

PT Medium voltage fuses for potential and small power transformers



Description:

Bussmann™ series indicating and non-indicating E-Rated, current-limiting, medium voltage fuses for potential, small power and control transformers.

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Features and benefits

- Low amp, current-limiting E-Rated PT medium voltage fuses are general purpose fuses defined by their melting time-current characteristic that permit their electrical interchangeability with other fuses of the same E Rating.
- E-Rated general purpose fuses must have a current responsive element that will melt in 300 seconds at an RMS current within the range of 200% to 240% of the fuse's nameplate current rating, fuse refill, or link per ANSI C37.46 for fuses rated 100E or less.
- PT fuses are physically dimensioned for easy installation in existing hardware.
- Space saving size eases design considerations for new installations.
- Current-limiting fuses provide positive interruption even on low fault currents. The fuse limits the magnitude of electromechanical stresses in the protected apparatus.
- These fuses are in a self-contained, non-venting package for installation indoors or outdoors in an enclosure.
- Available in indicating and non-indicating versions.
- Open fuse indicator speeds troubleshooting by providing a positive visual indication of fuse operation.

Typical applications

- Primary protection of:
 - Medium voltage potential transformers
 - Small medium voltage service transformers
 - Small medium voltage control transformers.

E-Rated PT medium voltage fuses

Catalog symbols (by maximum voltage rating):

- 2.475 kV
 - 2NCLPT_
- 3.6 kV
 - 3.6ABCNA_
 - 3.6ABWNA_
 - 3.6CAV_
- 5.5 kV
 - JCW_
 - 5CLPT_E
 - 5NCLPT_E
 - 5NCLPT_E-A
 - 5.5ABWNA_E
 - 5.5AMWNA_E
 - 5.5CAV_E
 - 5.5CAVH_E
- 7.2 kV
 - 7.2ABWNA_
 - 7.2ABCNA_
 - 7.2AMWNA_E
 - 7.2CAV_
- 8.3 kV
 - 8CLPT_E-A
 - 8CLPT_E-B
 - 8NCLPT_E
 - 8NCLPT_E-A
 - 8NCLPT_E-B
- 12kV
 - 12ABCNA_
 - 12CAV_
- 15.5 kV
 - 15CLPT_E
 - 15NCLPT_E-A
 - 15.5CAV_E
 - 15.5CAVH_E
- 17.5 kV
 - 17.5ABGNA_
 - 17.5CAV_
- 24 kV
 - 24ABGNA_
 - 24CAV_

- 25.5 kV
 - 25CLPT_E
- 36 kV
 - 36ABGNA_
 - 36CAV_
- 38 kV
 - 38CAV_E
 - 38CAVH_E
 - 38CLPT_E

Ratings*:

- Volts
 - 2.4 kV to 38 kV
- Amps
 - 0.25 to 15 A
- Interrupting ratings
 - 25 to 80 kA RMS Sym

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

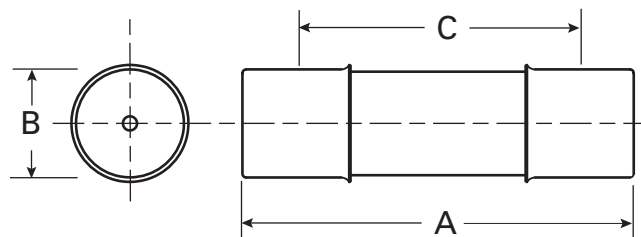
Agency information:

- Those PT fuses conforming to the requirements for E-Rating meet the performance characteristics of IEEE/ANSI C37.46

2.475 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
0.25	4.5 (114)	0.8 (20)	3.9 (99)	—	2NCLPT-25E (63)	1A1837
0.5				—	2NCLPT-5E (63)	
1				—	2NCLPT-1E (40)	
2				—	2NCLPT-2E (40)	
5				—	2NCLPT-5E (25)	

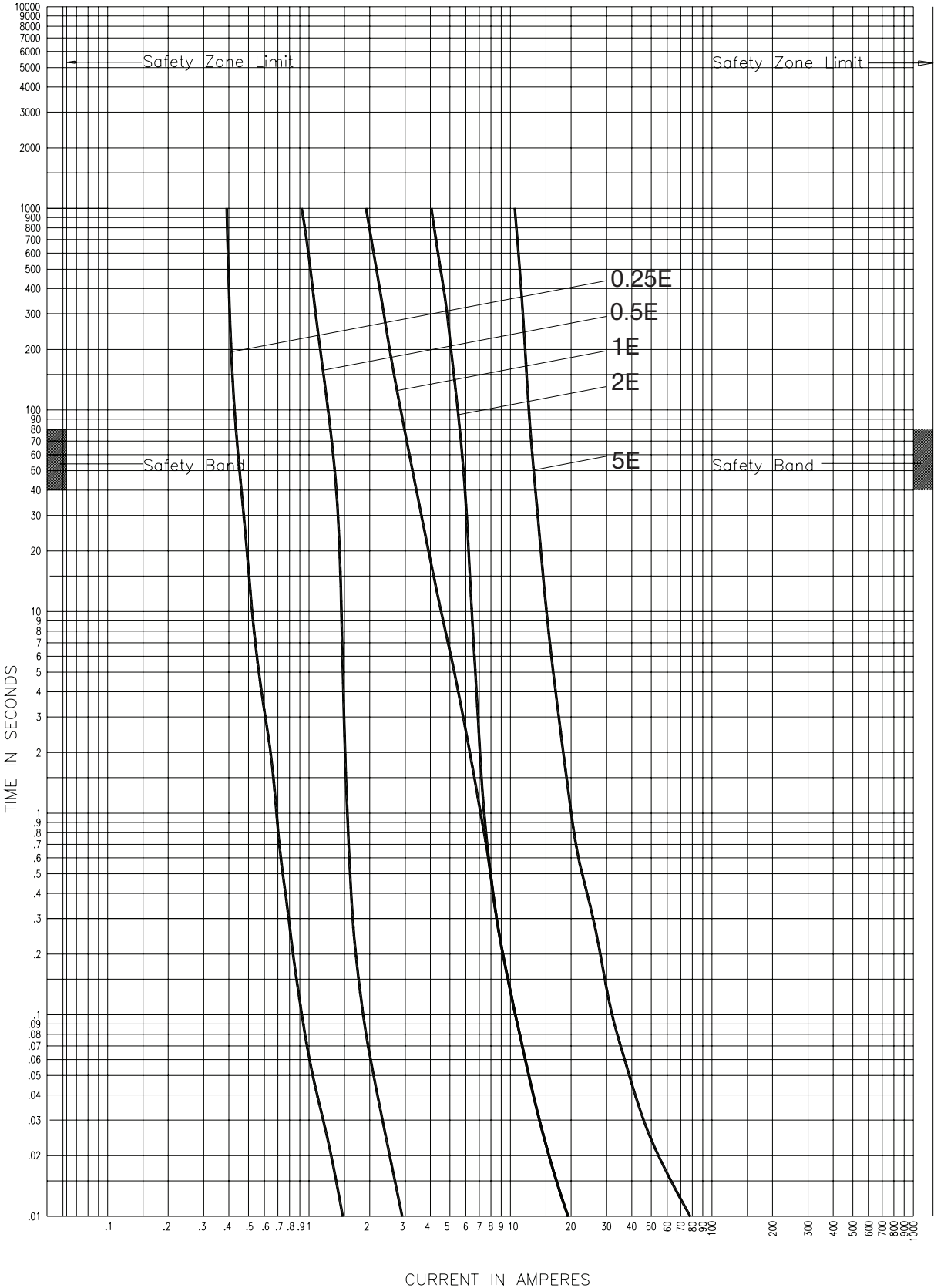
Dimensions (see catalog number tables for values)



Recommended fuseclip and fuse block:

Description	Cat. No.
Open fuseclip for 0.8 (20mm) dia. fuses	1A1837
Single-pole open fuse block with #10-32 phil-slot screw terminals rated 2500V, 5A maximum and 63kA withstand rating	PTFB-2500-JCD

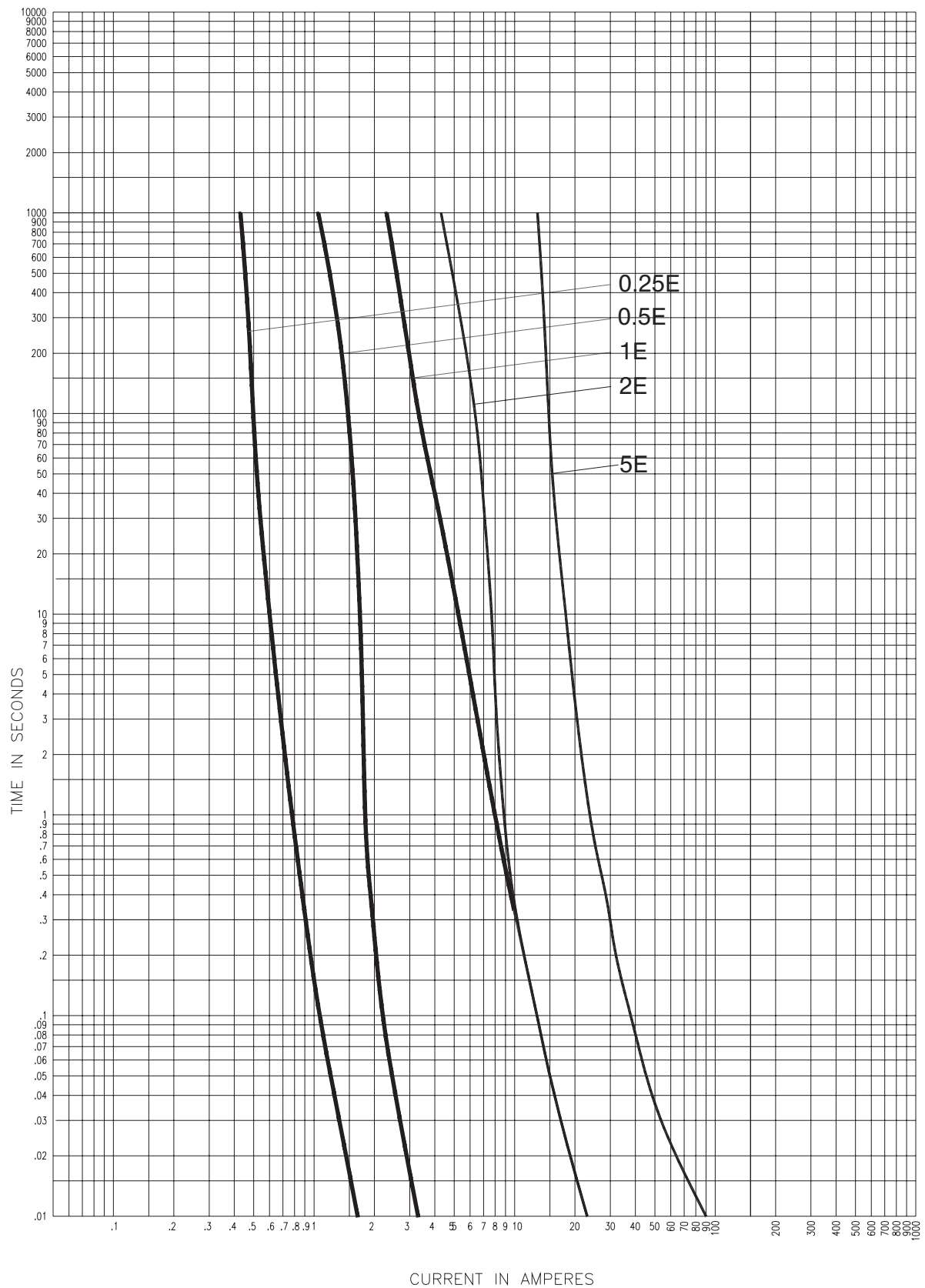
2.47 kV time-current curves — minimum melting for 2NCLPT-E



2NCLPT-E

Curve TC56357202
December 2008

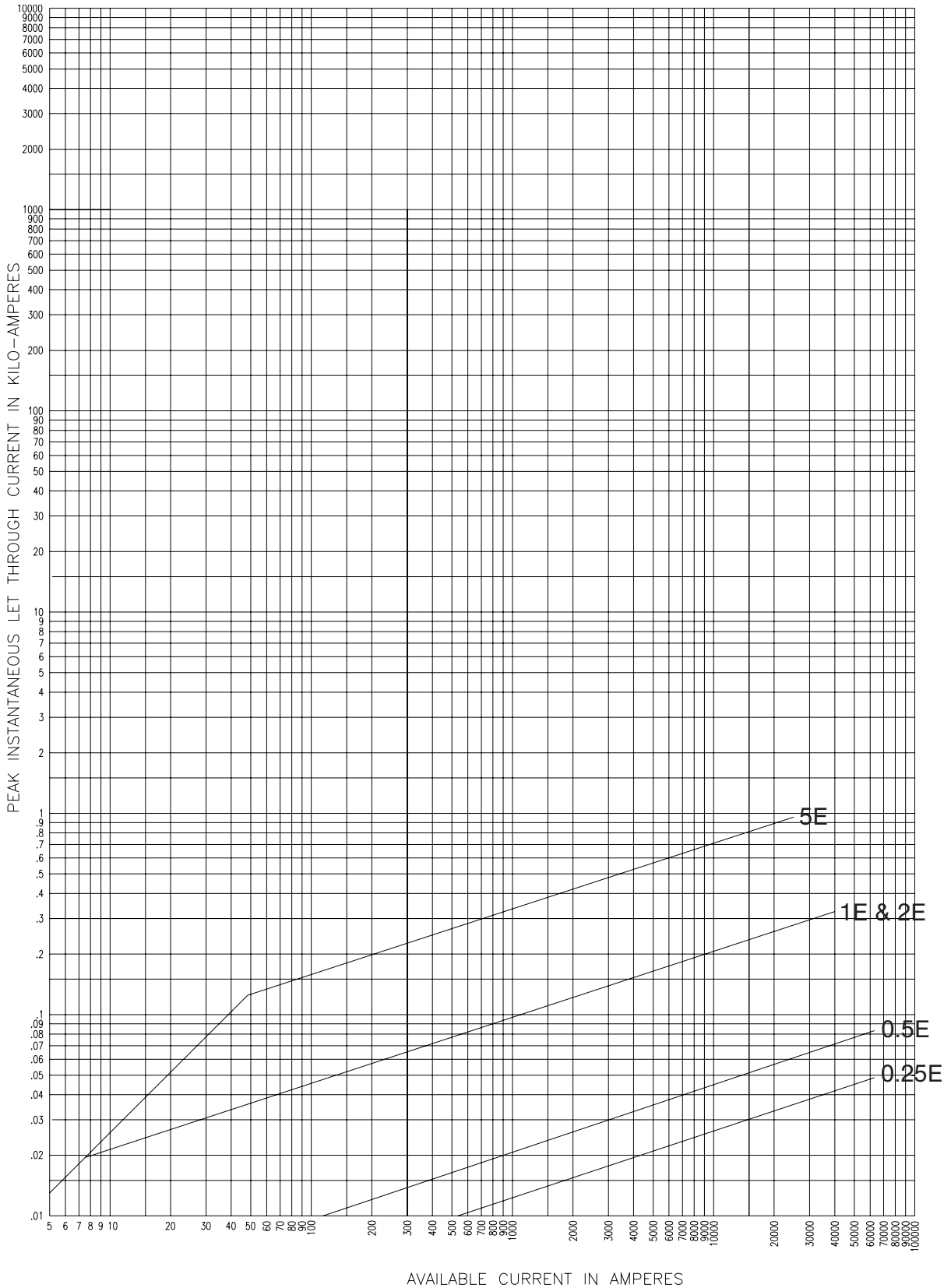
2.47 kV time-current curves — total clearing for 2NCLPT_E



2NCLPT_E

Curve TC59883702
October 2010

2.47 kV peak let-through curves for 2NCLPT_E



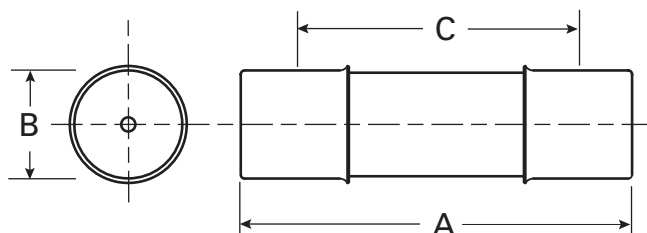
2NCLPT_E

Curve TC63933702
December 2008

3.6 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	Recommended fuseclip
2	8.7 (221)	1.6 (41)	7.6 (193)	—	3.6CAV2 (50)	1A1837
3.15	5.6 (142)	1 (25)	4.4 (112)	—	3.6ABWNA3.15 (50)	A3354705
3.15	7.7 (195)	1 (25)	6.5 (165)	—	3.6ABCNA3.15 (50)	
6.3	5.6 (142)	1 (25)	4.4 (112)	—	3.6ABWNA6.3 (50)	
6.3	7.7 (195)	1 (25)	6.5 (165)	—	3.6ABCNA6.3 (50)	
10				—	3.6ABCNA10 (50)	

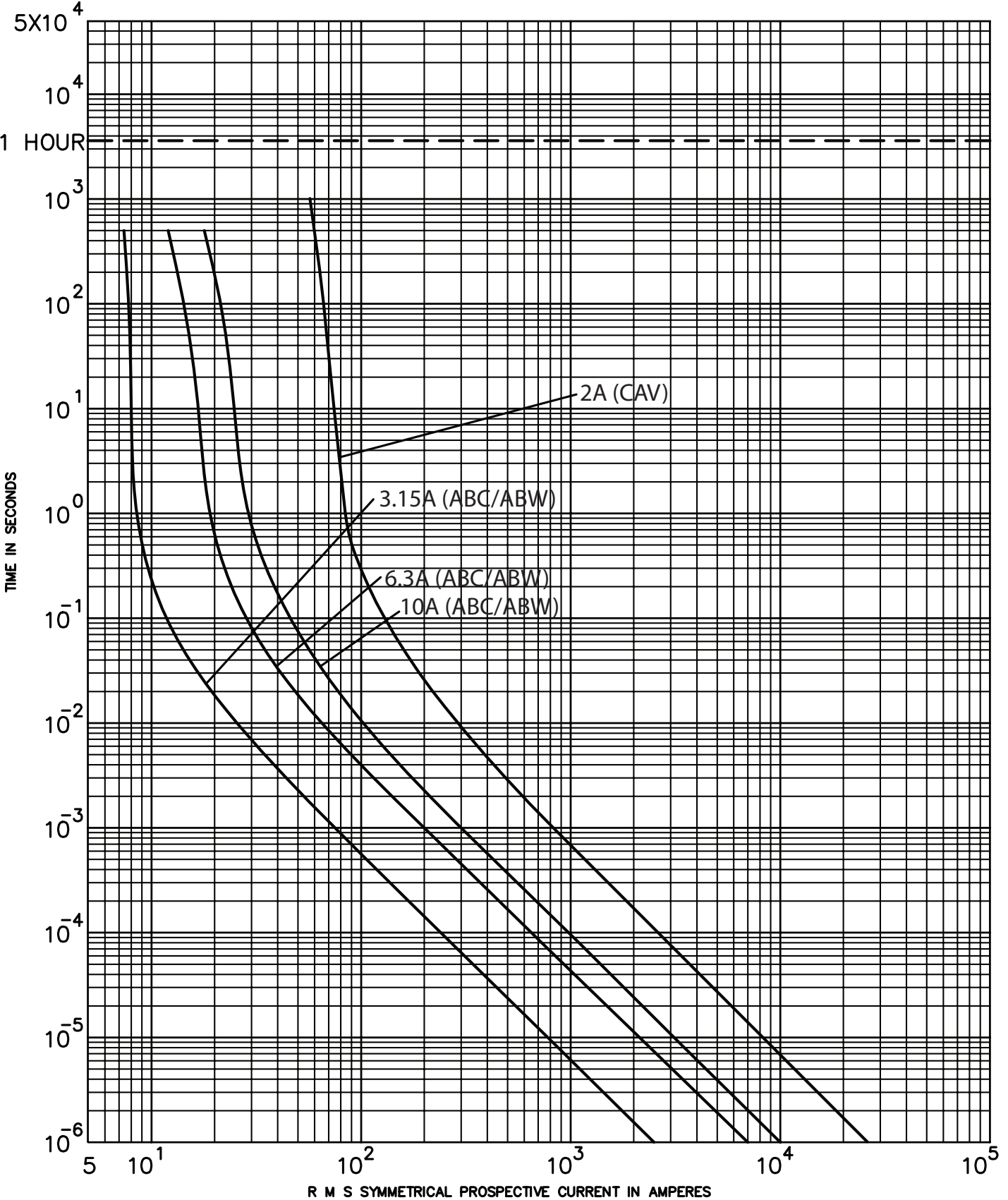
Dimensions (see catalog number tables for values)



Recommended fuseclips:

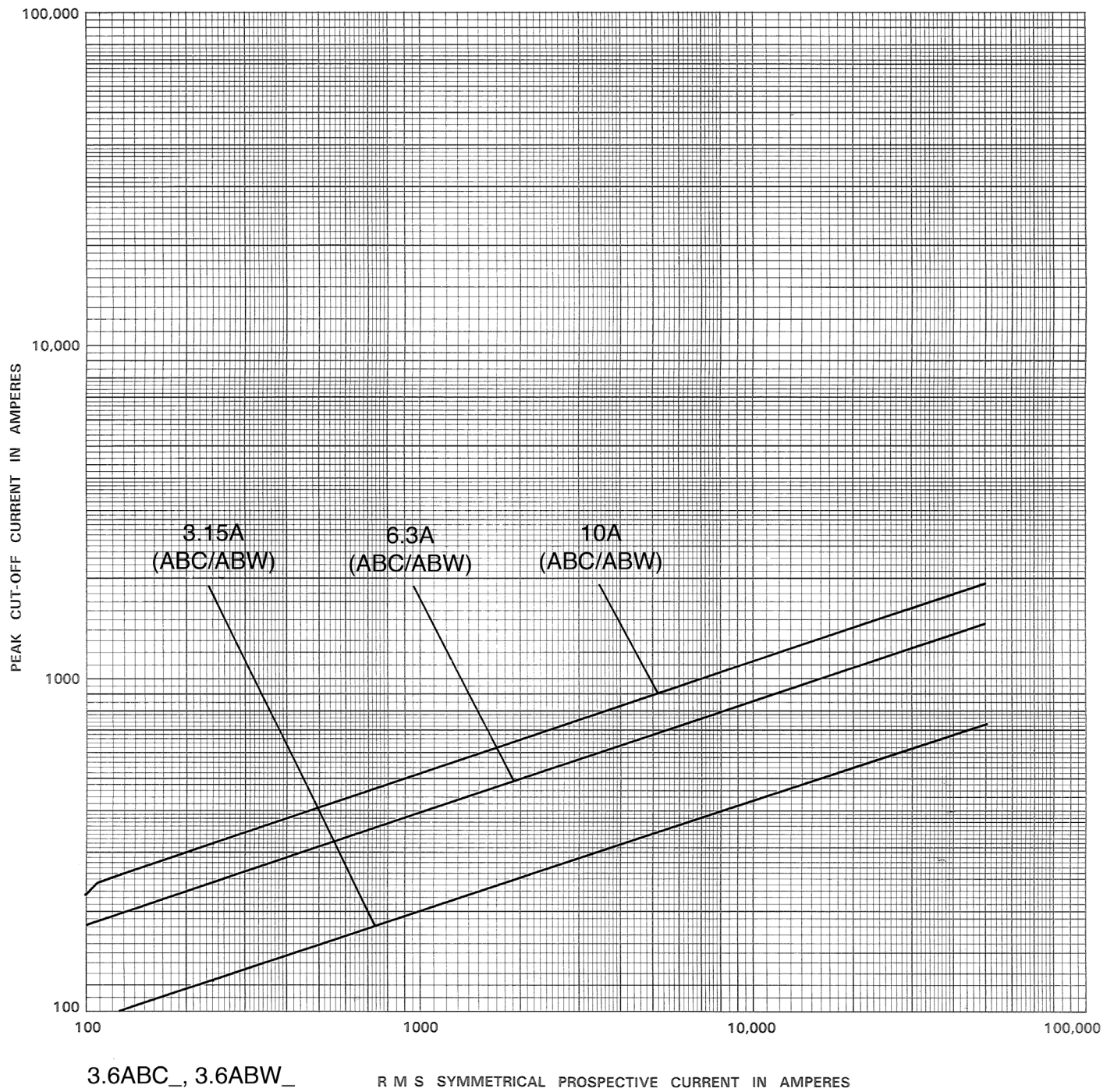
Description	Cat. No.
Open fuseclip for 1.0 (25.4mm) dia. fuses	A3354705
Open fuseclip for 1.56 (39.7mm) / 1.6 (40.6mm) dia. fuses	1A0835

3.6 kVTime-current curves — minimum melting for 3.6CAV_, 3.6ABC_ and 3.6ABW_



3.6ABC_, 3.6ABW_, 3.6CAV_

3.6 kV Peak let-through curves for 3.6ABC_ and 3.6ABW_



5.5 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	Recommended fuseclip
0.5	5.6 (142)	0.8 (20)	4.8 (122)	—	5.5AMWNA.5E (63)	1A1837
0.5	5.6 (142)	1 (25)	4.4 (112)	—	5.5ABWNA0.5E (50)	A3354705
0.5	7.4 (188)	1.6 (41)	6.2 (157)	5.5CAVH0.5E (50)	JCW-1/2E (40)	1A0835
0.5	9.5 (241)	1.6 (41)	8.1 (206)	5CLPT-5 (80) [†]	5NCLPT-5E-A (63)	
1	5.6 (142)	1 (25)	4.4 (112)	—	5.5ABWNA1E (50)	A3354705
1	5.6 (142)	0.8 (20)	4.8 (122)	—	5.5AMWNA1E (63)	1A1837
1	7.4 (188)	1.6 (41)	6.2 (157)	5.5CAVH1E (50)	JCW-1E (40)	1A0835
1	9.5 (241)	1.6 (41)	8.1 (206)	5CLPT-1 (80) [†]	5NCLPT-1E-A (63)	
1.5	9.5 (241)	1.6 (41)	8.1 (206)	5CLPT-1.5 (80) [†]	—	1A0835
2	5.6 (142)	1 (25)	4.4 (112)	—	5.5ABWNA2E (50)	A3354705
2	5.6 (142)	0.8 (20)	4.8 (122)	—	5.5AMWNA2E (63)	1A1837
2	7.4 (188)	1.6 (41)	6.2 (157)	5.5CAVH2E (50)	JCW-2E (40)	1A0835
2	9.5 (241)	1.6 (41)	8.1 (206)	—	5NCLPT-2E (63)	1A1837
3	5.6 (142)	1 (25)	4.4 (112)	—	5.5ABWNA3E (50)	A3354705
3	5.6 (142)	0.8 (20)	4.8 (122)	—	5.5AMWNA3E (63)	1A1837
3	9.5 (241)	1.6 (41)	8.1 (206)	5CLPT-3E (80)	5NCLPT-3E (63)	1A0835
3	7.4 (188)	1.6 (41)	6.2 (157)	—	JCW-3E (40)	1A0835
4	5.6 (142)	0.8 (20)	4.8 (122)	—	5.5AMWNA4E (63)	1A1837
5	9.5 (241)	1.6 (41)	8.1 (206)	5CLPT-5E (80)	5NCLPT-5E-A (63)	1A0835
5	5.6 (142)	1 (25)	4.4 (112)	—	5.5ABWNA5E (50)	A3354705
5	5.6 (142)	0.8 (20)	4.8 (122)	—	5.5AMWNA5E (63)	1A1837
5	7.3 (185)	1.6 (41)	5.9 (150)	—	JCW-5E (40)	1A0835
10	9.5 (241)	1.6 (41)	8.1 (206)	5CLPT-10E (80)	5NCLPT-10E-A (63)	1A0835
15	7.4 (188)	1.6 (41)	6.2 (157)	—	5.5CAV15E (50)	

[†] Due to manufacturing variances, this fuse does not comply with ANSI C37.46 for “E” rating. See time-current curves for performance characteristics.

