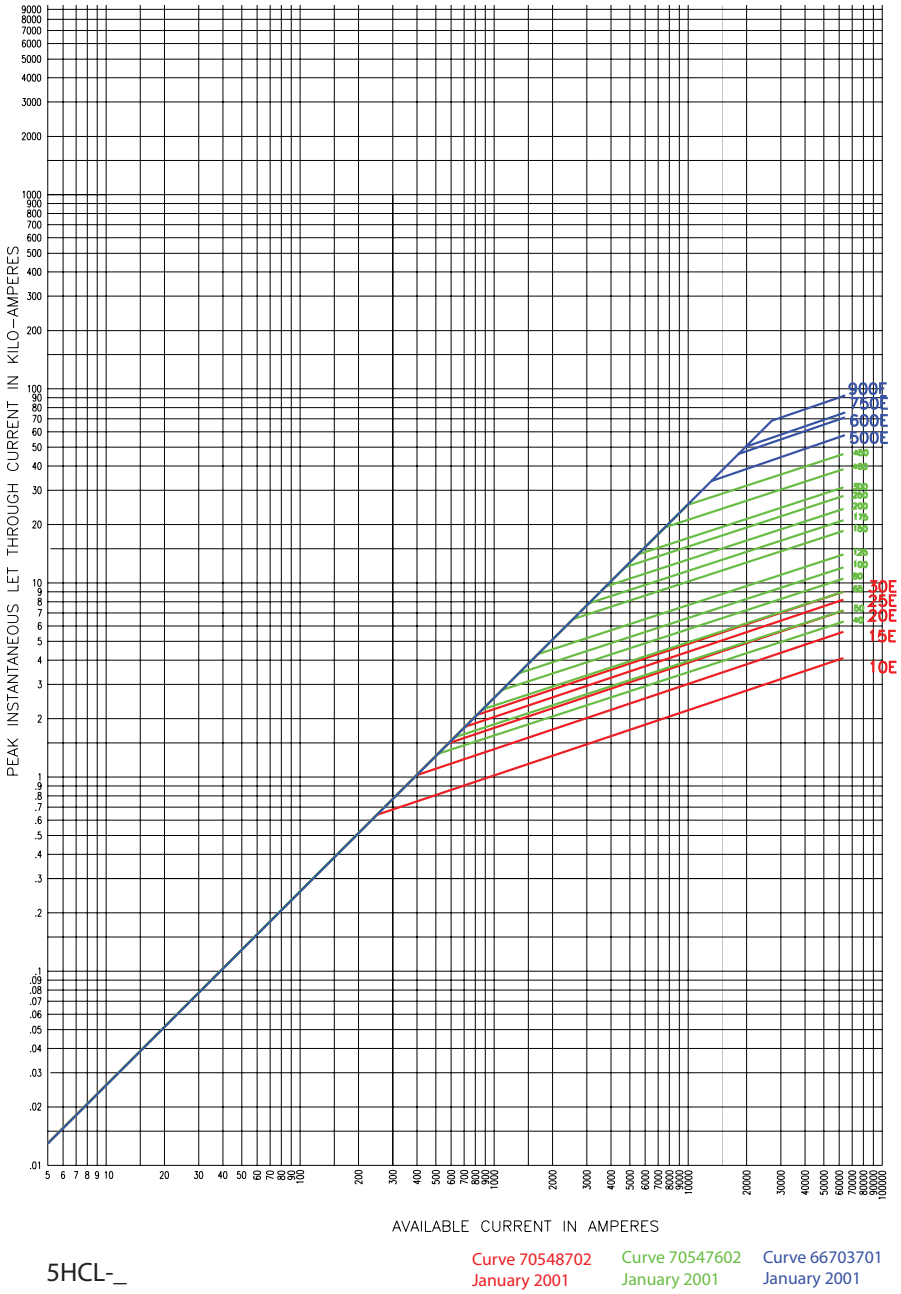

5HCL-_

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

The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

**Eaton**
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Bussmann Division
114 Old State Road
Ellisville, MO 63021
United States
Eaton.com/bussmannseries

For Eaton's Bussmann series product information, call **1-855-287-7626** or visit: **Eaton.com/bussmannseries**

© 2016 Eaton
All Rights Reserved
Printed in USA
Publication No. 10351 - BU-SB15151
April 2016

Eaton, Bussmann and AMPGARD are valuable trademarks of Eaton in the US and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.

Follow us on social media to get the latest product and support information.

Powering Business Worldwide

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

**Данный компонент на территории Российской Федерации**

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

**Офис по работе с юридическими лицами:**

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9