CLPT Type mountings and hardware 5.5 kV maximum (4.8kV nominal)*

Amp rating	Fuse mounting type**	BIL (kV)	Catalog number			
			Mounting (including live parts, end fittings)***		Live parts (including end fittings)***	End fittings (disconnect only)
			Porcelain insulator	Glass-polyester insulator		
CLPT and NCLPT-A Mounting						
0.5–10	Non-disconnect	60	5CLPT-PNM-A	5CLPT-GNM-A	CLPT-NL	—
	Disconnect [†]	60	5CLPT-PDM-A	5CLPT-GDM-A	CLPT-DL	CLPT-DF

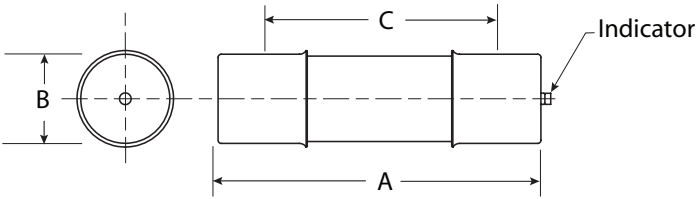
* Refers to 5CLPT and 5NCLPT fuses only.

** See page 70 for dimensions and diagrams of typical mounting.

*** 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.

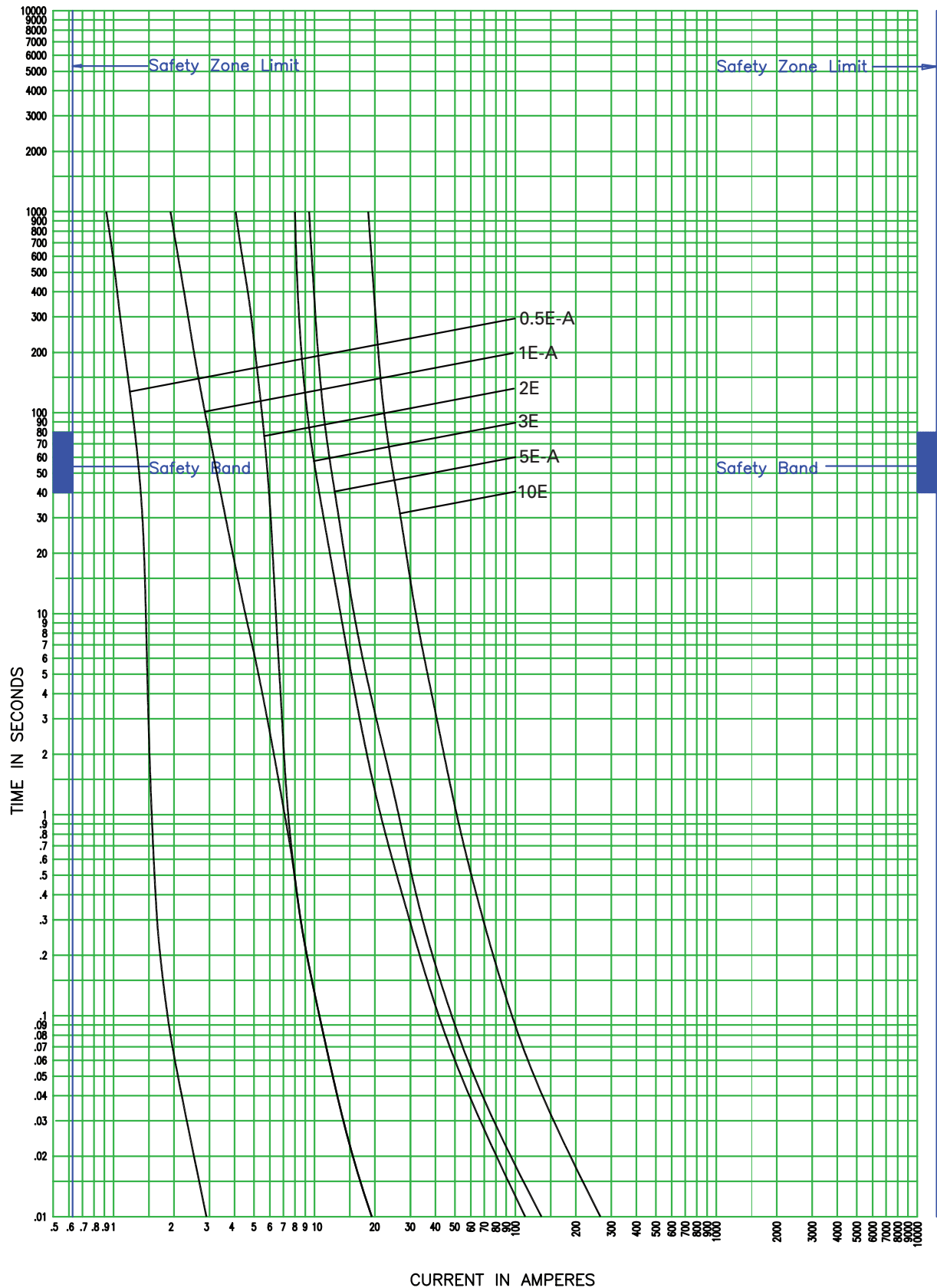
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 0.8 (20 mm) dia. fuses	1A1837
Open fuseclip for 1.0 (25.4 mm) dia. fuses	A3354705
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

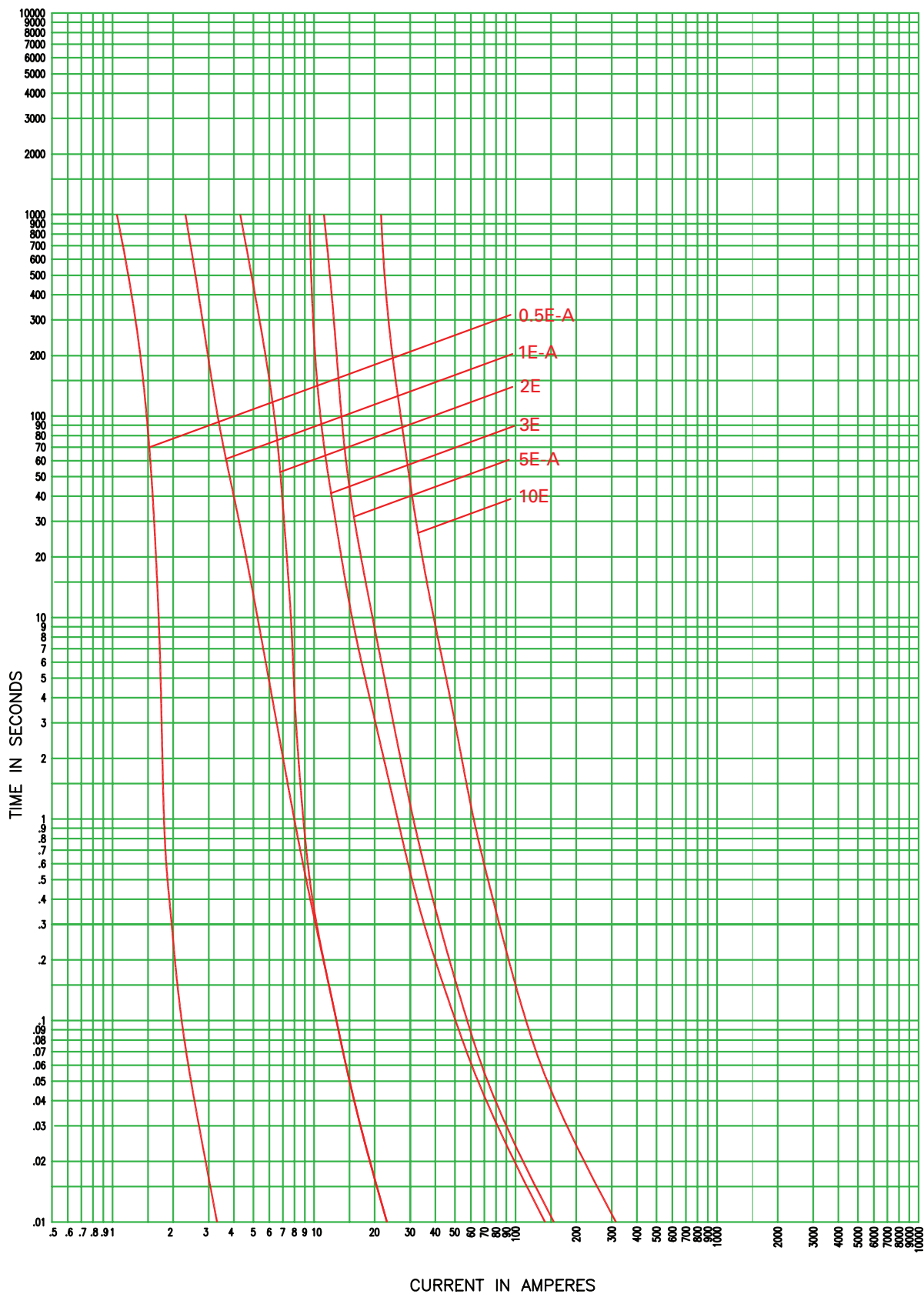
5.5 kV time-current curves — minimum melting for 5NCLPT_-A



5NCLPT_E

CURVE TC70548302
December 2008

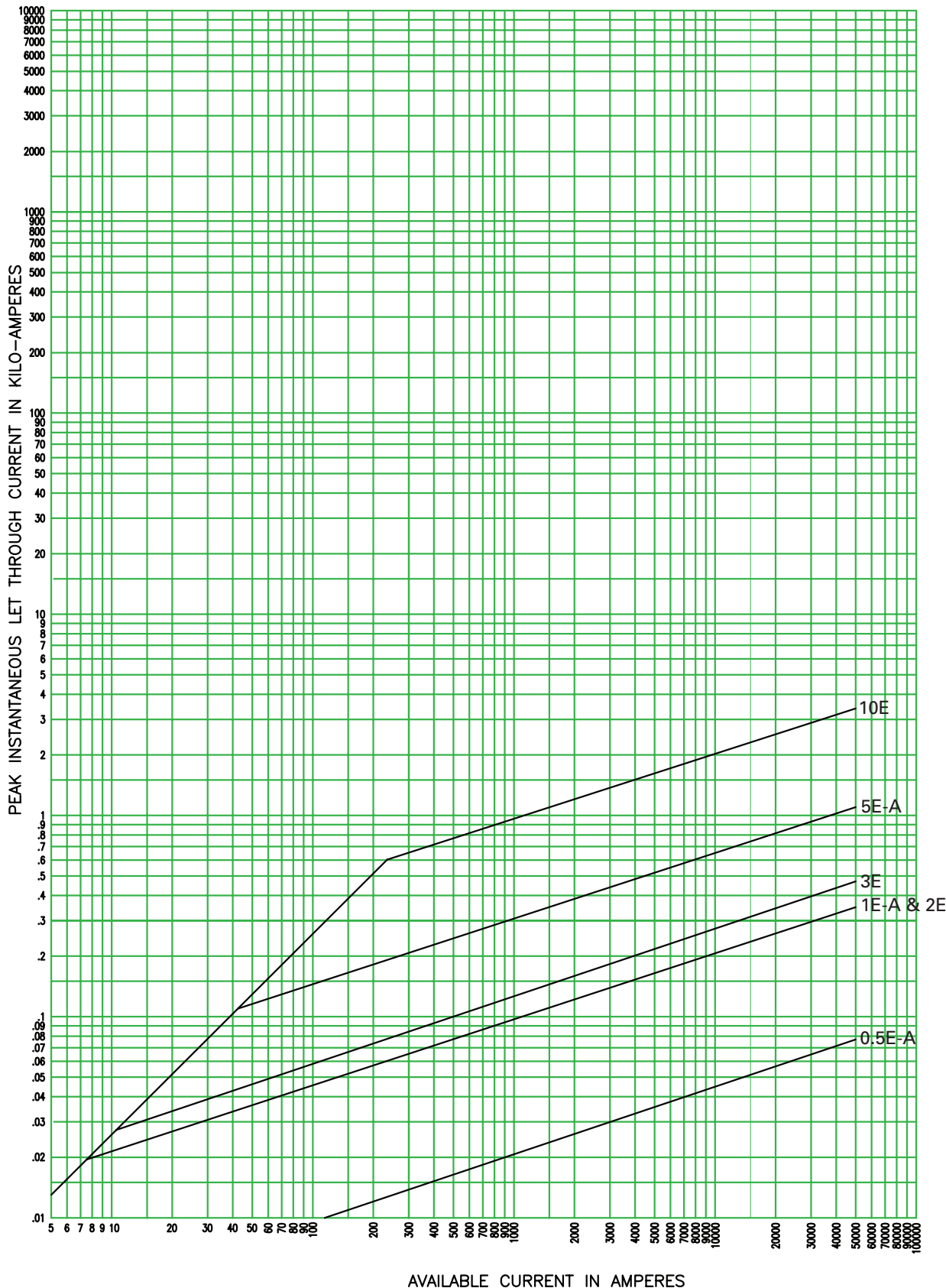
5.5 kV time-current curves — total clearing for 5NCLPT_-A



5NCLPT_E

CURVE TC70548402
December 2008

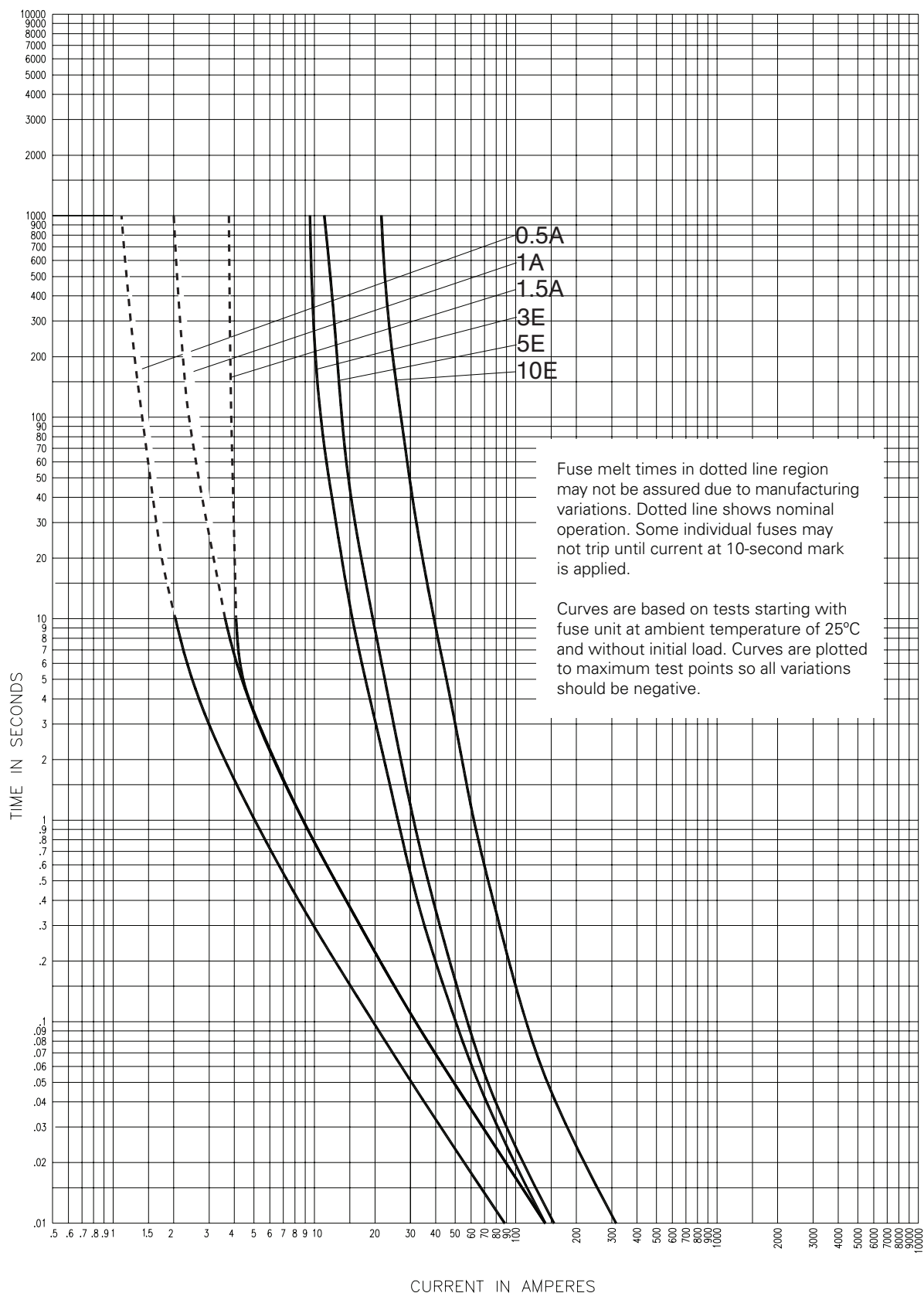
5.5 kV peak let-through curves for 5NCLPT_-A



5NCLPT- E

CURVE TC63934002
December 2008

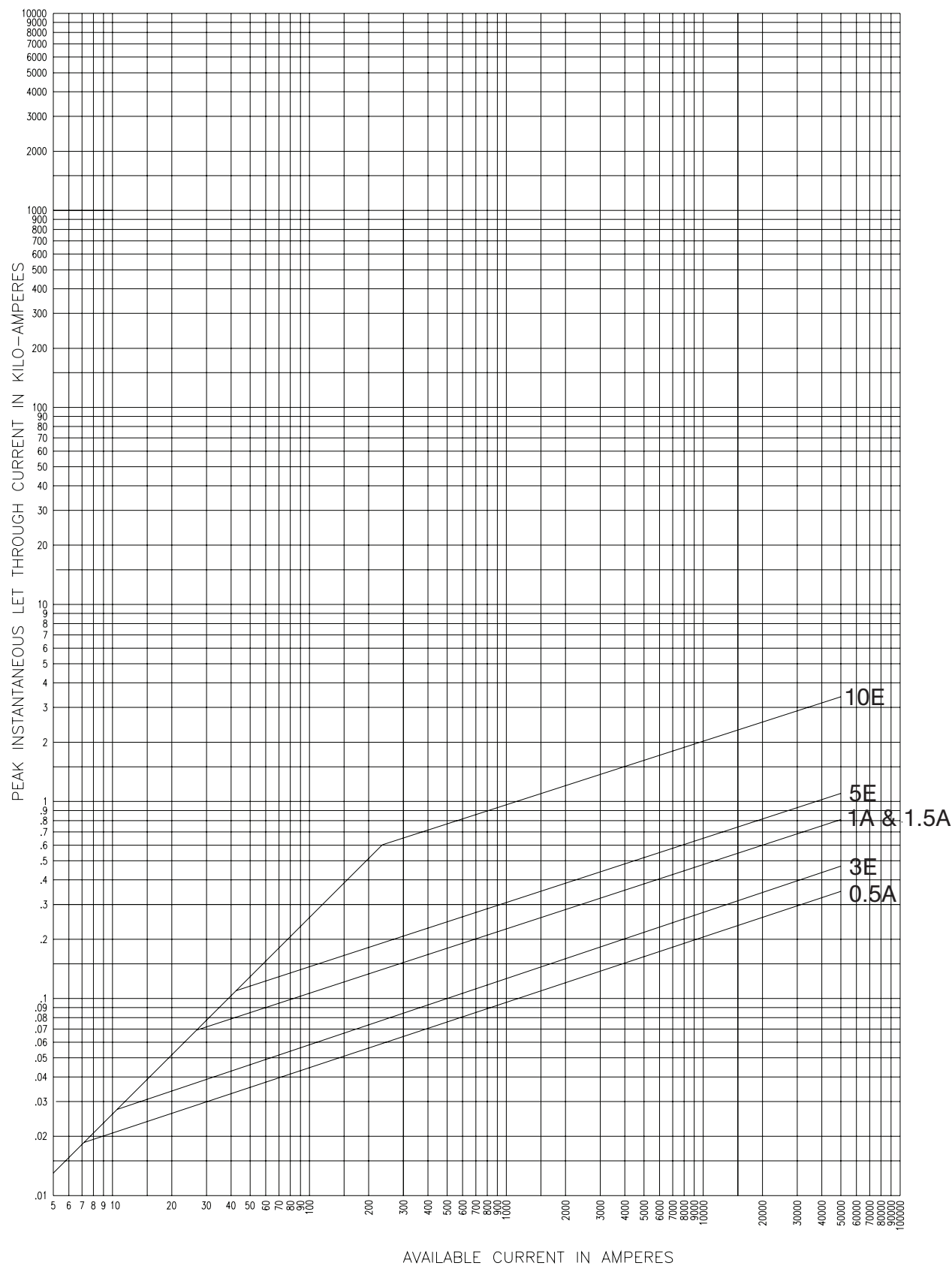
5.5 kV Time-current curves — total clearing for 5CLPT_



5CLPT_

Curve TC56353306
August 2011

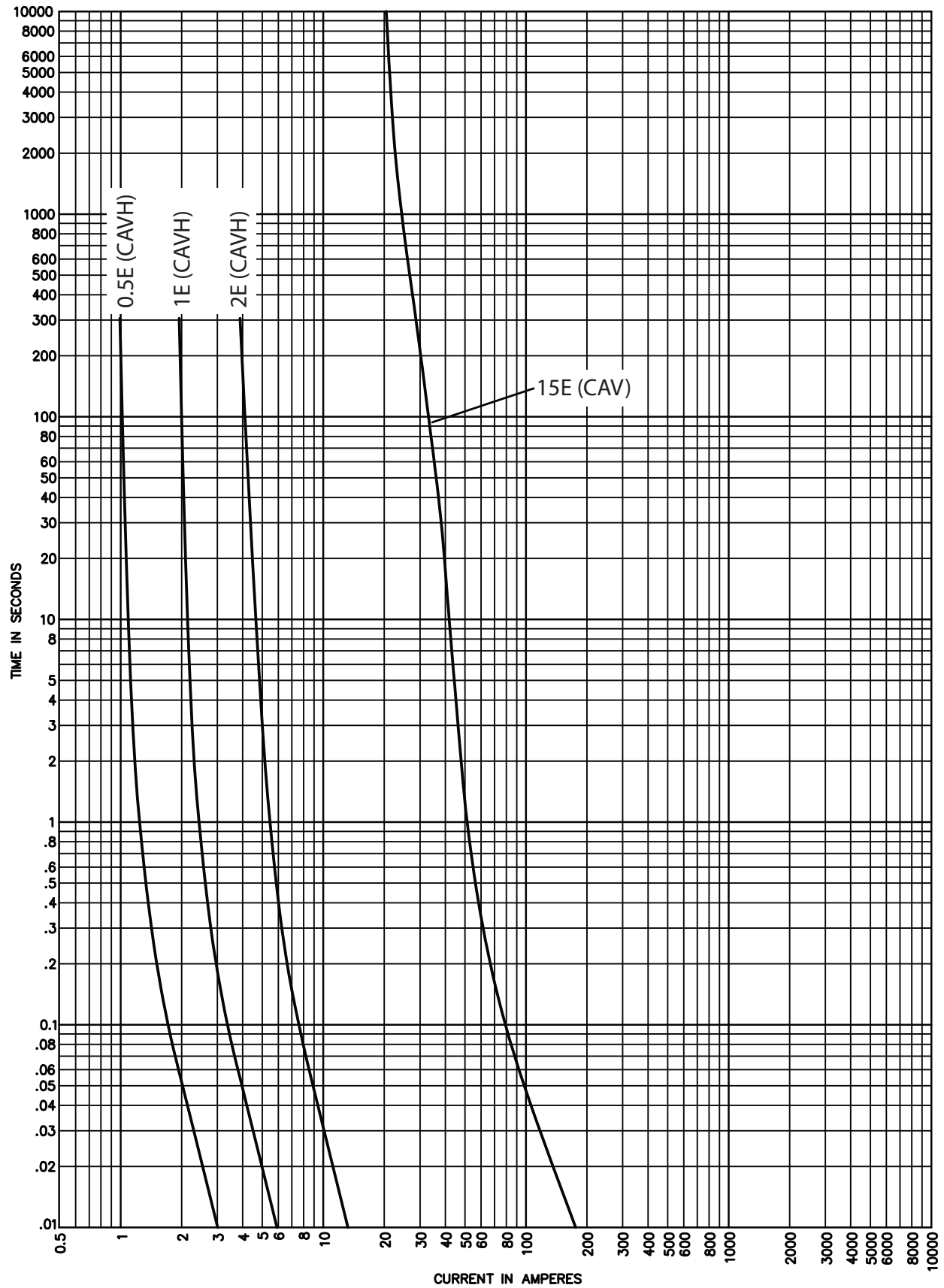
5.5 kV peak let-through curves for 5CLPT_



5CLPT_

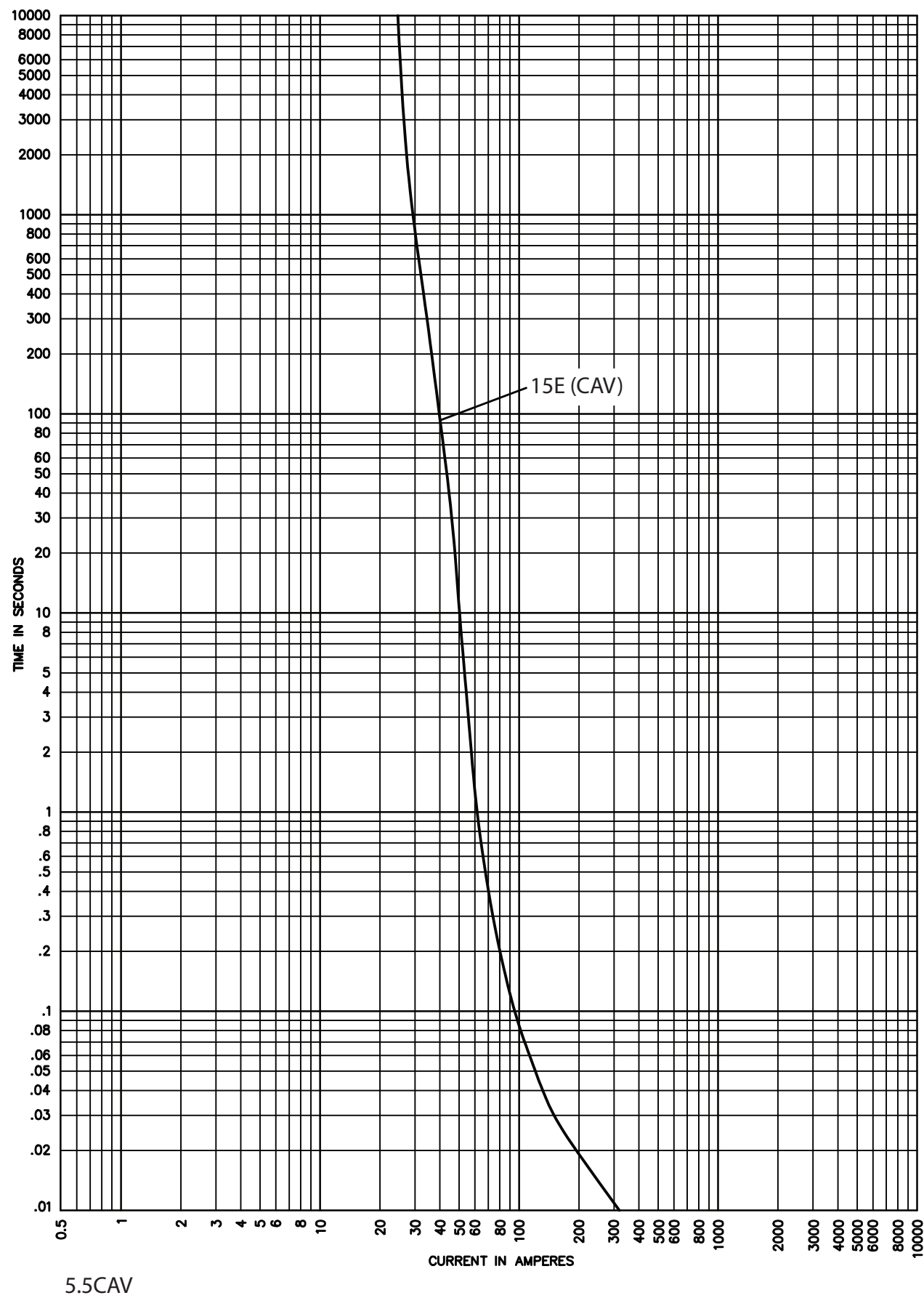
Curve TC63934001
March 2013

5.5 kV time-current curves — minimum melting for 5.5CAV_ and 5.5CAVH_



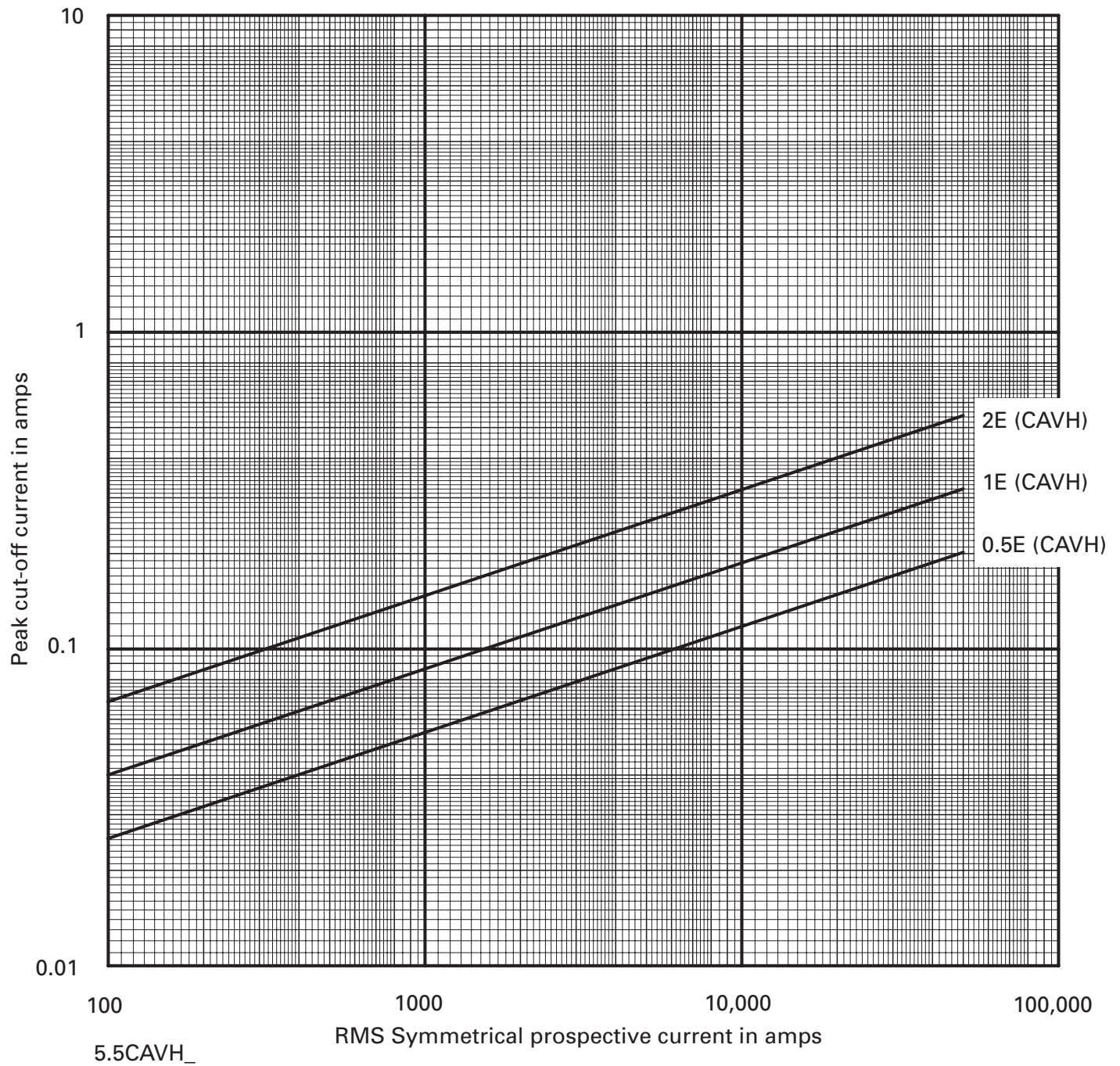
5.5CAV_, 5.5CAVH_

5.5 kV time-current curves — total clearing for 5.5CAV_

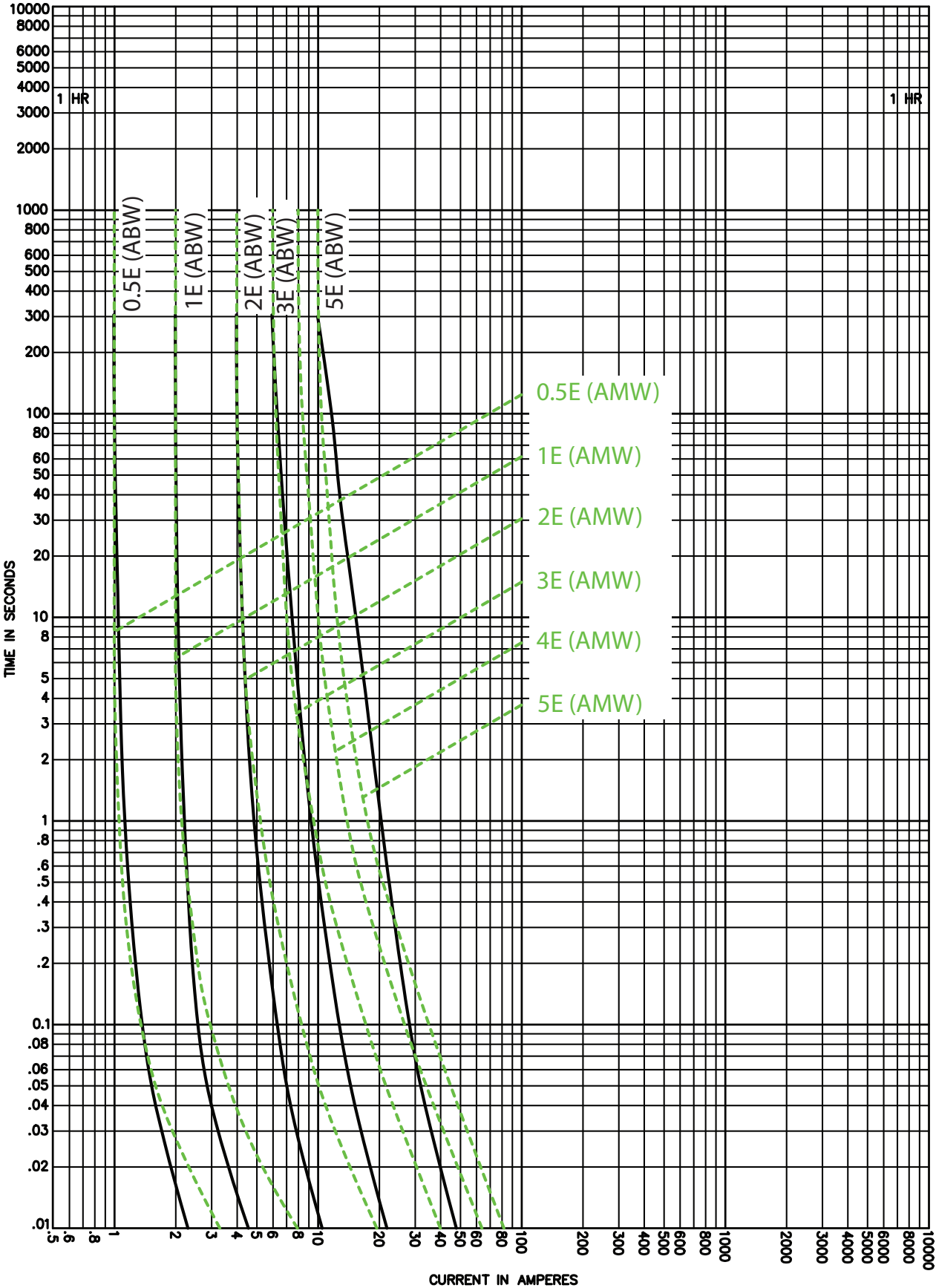


5.5CAV

5.5 kV peak let-through curves for 5.5CAVH_

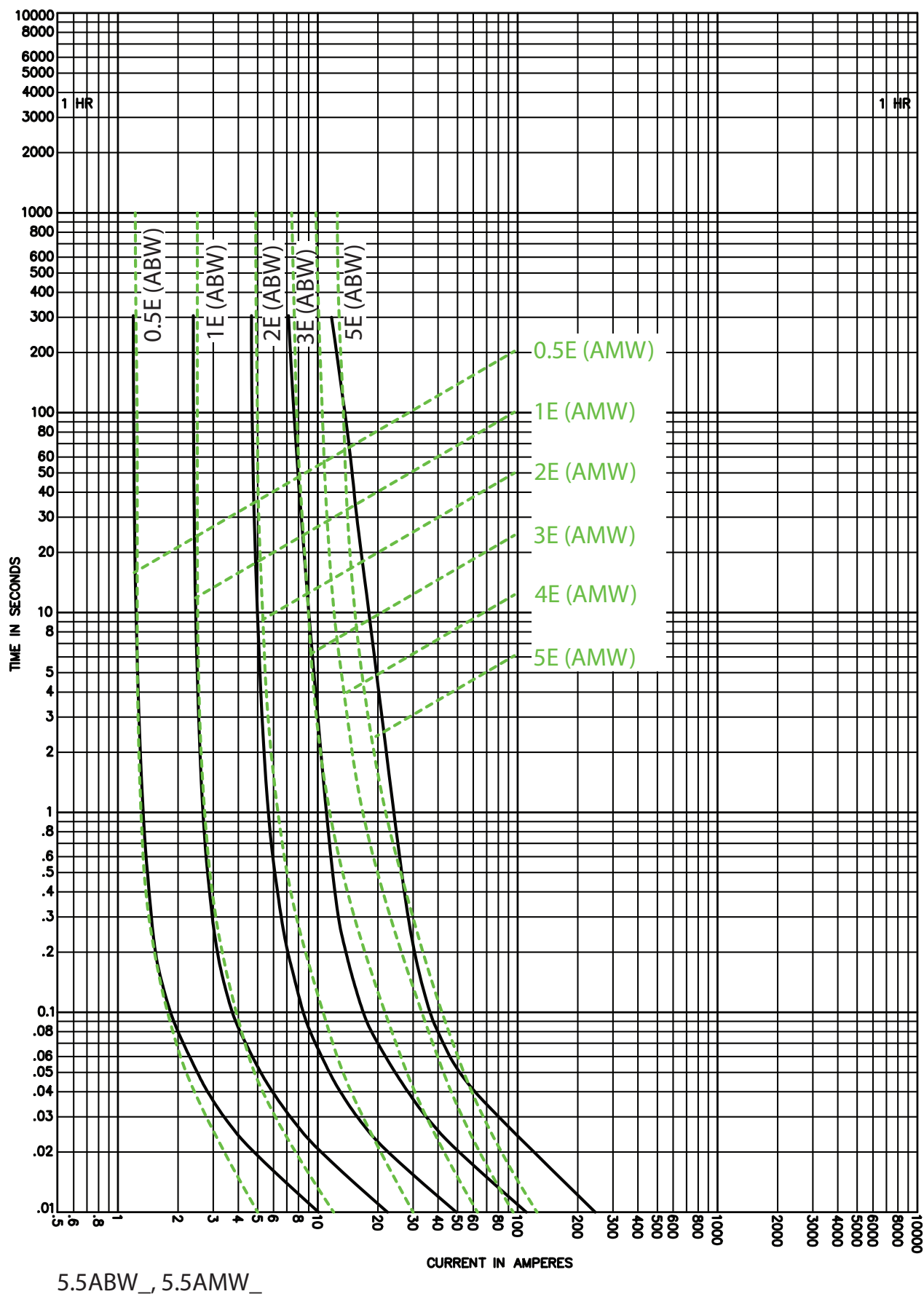


5.5 kV time-current curves — minimum melting for 5.5ABW_ and 5.5AMW_



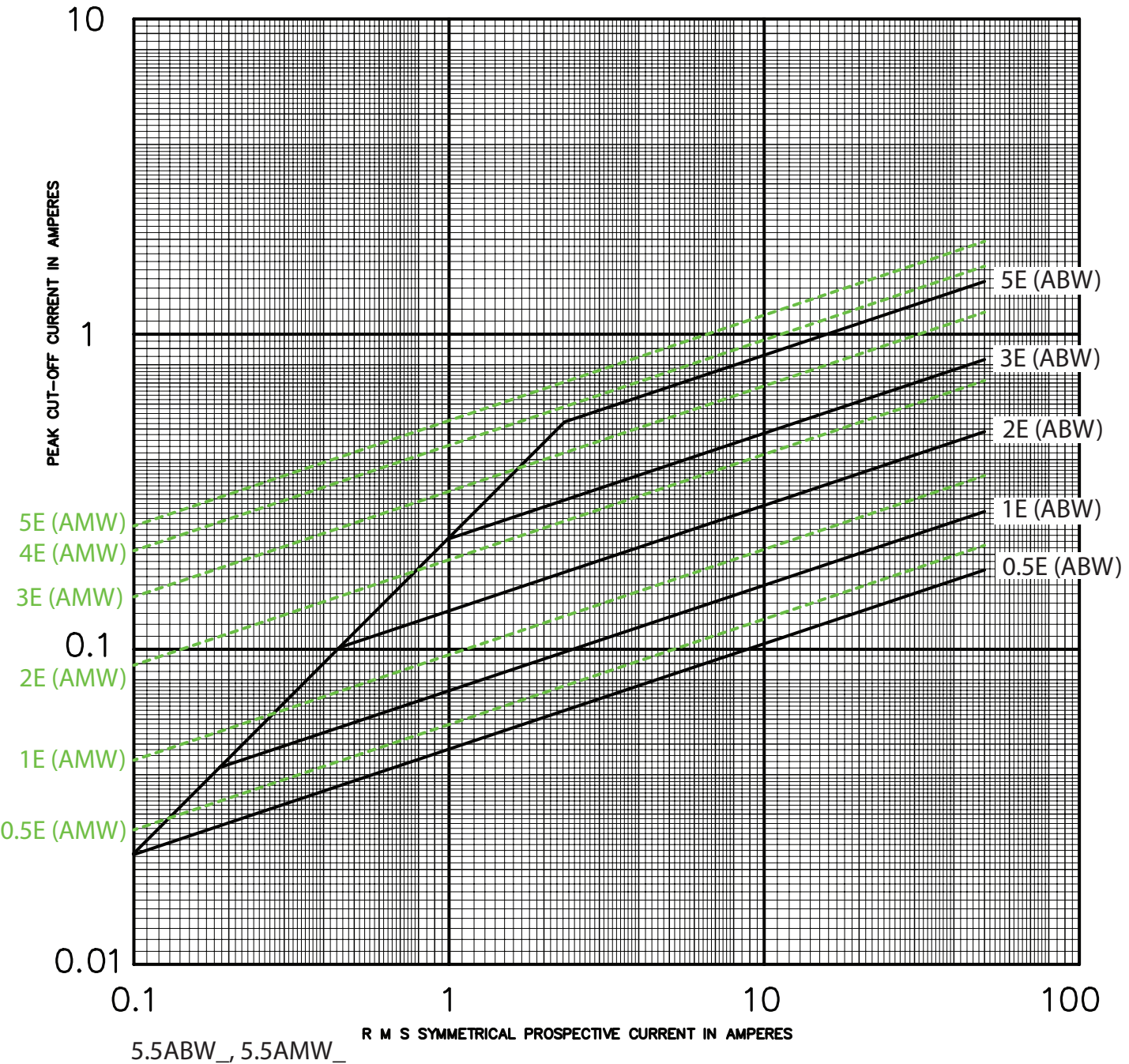
5.5ABW_, 5.5AMW_

5.5 kV time-current curves — total clearing for 5.5ABW_ and 5.5AMW_



5.5ABW_, 5.5AMW_

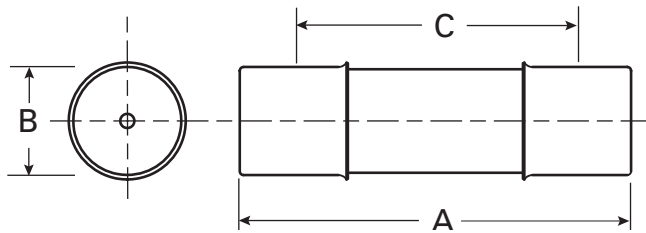
5.5 kV peak let-through curves for 5.5ABW_ and 5.5AMW_



7.2 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
0.5	5.6 (142)	0.8 (20)	4.8 (122)	—	7.2AMWNA0.5E (50)	1A1837
1	5.6 (142)	0.8 (20)	4.8 (122)	—	7.2AMWNA1.0E (50)	
2	5.6 (142)	0.8 (20)	4.8 (122)	—	7.2AMWNA2.0E (50)	
2	8.7 (221)	1.6 (41)	7.5 (190)	—	7.2CAV2 (40)	1A0835
3	5.6 (142)	0.8 (20)	4.8 (122)	—	7.2AMWNA3.0E (50)	1A1837
3.15	5.6 (142)	1 (25.4)	4.4 (112)	—	7.2ABWNA3.15 (45)	A3354705
3.15	7.7 (195)	1 (25.4)	6.5 (165)	—	7.2ABCNA3.15 (45)	
4	5.6 (142)	0.8 (20)	4.8 (122)	—	7.2AMWNA4.0E (50)	1A1837
4	8.7 (221)	1.6 (41)	7.5 (190)	—	7.2CAV4 (40)	1A0835
5	5.6 (142)	0.8 (20)	4.8 (122)	—	7.2AMWNA5E (50)	1A1837
6	8.7 (221)	1.6 (41)	7.5 (190)	—	7.2CAV6 (40)	1A0835
6.3	5.6 (142)	1 (25.4)	4.4 (112)	—	7.2ABWNA6.3 (45)	A3354705
6.3	7.7 (195)	1 (25.4)	6.5 (165)	—	7.2ABCNA6.3 (45)	
10	8.7 (221)	1.6 (41)	7.5 (190)	—	7.2CAV10 (40)	1A0835

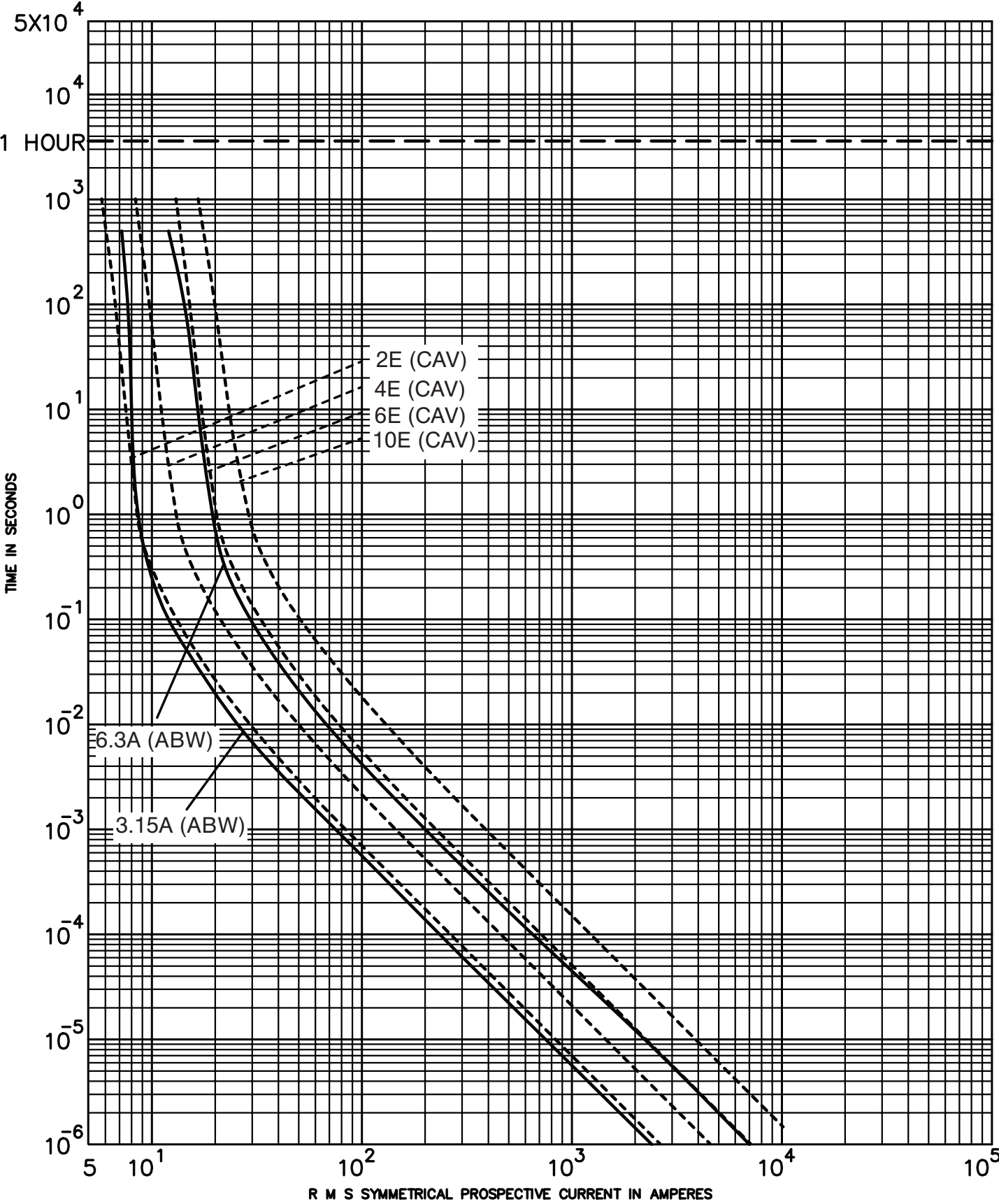
Dimensions (see catalog number tables for values)



Recommended fuseclips

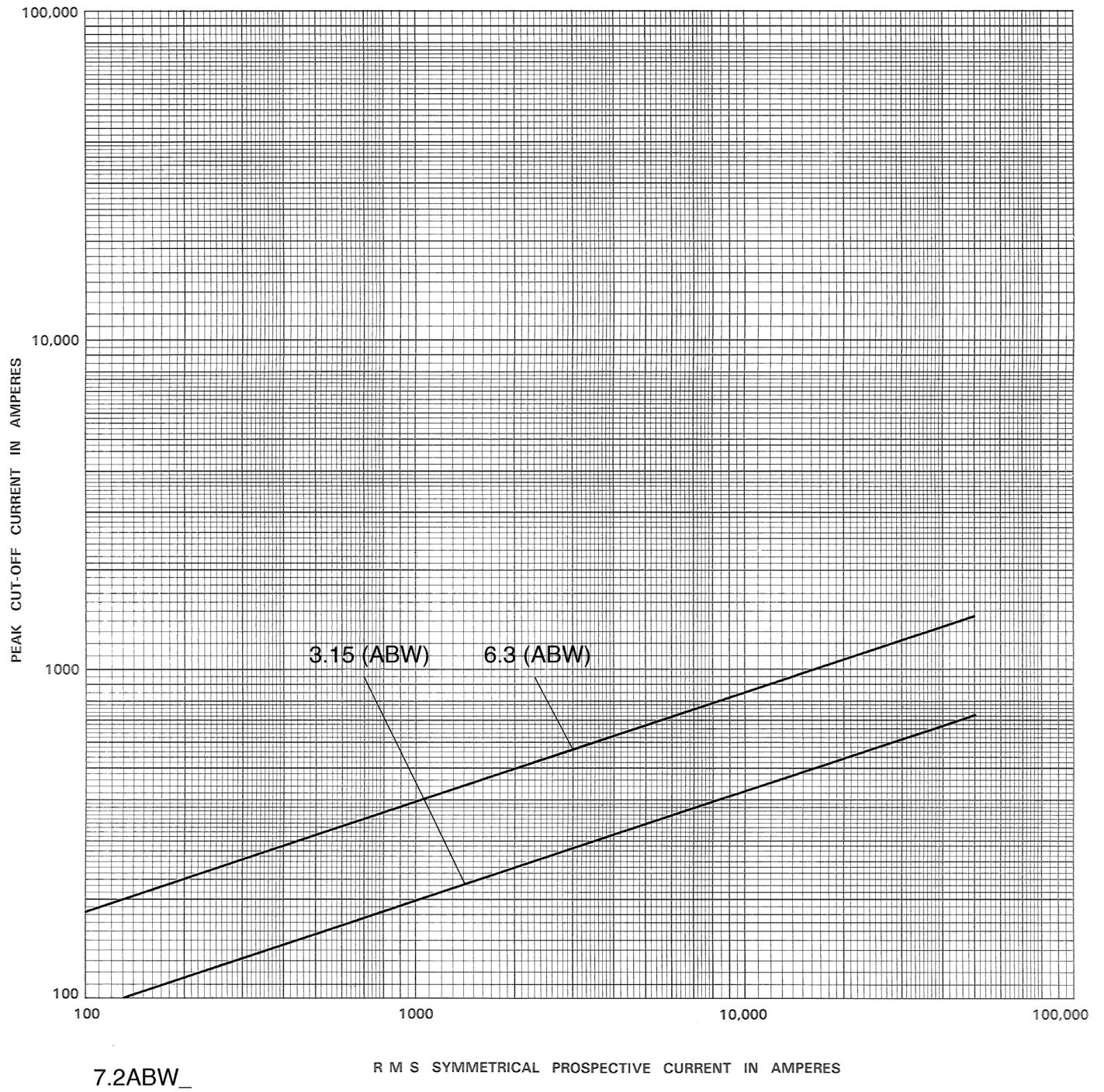
Description	Cat. No.
Open fuseclip for 0.8 (20 mm) dia. fuses	1A1837
Open fuseclip for 1.0 (25.4 mm) dia. fuses	A3354705
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

7.2 kV time-current curves — minimum melting for 7.2ABW_ and 7.2CAV_



7.2ABW_ 7.2CAV_

7.2 kV peak let-through curves for 7.2ABW_



8.3 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
0.5	9.5 (241)	1.6 (41)	8.1 (206)	8CLPT-5 (50) [†]	8NCLPT-5E-A (50)	1A0835
1	5 (127)	1.1 (28)	4 (102)	—	8NCLPT-1E (50)	A3354705
1	9.5 (241)	1.6 (41)	8.1 (206)	—	8NCLPT-1E-A (50)	1A0835
2	8 (203)	0.8 (20)	7.2 (183)	—	8NCLPT-2E (25)	1A1837
2	9.5 (241)	1.6 (41)	8.1 (206)	—	8NCLPT-2E-A (50)	1A0835
3	12.9 (328)	1.6 (41)	11.5 (292)	8CLPT-3E (50)	8NCLPT-3E-B (50)	
4	8 (203)	0.8 (20)	7.2 (183)	—	8NCLPT-4E (25)	1A1837
5	5 (127)	1.1 (28)	4 (102)	—	8NCLPT-5E (50)	A3354705
5	12.9 (328)	1.6 (41)	11.5 (292)	8CLPT-5E (50)	8NCLPT-5E-B (50)	1A0835
8	5 (127)	1.1 (28)	4 (102)	—	8NCLPT-8E (50)	
10	12.9 (328)	1.6 (41)	11.5 (292)	8CLPT-10E (50)	8NCLPT-10E-B (50)	

[†] Does not comply with ANSI C37.46 for “E” rating.

CLPT type mountings and hardware 8.3 kV maximum (7.2 kV nominal)*

Amp rating	Fuse mounting type**	BIL (kV)	Catalog number			
			Mounting (including live parts, end fittings)***		Live parts (including end fittings)***	End fittings (disconnect only)
0.5–2	Non-disconnect	75	8CLPT-PNM-A	8CLPT-GNM-A	CLPT-NL	—
	Disconnect [†]	75	8CLPT-PDM-A	8CLPT-GDM-A	CLPT-DL	CLPT-DF
3–10	Non-disconnect	75	8CLPT-PNM-B	8CLPT-GNM-B	CLPT-NL	—
	Disconnect [†]	75	8CLPT-PDM-B	8CLPT-GDM-B	CLPT-DL	CLPT-DF

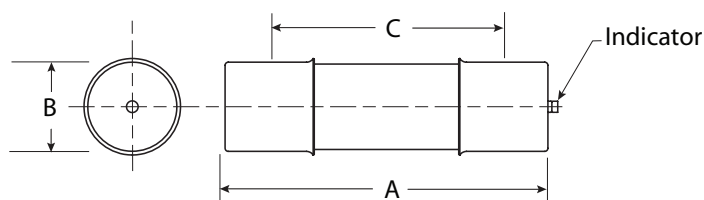
* Refers to 8CLPT and 8NCLPT-A or -B fuses only.

** See page 70 for dimensions and diagrams of typical mounting.

*** 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.

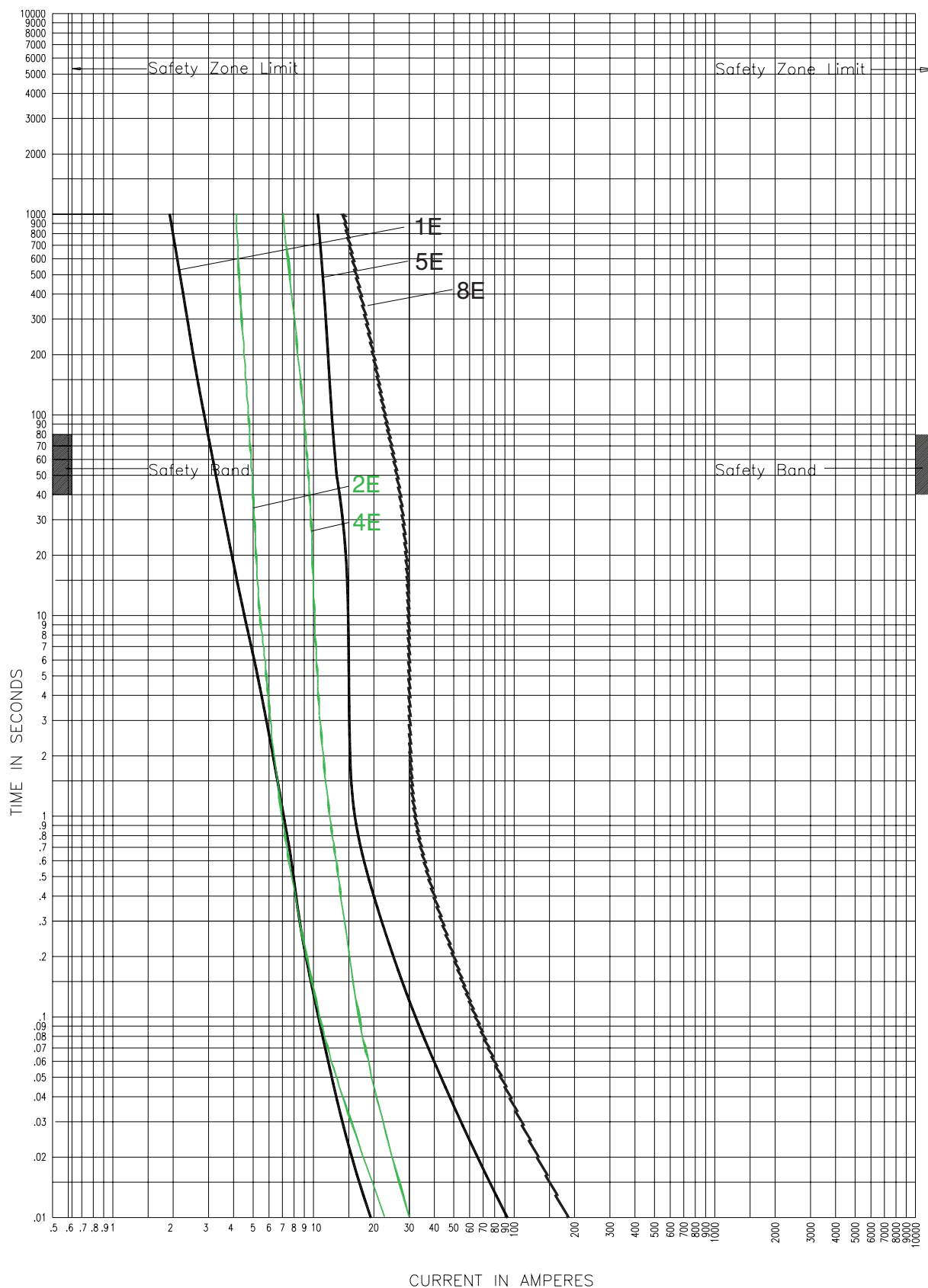
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 0.8 (20 mm) dia. fuses	1A1837
Open fuseclip for 1.0 (25.4 mm) dia. fuses	A3354705
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

8.3 kV time-current curves — minimum melting for 8NCLPT_

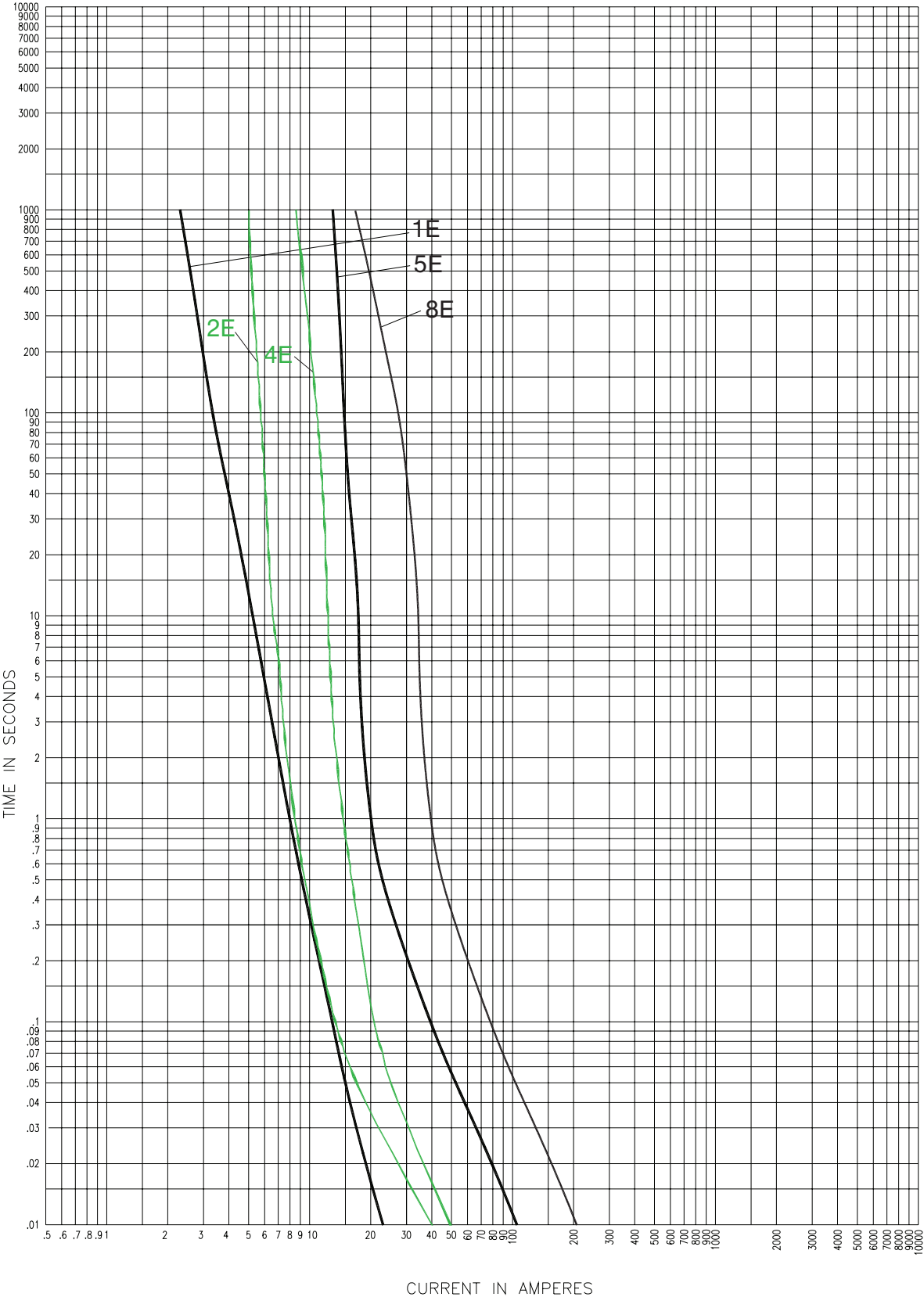


8NCLPT_

Curve 59887102
July 2002
Reference # 628852, 598871

Curve TC56357206
December 2008

8.3 kV time-current curves — total clearing for 8NCLPT_



8NCLPT_

Curve 59887104
July 2002
Reference # 598871

Curve TC59883706
December 2008

8.3 kV peak let-through curves for 8NCLPT_

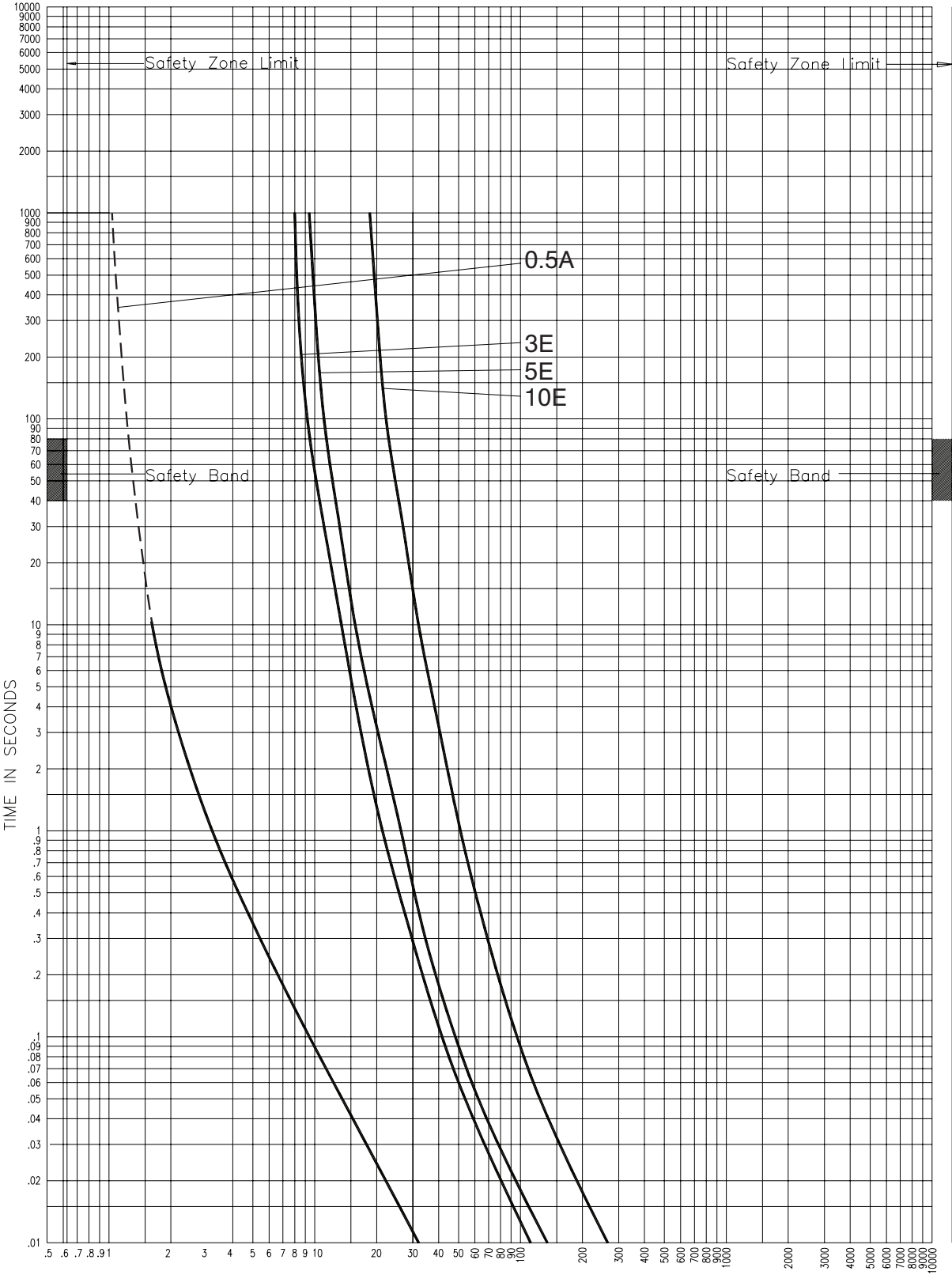


8NCLPT_

Curve 63933703
July 2001
Reference # 639337

Curve TC63933704
December 2008

8.3 kV time-current curves — minimum melting for 8CLPT_

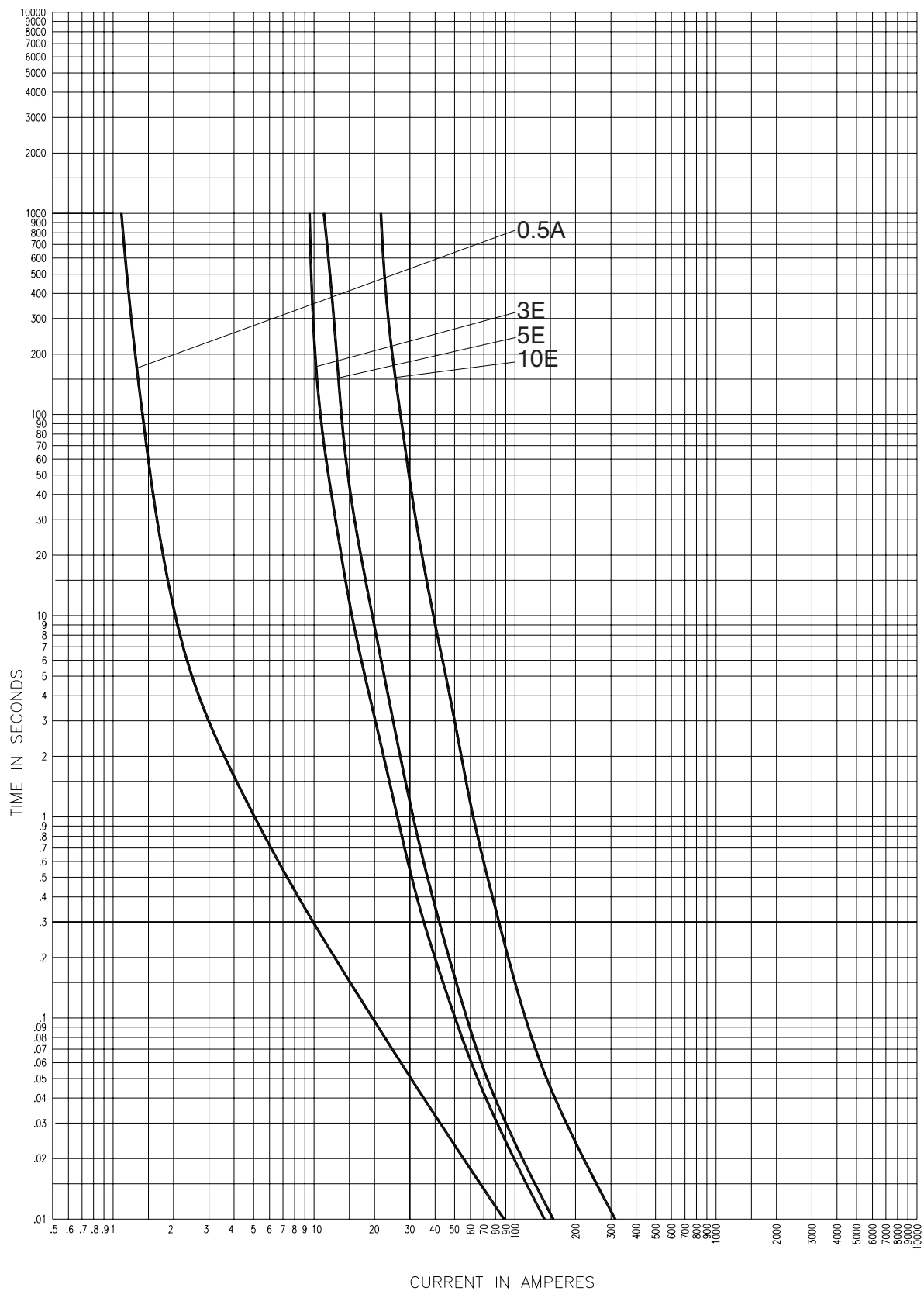


8CLPT_

0.5 A fuse melt time in the dotted line region may not be assured due to manufacturing variations. The dotted lines show nominal operation. Some individual fuses may not open until current at 10-second mark is applied.

Curve TC56353206
December 2013

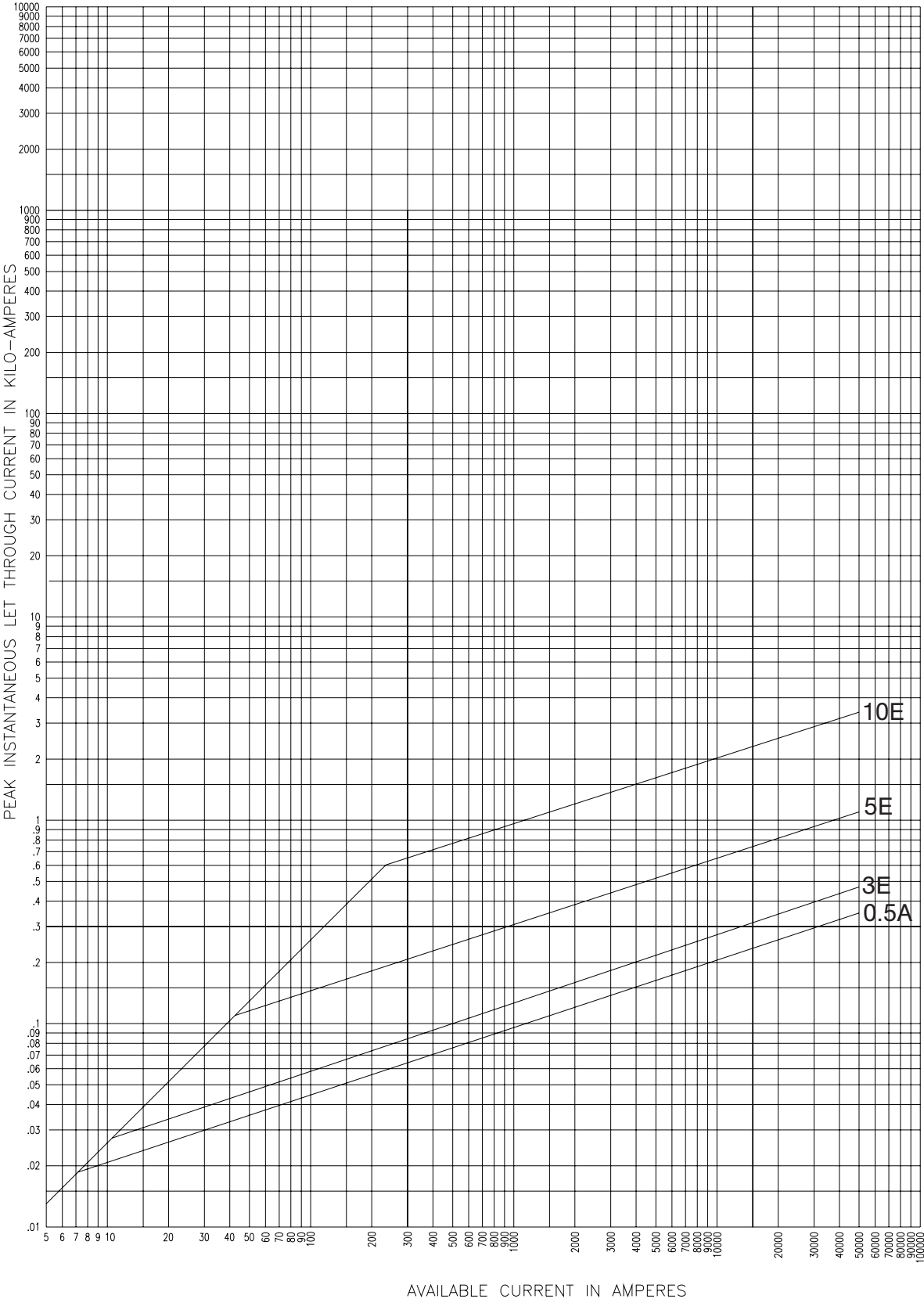
8.3 kV time-current curves — total clearing for 8CLPT_



8CLPT_

Curve TC56353306
March 2013

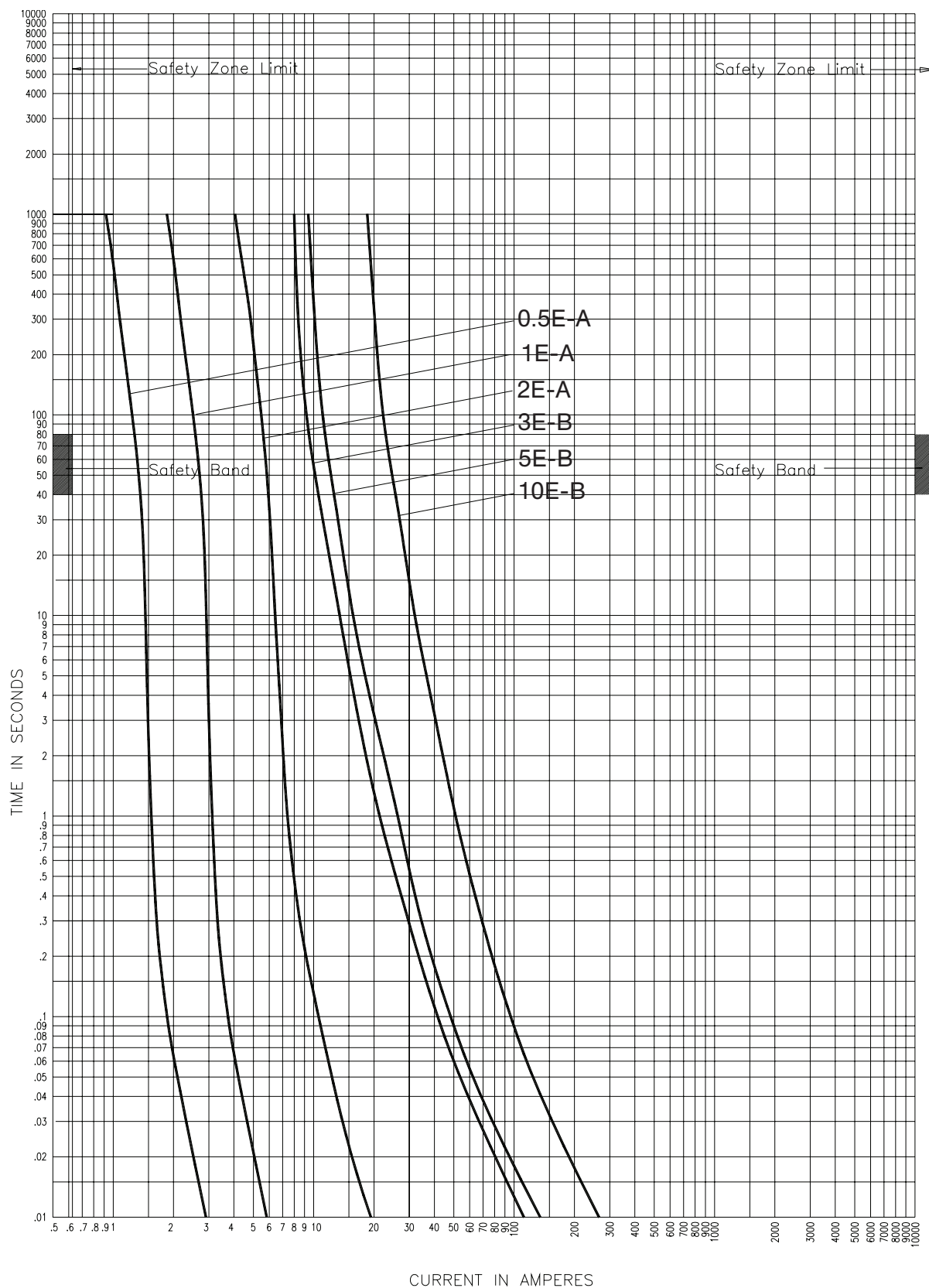
8.3 kV peak let-through curves for 8CLPT_



8CLPT_

Curve TC63934001
March 2013

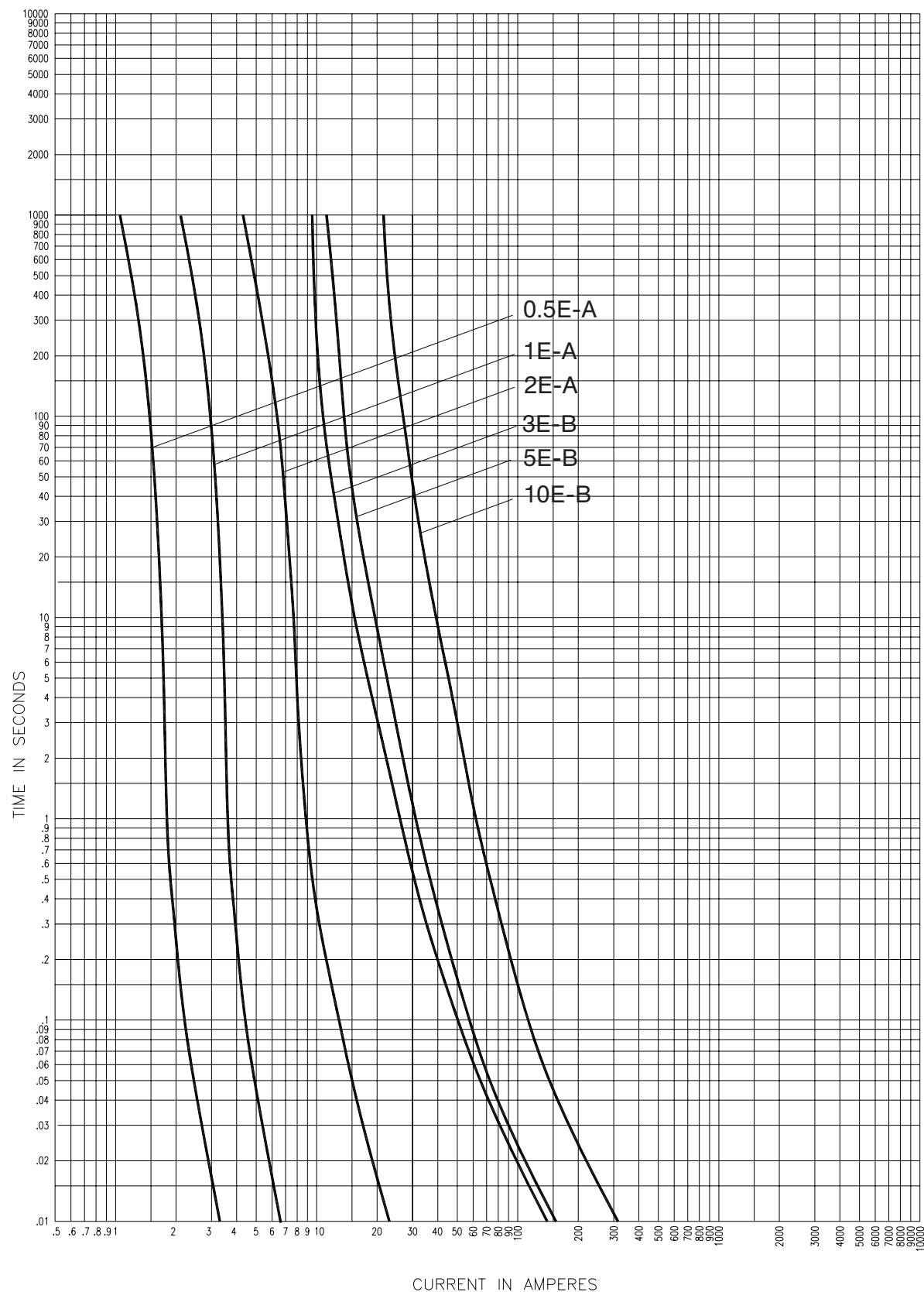
8.3 kV time-current curves — minimum melting for 8NCLPT_E-A/B



8NCLPT_E-A/B

Curve TC70548303
December 2008

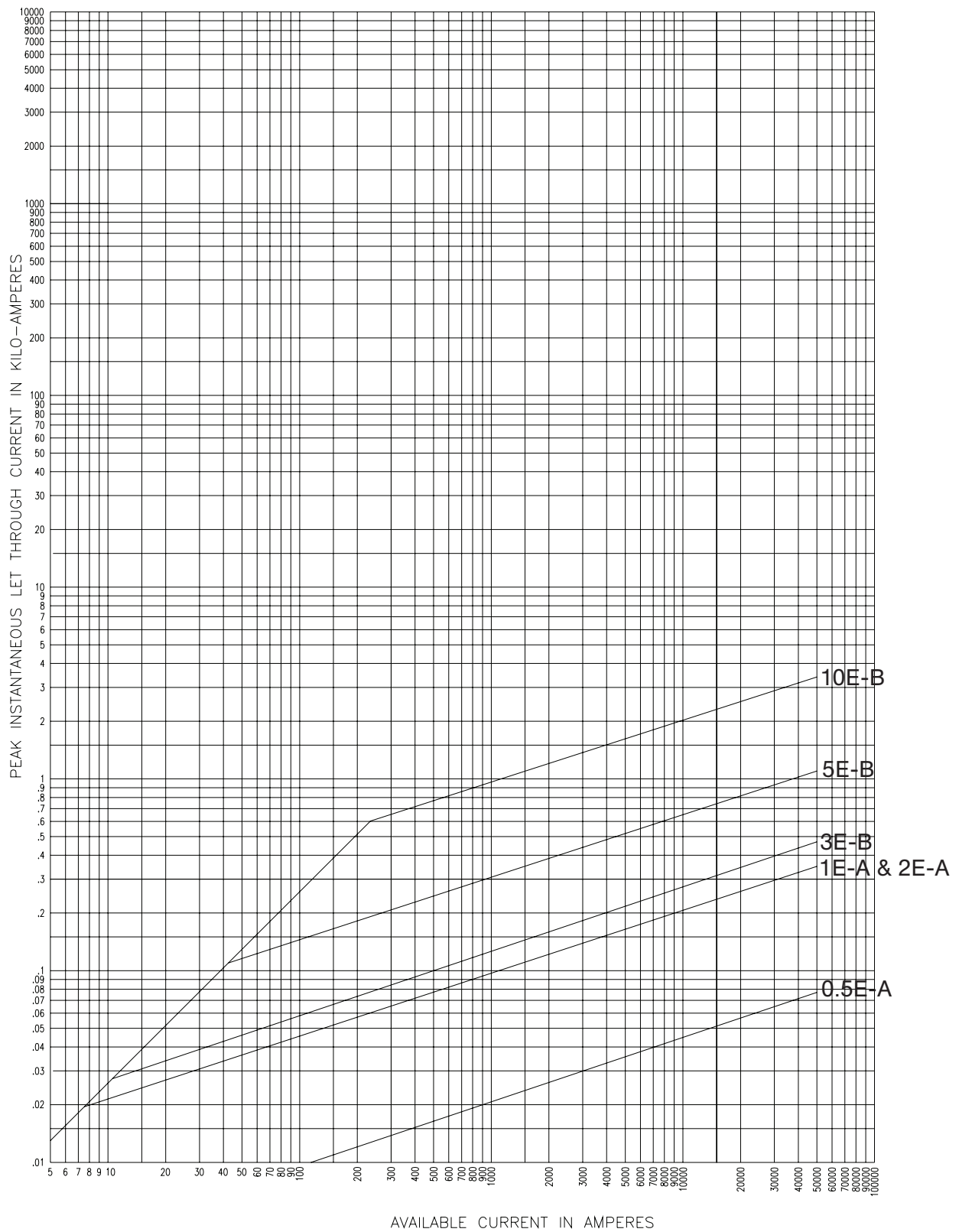
8.3 kV time-current curves — total clearing for 8NCLPT_E--A/B



8NCLPT_E-A/B

Curve TC70548403
December 2008

8.3 kV peak let-through curves for 8NCLPT_E-A/B



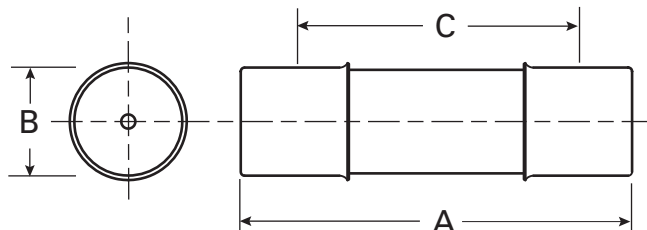
8NCLPT_E-A/B

Curve TC63934002
December 2008

12 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
2	8.7 (221)	1.6 (41)	7.5 (190)	—	12CAV2 (40)	1A0835
3.15	7.7 (195)	1 (25)	6.5 (165)	—	12ABCNA3.15 (45)	A3354705

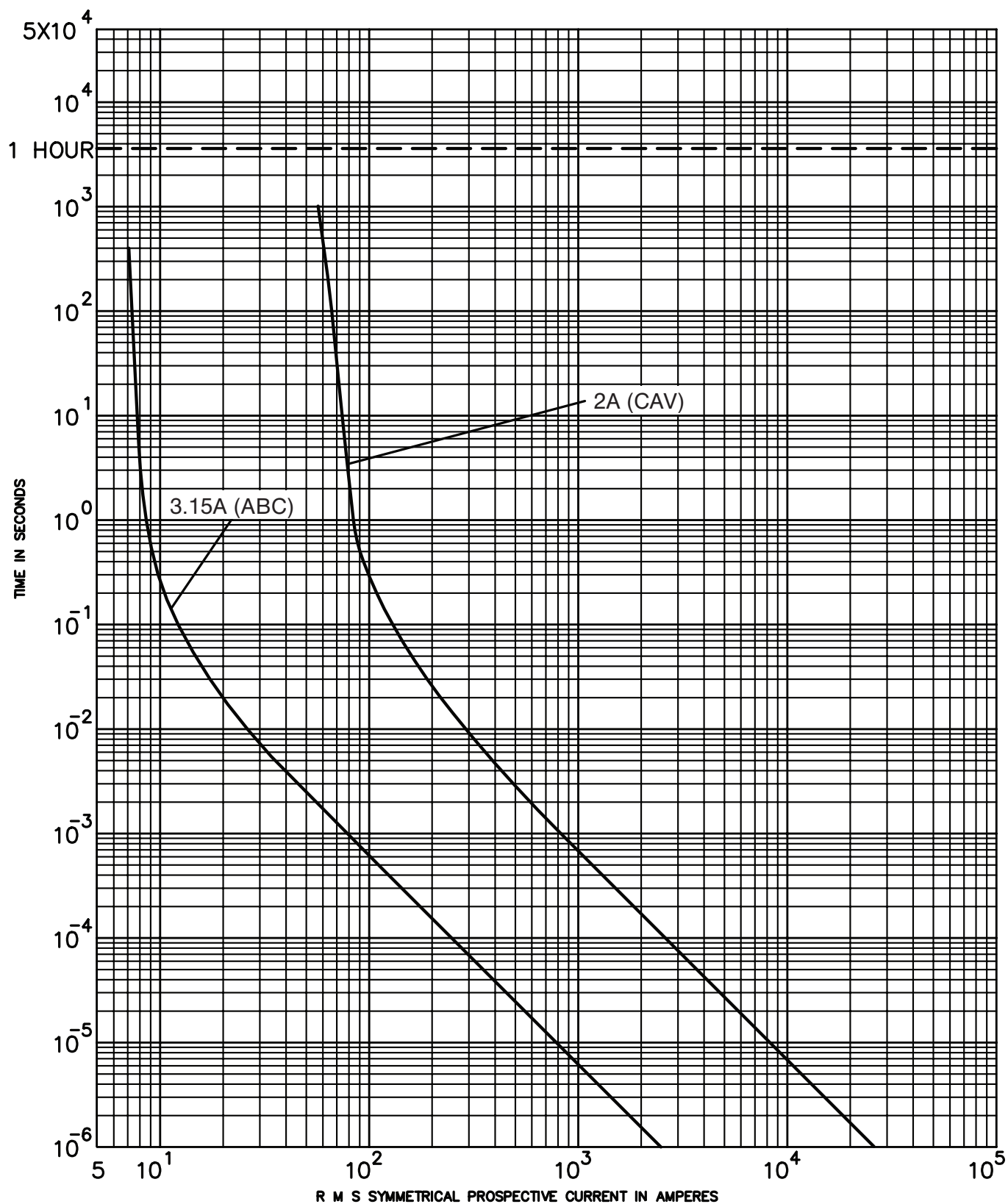
Dimensions (see catalog number tables for values)



Recommended fuseclips:

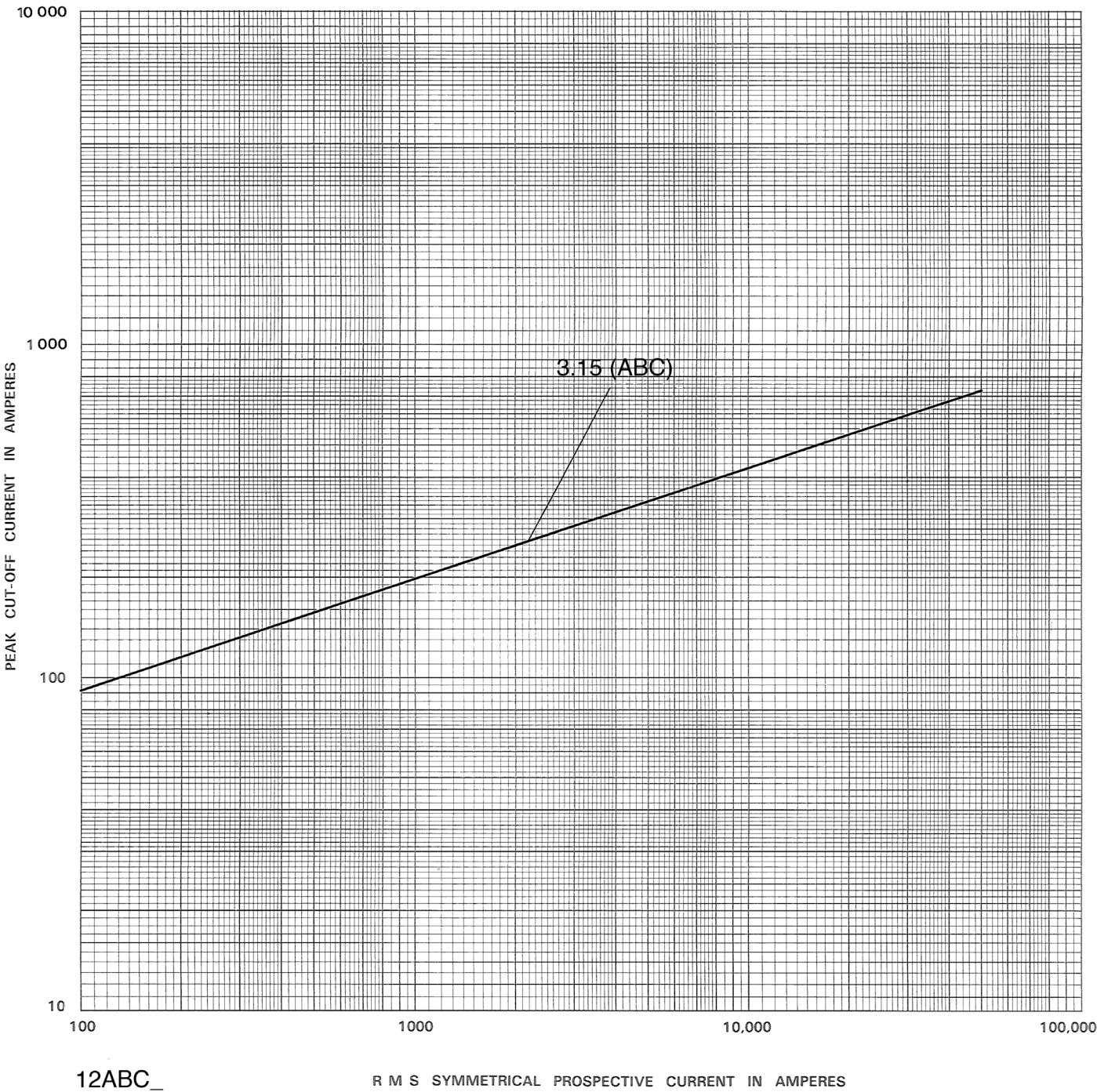
Description	Cat. No.
Open fuseclip for 1.0 (25.4 mm) dia. fuses	A3354705
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

12 kV time-current curves — minimum melting for 12ABC_ and 12CAV_



12ABC_, 12CAV_

12 kV peak let-through curves for 12ABC_



15.5 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
0.5	12.9 (328)	1.6 (41)	11.5 (292)	15.5CAVH0.5E (80)	15NCLPT-5E-A (50)	1A0835
1	12.9 (328)	1.6 (41)	11.5 (292)	15.5CAVH1E (80)	15NCLPT-1E-A (50)	
2	12.9 (328)	1.6 (41)	11.5 (292)	15.5CAVH2E (80)	15NCLPT-2E (50)	
3	12.9 (328)	1.6 (41)	11.5 (292)	—	15.5CAV3E (80)	
3	17.6 (447)	1.6 (41)	16.1 (409)	—	15NCLPT-3E (50)	
3	17.6 (447)	1.6 (41)	16.1 (409)	15CLPT-3E (50)	—	
5	12.9 (328)	1.6 (41)	11.5 (292)	—	15.5CAV5E (80)	
5	17.6 (447)	1.6 (41)	16.1 (409)	15CLPT-5E (50)	15NCLPT-5E (50)	
7	12.9 (328)	1.6 (41)	11.5 (292)	—	15.5CAV7E (80)	
10	17.6 (447)	1.6 (41)	16.1 (409)	15CLPT-10E (50)	15NCLPT-10E (50)	

CLPT Type mountings and hardware 15.5 kV maximum (14.4 kV nominal)

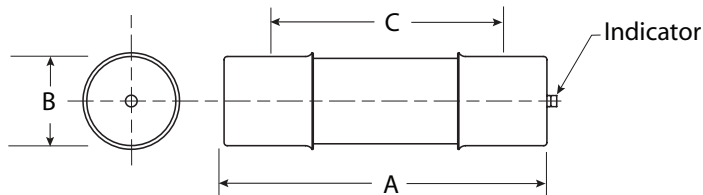
Amp rating	Fuse mounting type*	BIL (kV)	Catalog number			
			Mounting (Including live parts, end fittings)**		Live parts (including end fittings)**	End fittings (disconnect only)
			Porcelain insulator	Glass-polyester insulator		
0.5–2	Non-disconnect	95	15CLPT-PNM-A	15CLPT-GNM-A	CLPT-NL	—
	Disconnect†	95	15CLPT-PDM-A	15CLPT-GDM-A	CLPT-DL	CLPT-DF
3–10	Non-disconnect	95	15CLPT-PNM-B	15CLPT-GNM-B	CLPT-NL	CLPT-DF
	Disconnect†	95	15CLPT-PDM-B	15CLPT-GDM-B	CLPT-DL	—

* See page 70 for dimensions and diagrams of typical mounting.

** 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.

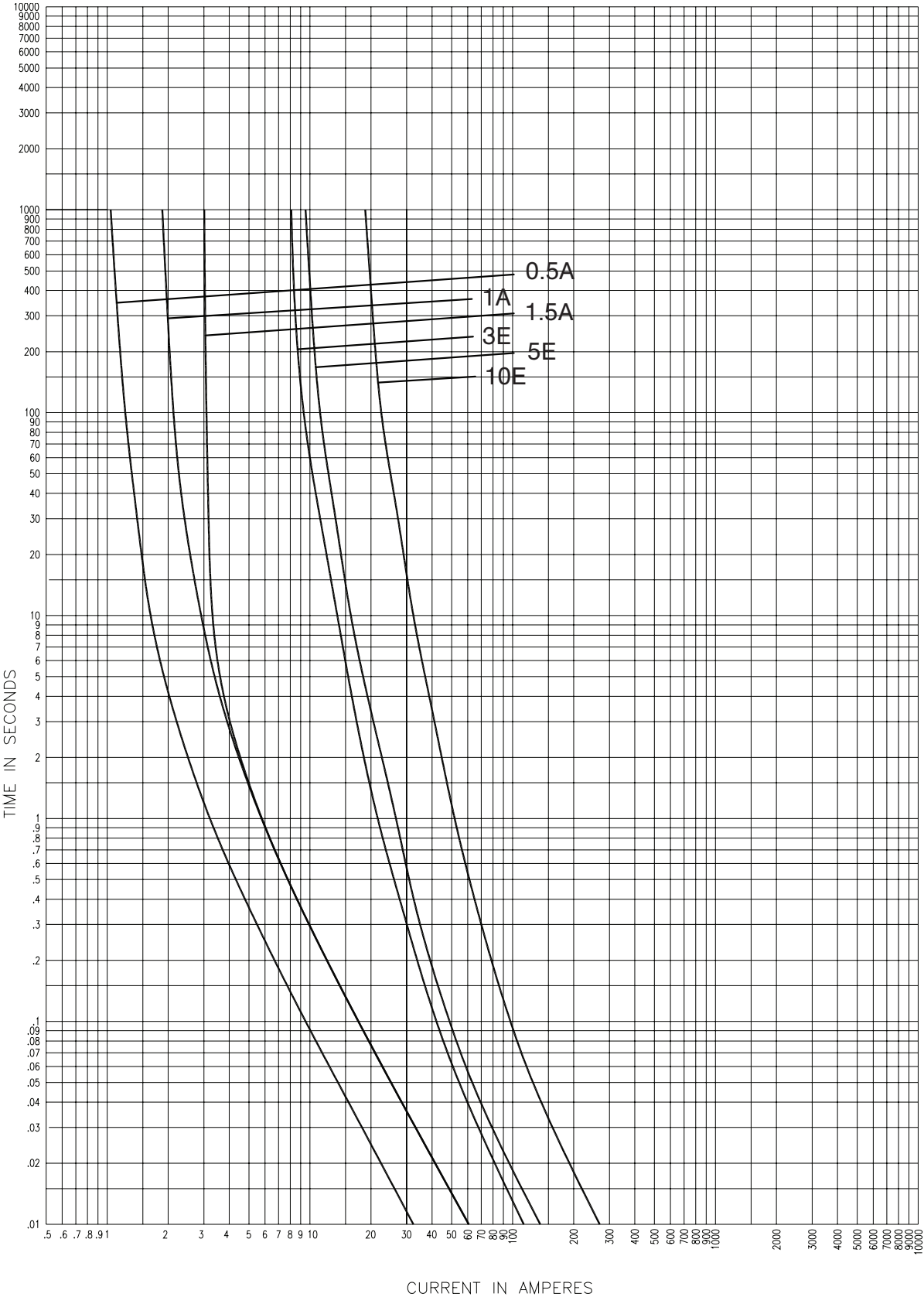
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

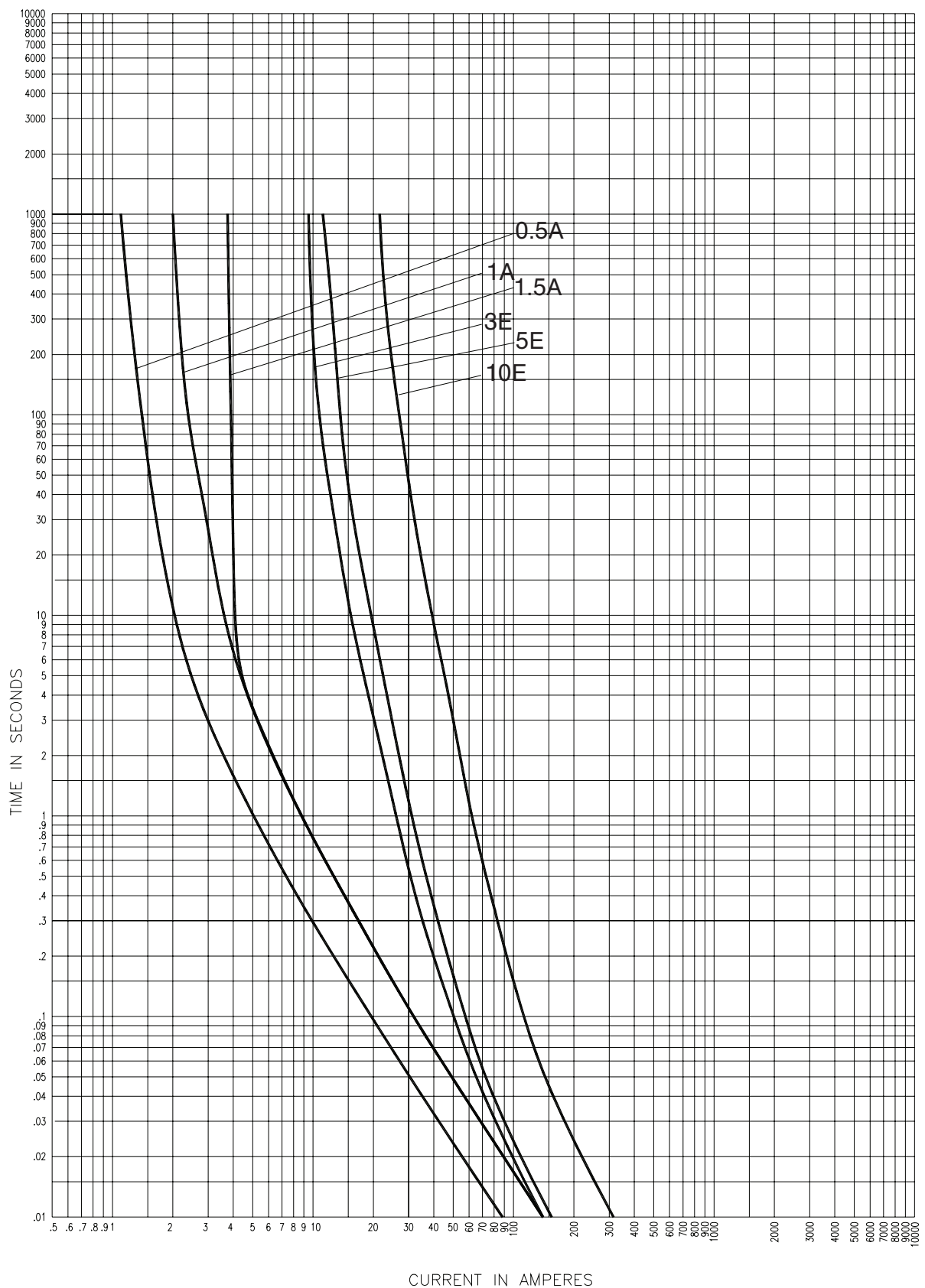
15.5 kV time-current curves — minimum melting for 15CLPT_



15CLPT_

Curve TC56353206
August 2011

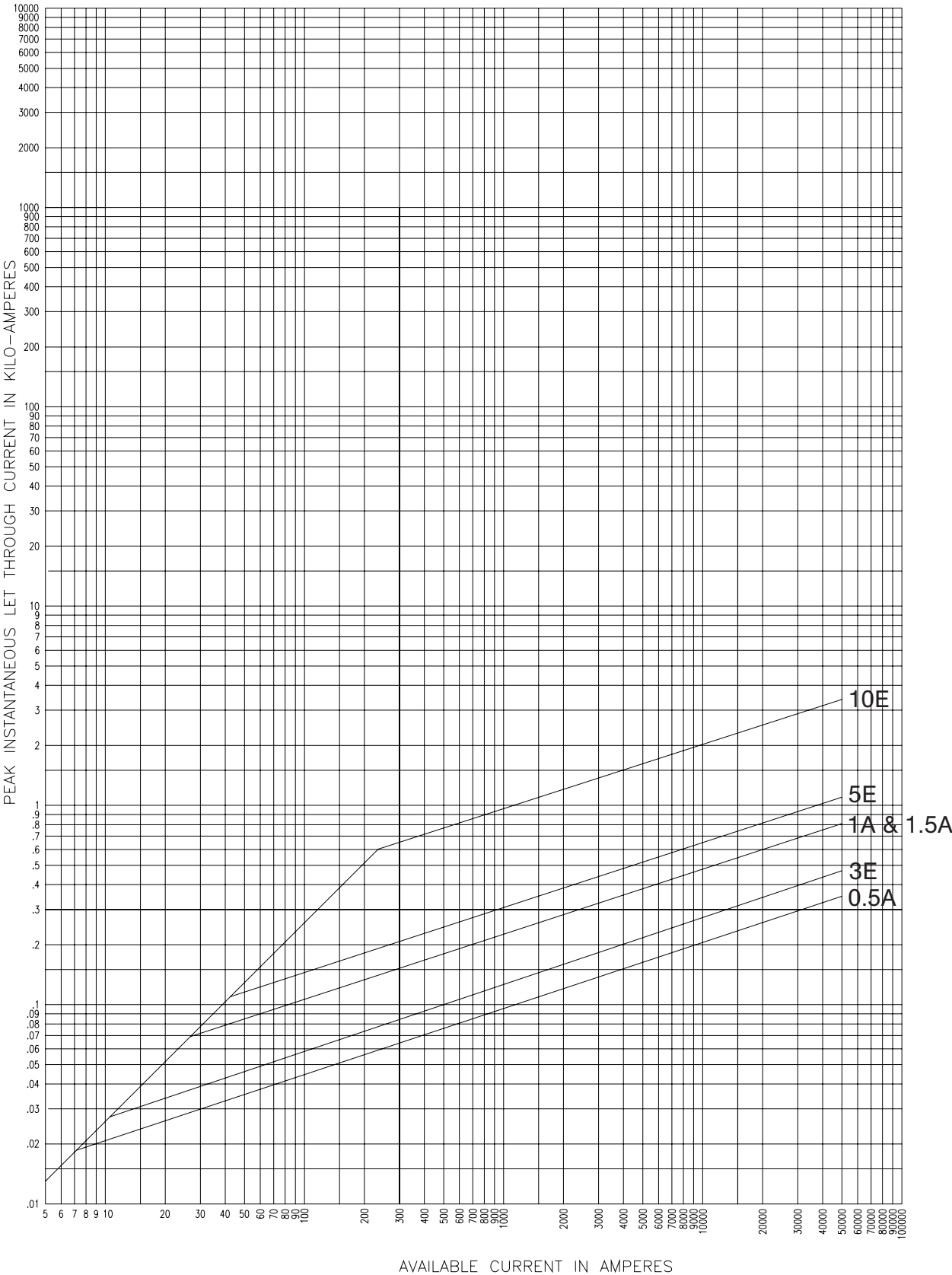
15.5 kV time-current curves — total clearing for 15CLPT_



15CLPT-E

CURVE 56353306
July 2002
Reference # 563533

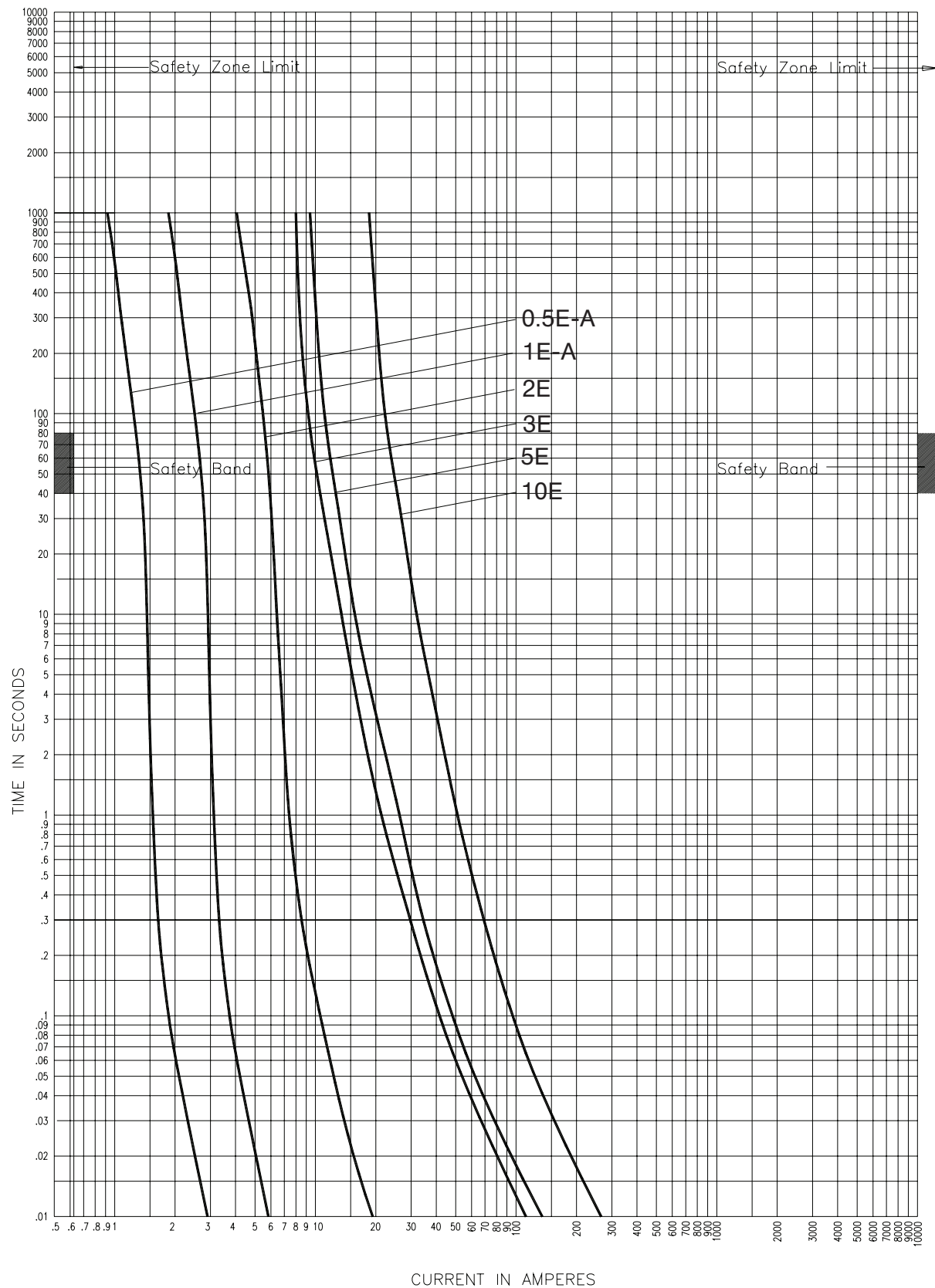
15.5 kV peak let-through curves for 15CLPT_



15CLPT_

Curve TC63934001
March 2013

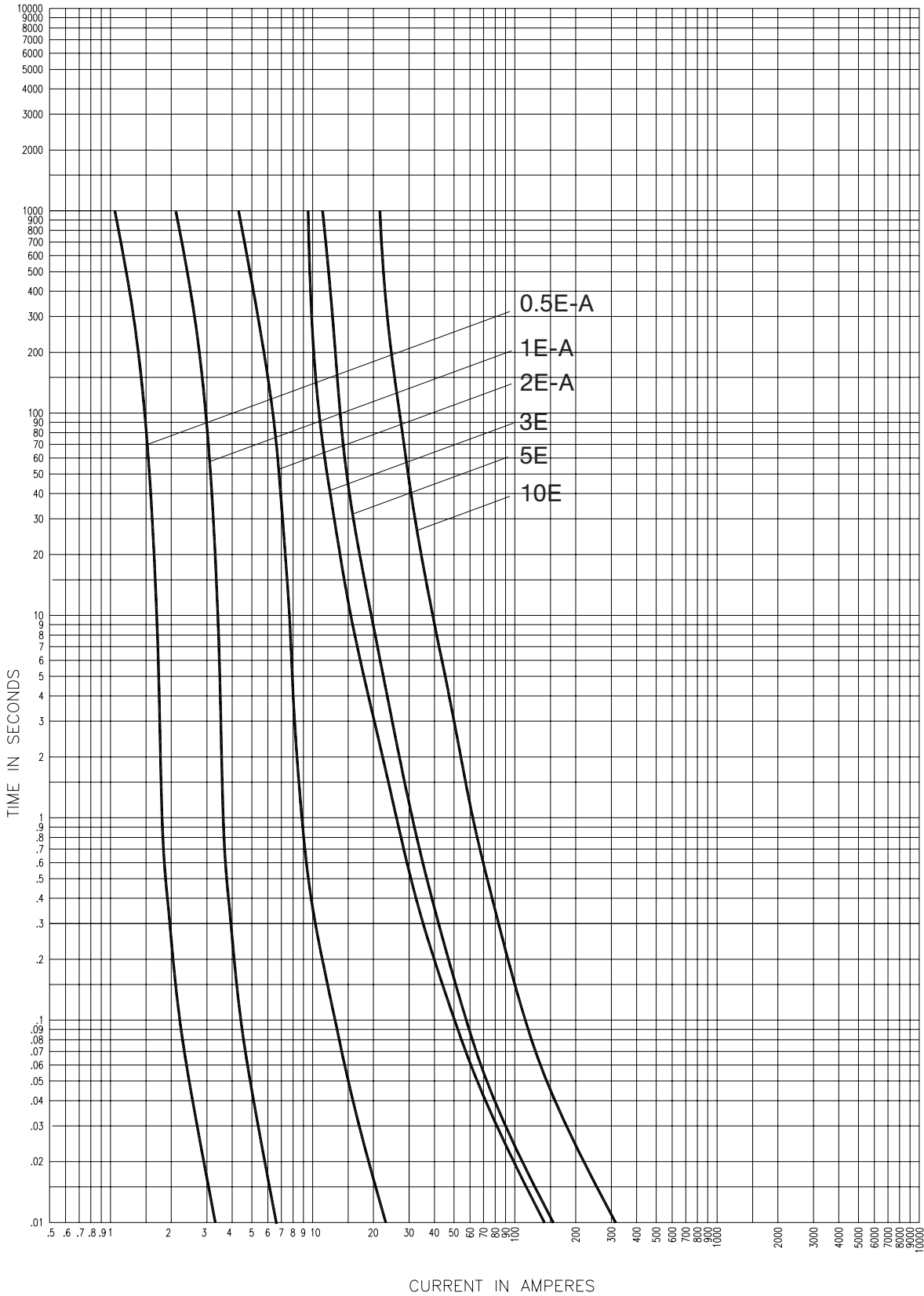
15.5 kV time-current curves — minimum melting for 15NCLPT_



15NCLPT_

Curve TC70548303
December 2008

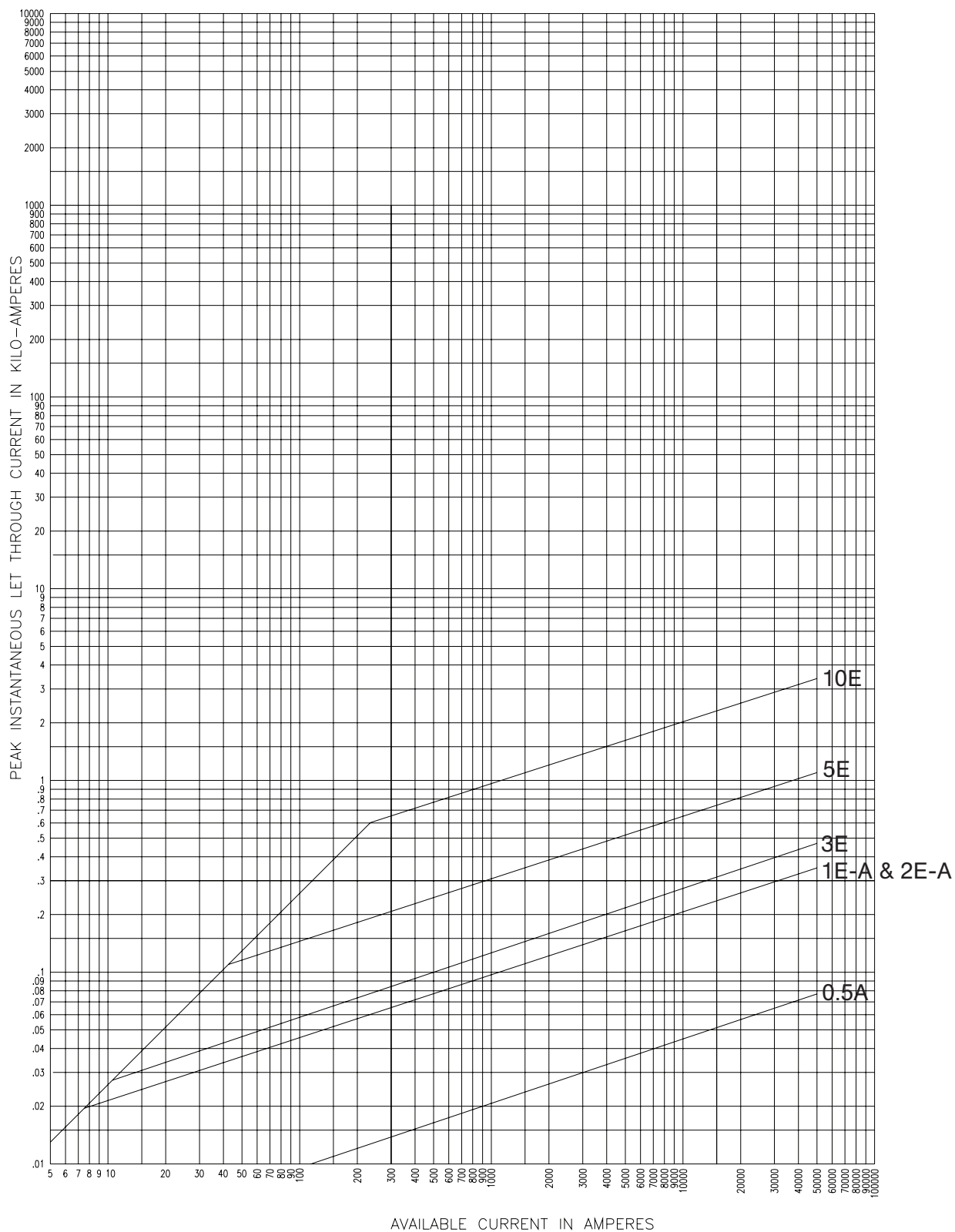
15.5 kVTime-current curves — total clearing for 15NCLPT_



15NCLPT_

Curve TC70548403
December 2008

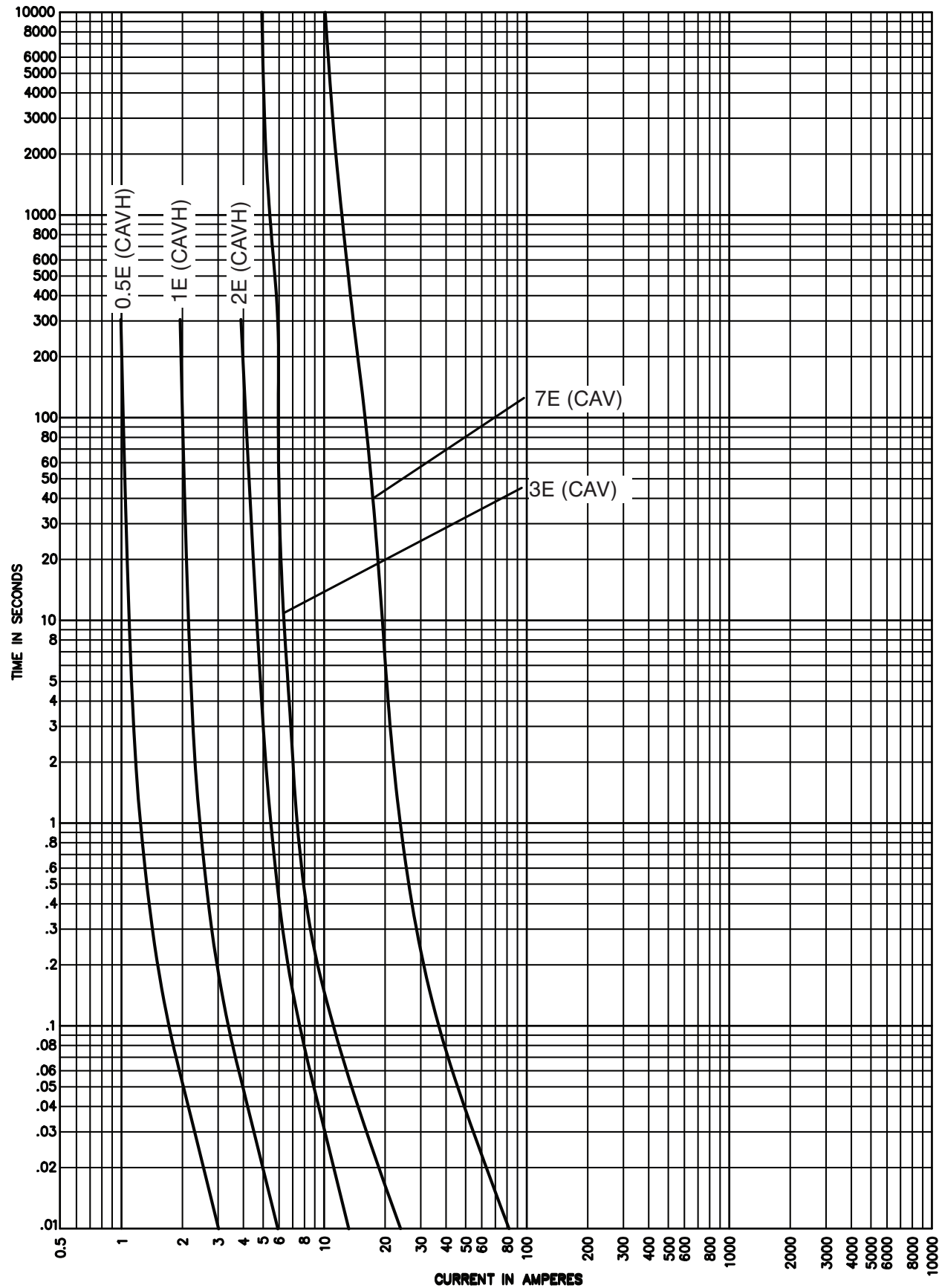
15.5 kV Peak let-through curves for 15NCLPT_



15NCLPT_

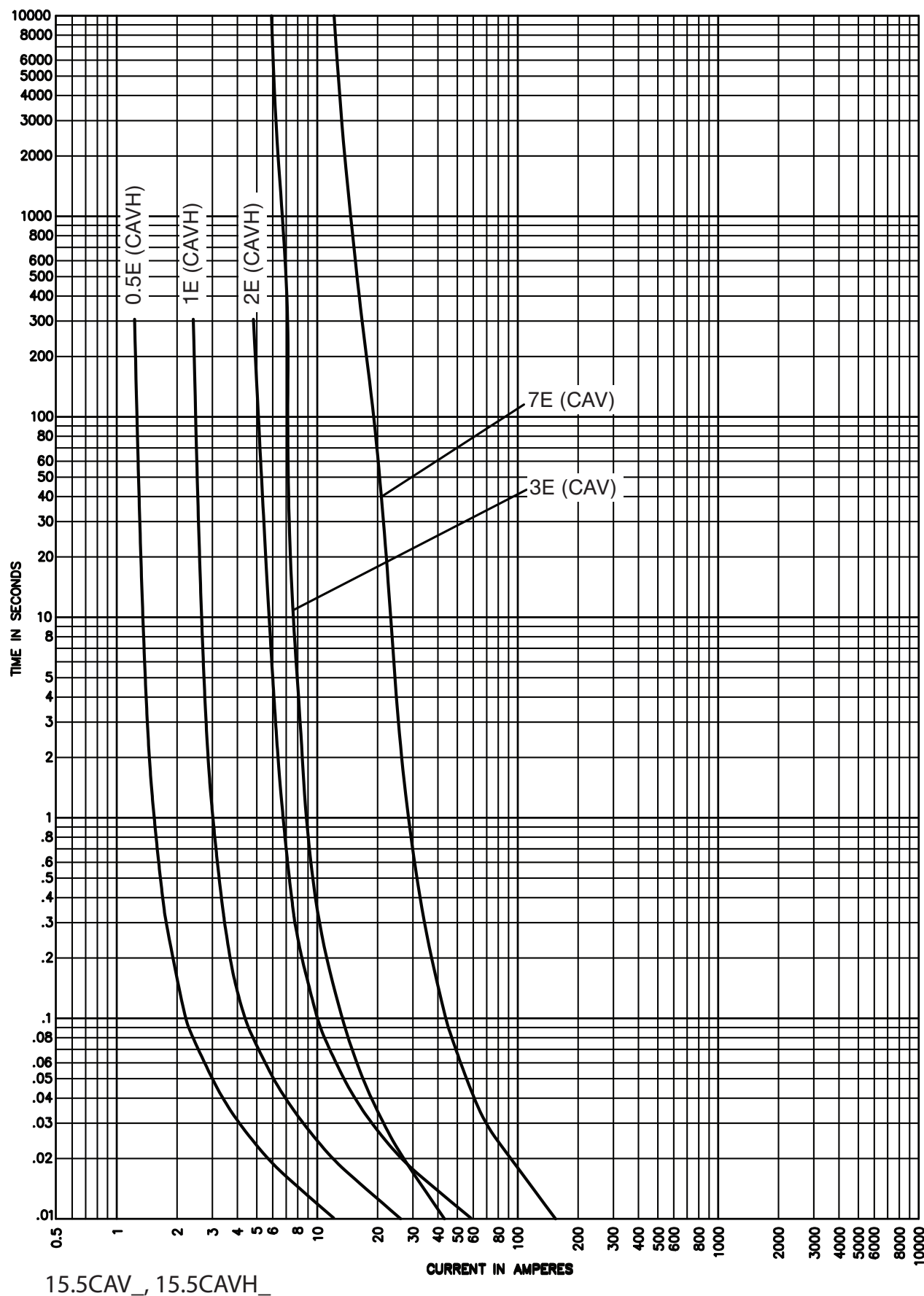
Curve TC63934002
December 2008

15.5 kV time-current curves — minimum melting for 15.5CAV_ and 15.5CAVH_



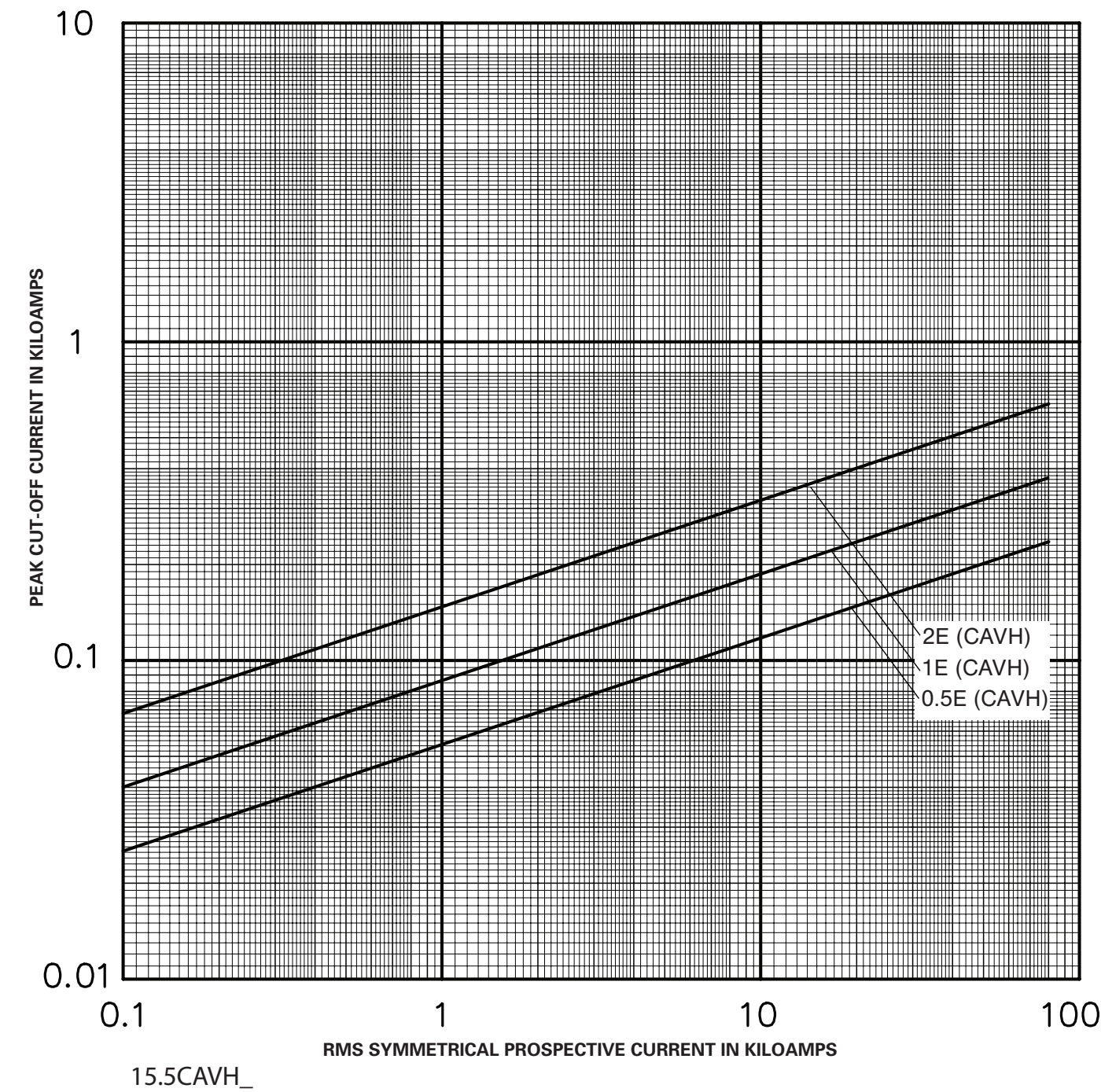
15.5CAV_, 15.5CAVH_

15.5 kV time-current curves — total clearing for 15.5CAVH_



15.5CAV_, 15.5CAVH_

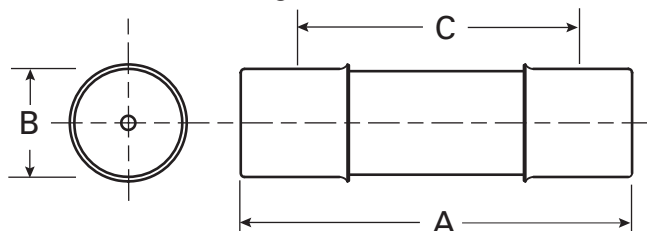
15.5 kV peak let-through curves for 15.5CAVH_



17.5 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
2	8.7 (221)	1.6 (41)	7.5 (190)	—	17.5CAV2 (40)	1A0835
4				—	17.5CAV4 (40)	
6				—	17.5CAV6 (40)	
10				—	17.5CAV10 (40)	

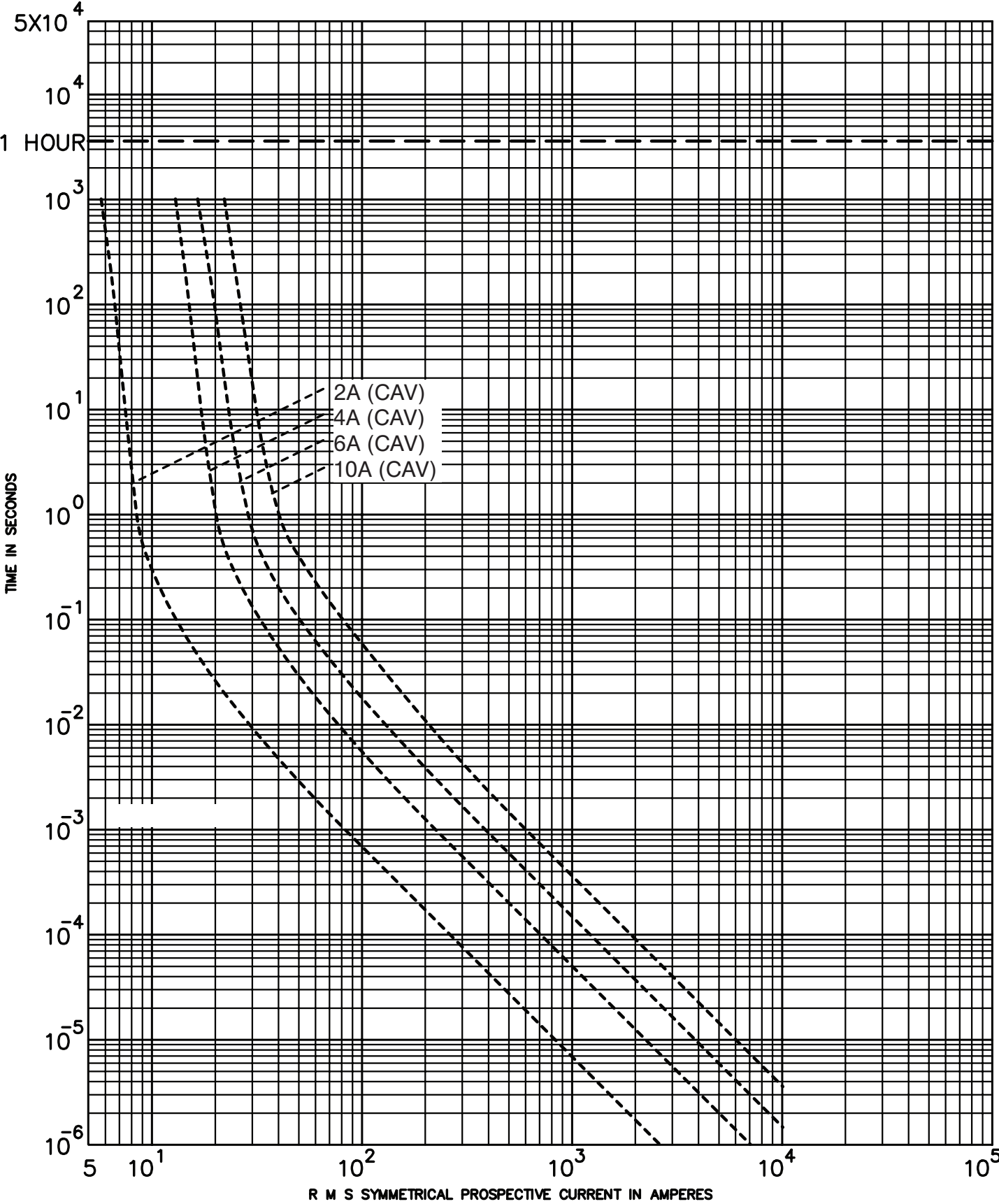
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

17.5 kV time-current curves — minimum melting for 17.5CAV_

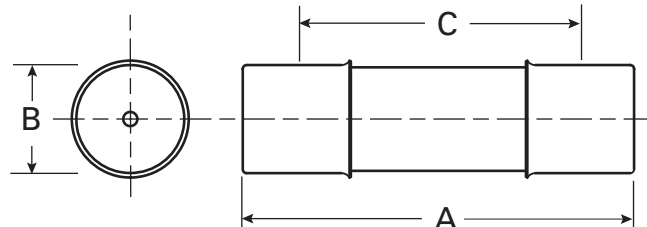


7.5CAV_

24 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
2	13.49 (340)	1.6 (41)	12.2 (310)	—	24CAV2 (40)	1A0835
3				—	24CAV3 (40)	
4				—	24CAV4 (40)	

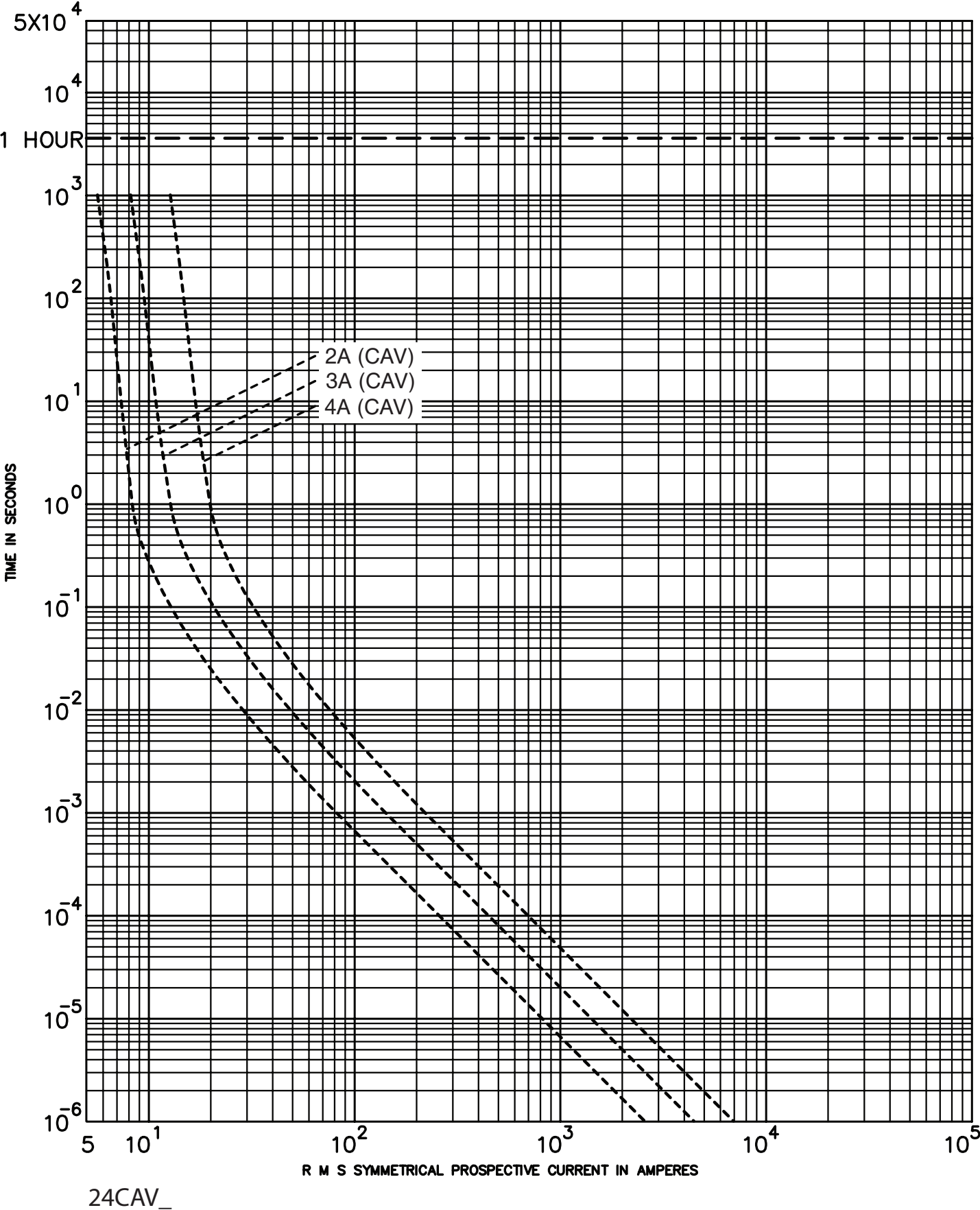
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

24 kV time-current curves — minimum melting for 24CAV_



25.5 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
0.5	17.6 (447)	1.6 (41)	16.1 (410)	25CLPT-5 (43.5) [†]	—	1A0835
1	17.6 (447)	1.6 (41)	16.1 (410)	25CLPT-1 (43.5) [†]	—	

[†] Does not comply with ANSI C37.46 for "E" rating.

CLPT Type Mountings and Hardware 25.5 kV Maximum (23 kV Nominal)

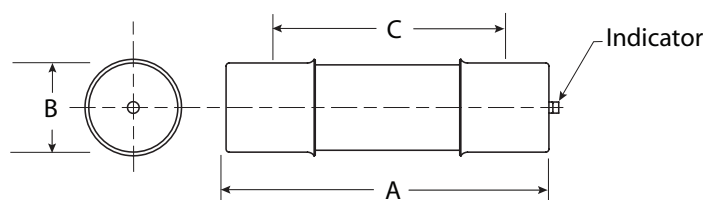
Amp rating	Fuse mounting type*	BIL (kV)	Catalog number			
			Mounting (including live parts, end fittings)**		Live parts (including end fittings)**	End fittings (disconnect only)
			Porcelain insulator	Glass-polyester insulator		
0.5-1	Non-disconnect	150	25CLPT-PNM-A	—	25CLPT-NL	—
	Disconnect	150	25CLPT-PDM-A	—	25CLPT-DL	CLPT-DF

* See page 70 for dimensions and diagrams of typical mounting.

** 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.

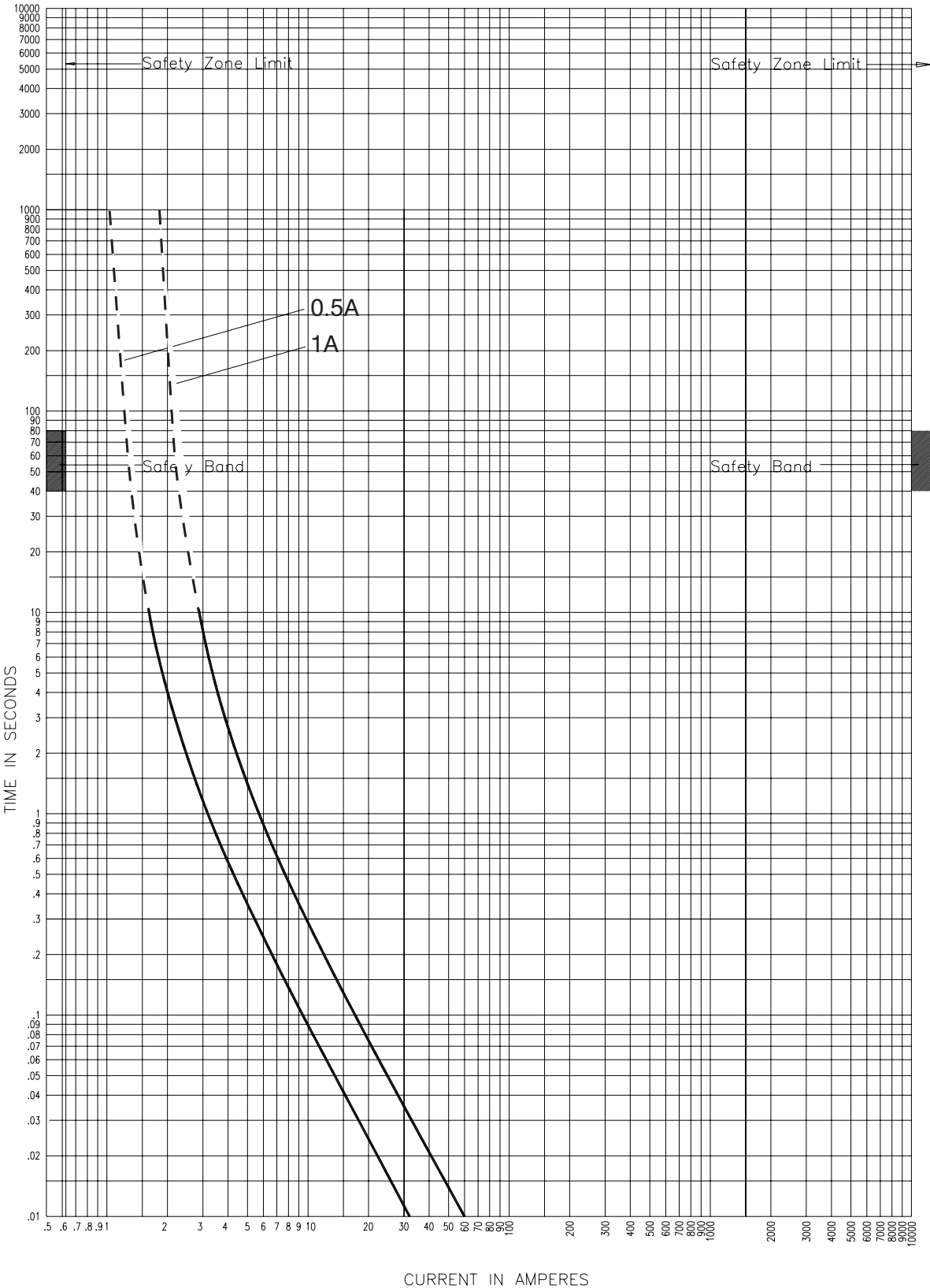
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

25.5 kV time-current curves — minimum melting for 25CLPT_

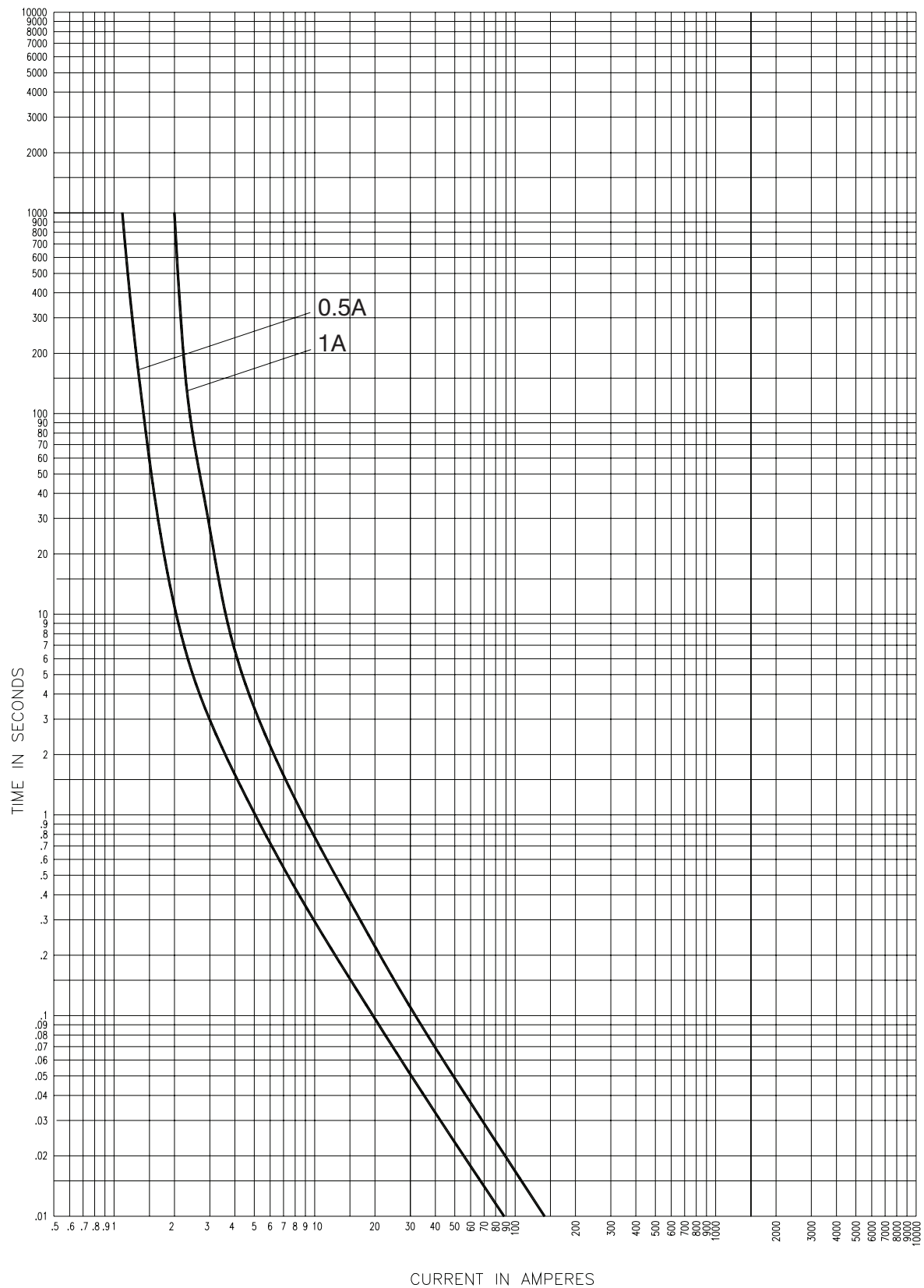


25CLPT_

0.5, and 1 A fuse melt times in the dotted line region may not be assured due to manufacturing variations. The dotted lines show nominal operation. Some individual fuses may not open until current at 10-second mark is applied.

Curve TC56353208
December 2008

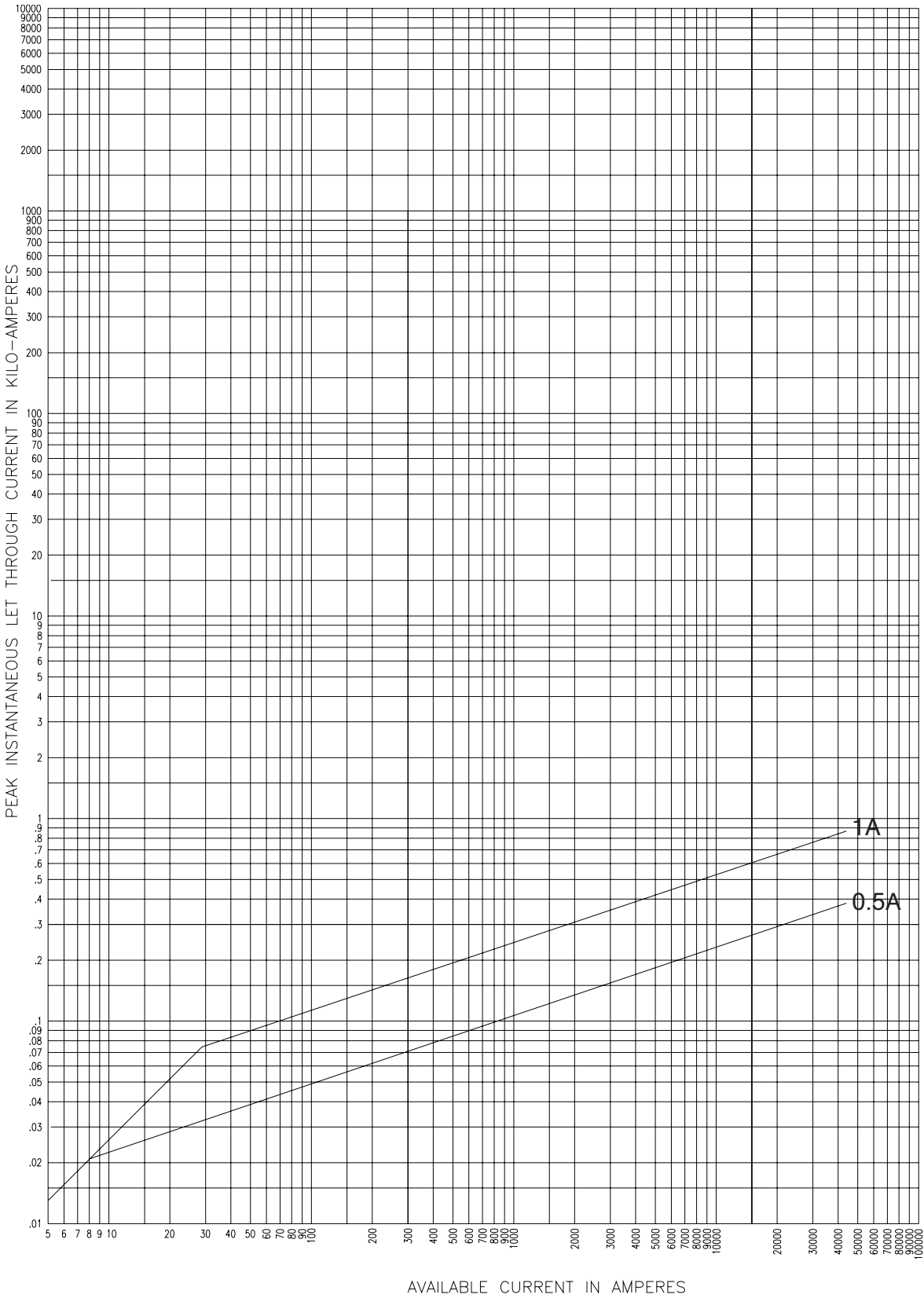
25.5 kV time-current curves — total clearing for 25CLPT_



25CLPT_

Curve TC56353308
December 2008

25.5 kV Peak let-through curves for 25CLPT_



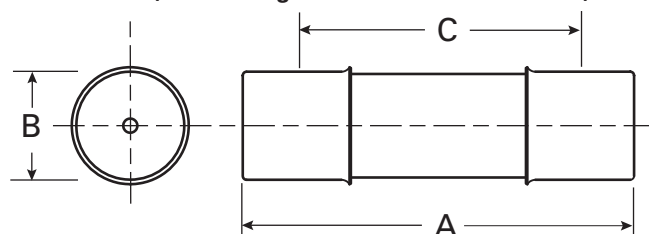
25CLPT_

Curve TC63933901
December 2008

36 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (Interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
2	17.3 (439)	1.6 (41)	16.1 (410)	—	36CAV2 (40)	1A0835
4				—	36CAV4 (40)	

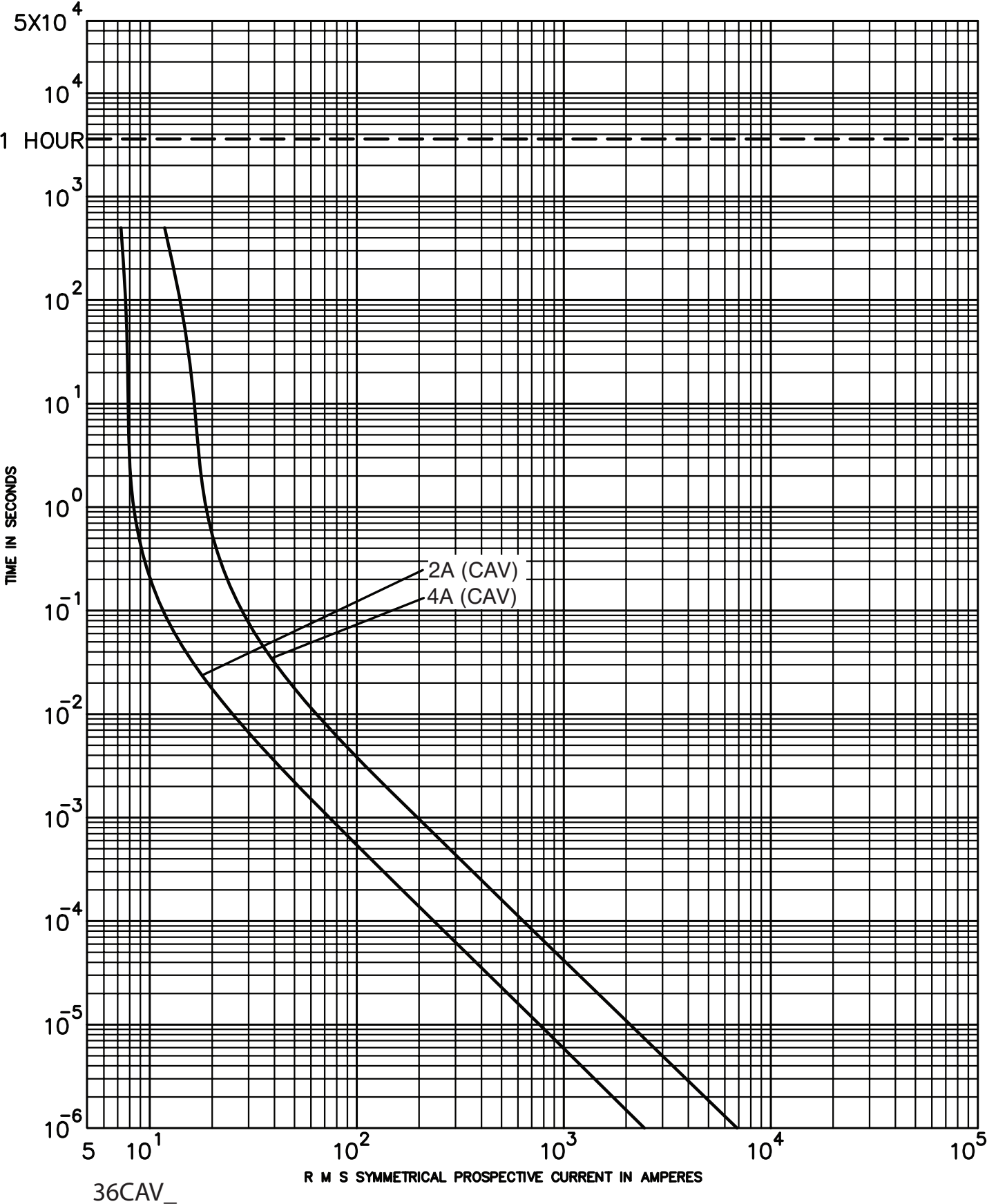
Dimensions (see catalog number tables for values)



Recommended fuseclips:

Description	Cat. No.
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

36 kVTime-current curves — minimum melting for 36CAV_



38 kV maximum system voltage

Amp rating	Dimensions - in (mm)			Catalog No. (interrupting rating - kA)		Recommended fuseclip
	Length A	Diameter B	Clip centers C	Indicating	Non-indicating	
0.5	17.3 (439)	1.6 (41)	16.1 (409)	38CAVH0.5E (40)	—	1A0835
0.5	18.6 (472)	1.6 (41)	17.1 (434)	38CLPT-0.5 (43.5) [†]	—	
1	17.3 (439)	1.6 (41)	16.1 (409)	38CAVH1E (40)	—	
2	17.3 (439)	1.6 (41)	16.1 (409)	38CAVH2E (40)	—	
4	17.3 (439)	1.6 (41)	16.1 (409)	—	38CAV4E (40)	

[†] Does not comply with ANSI C37.46 for “E” rating.

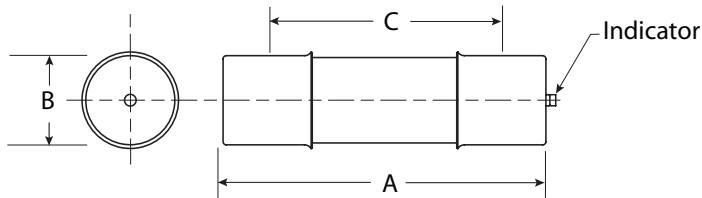
CLPT Type Mountings and Hardware 38 kV Maximum (34.5 kV Nominal)

Amp rating	Fuse mounting type	Catalog number			
		Mounting (including Live Parts, End Fittings)*		Live Parts (including end fittings)*	End fittings (disconnect only)
		Porcelain insulator	Glass-polyester insulator		
0.5	Disconnect [†]	Not applicable	Not applicable	CLPT-NL	CLPT-DF
	Non-disconnect	38CLPT-PNM-A	Not applicable	CLPT-DL	—

* 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.

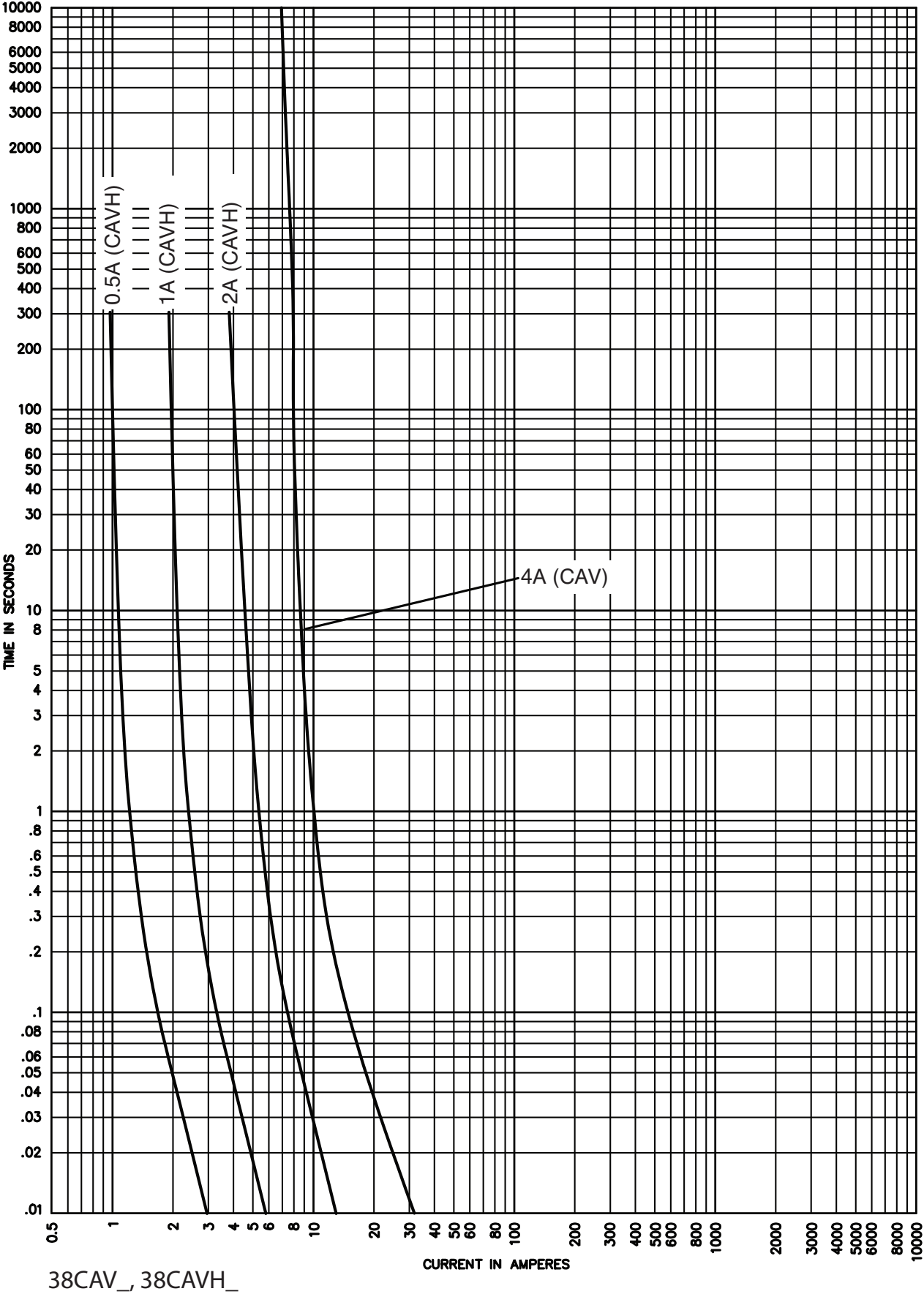
Dimensions (see catalog number tables for values)



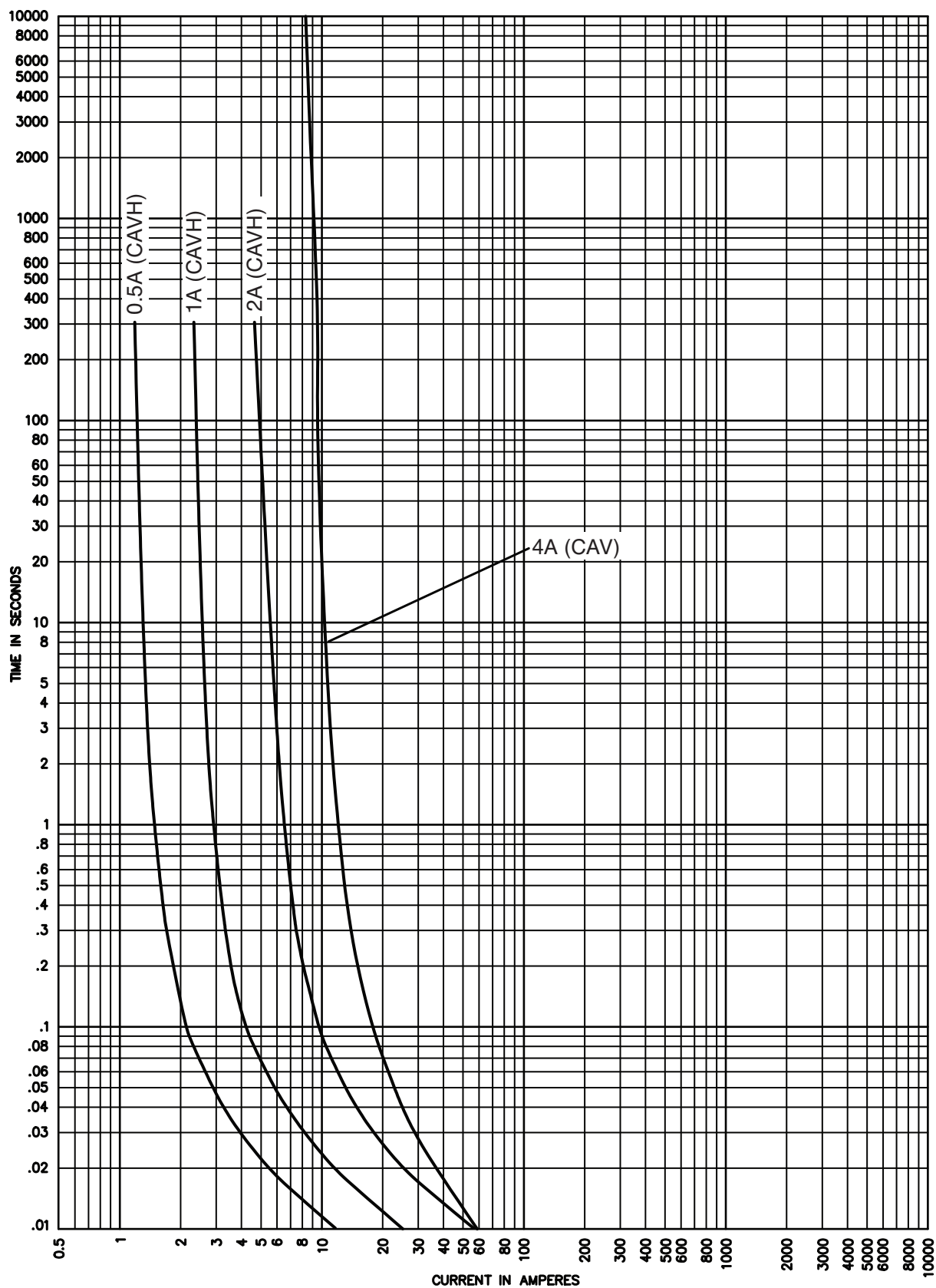
Recommended fuseclip:

Description	Cat. No.
Open fuseclip for 1.56 (39.7 mm) / 1.6 (40.6 mm) dia. fuses	1A0835

38 kV time-current curves — minimum melting for 38CAV_ and 38CAVH

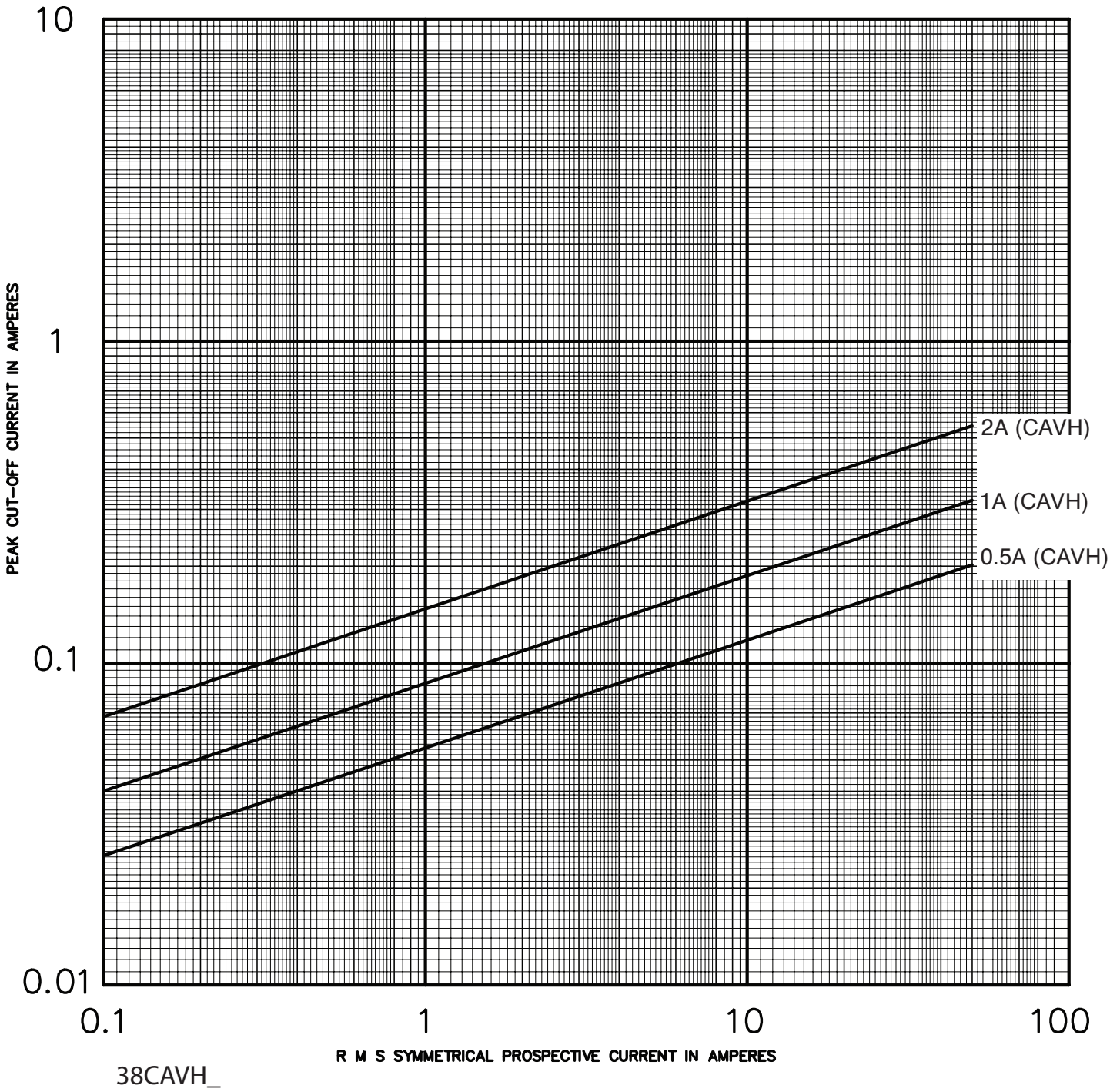


38 kV time-current curves — total clearing for 38CAV_ and 38CAVH

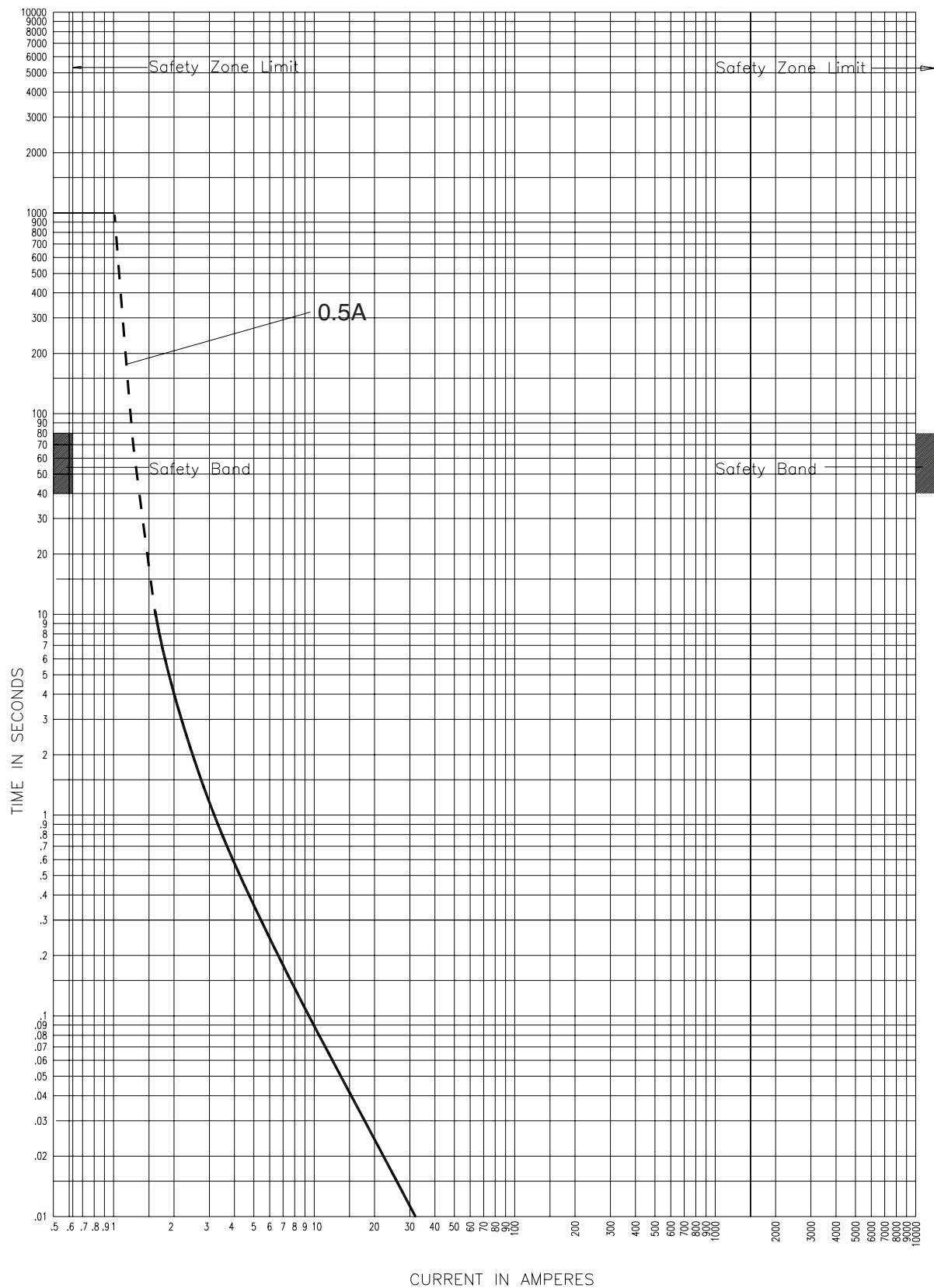


38CAV_, 38CAVH_

38 kV peak let-through curves for 38CAVH



38 kV time-current curves — minimum melting for 38CLPT_

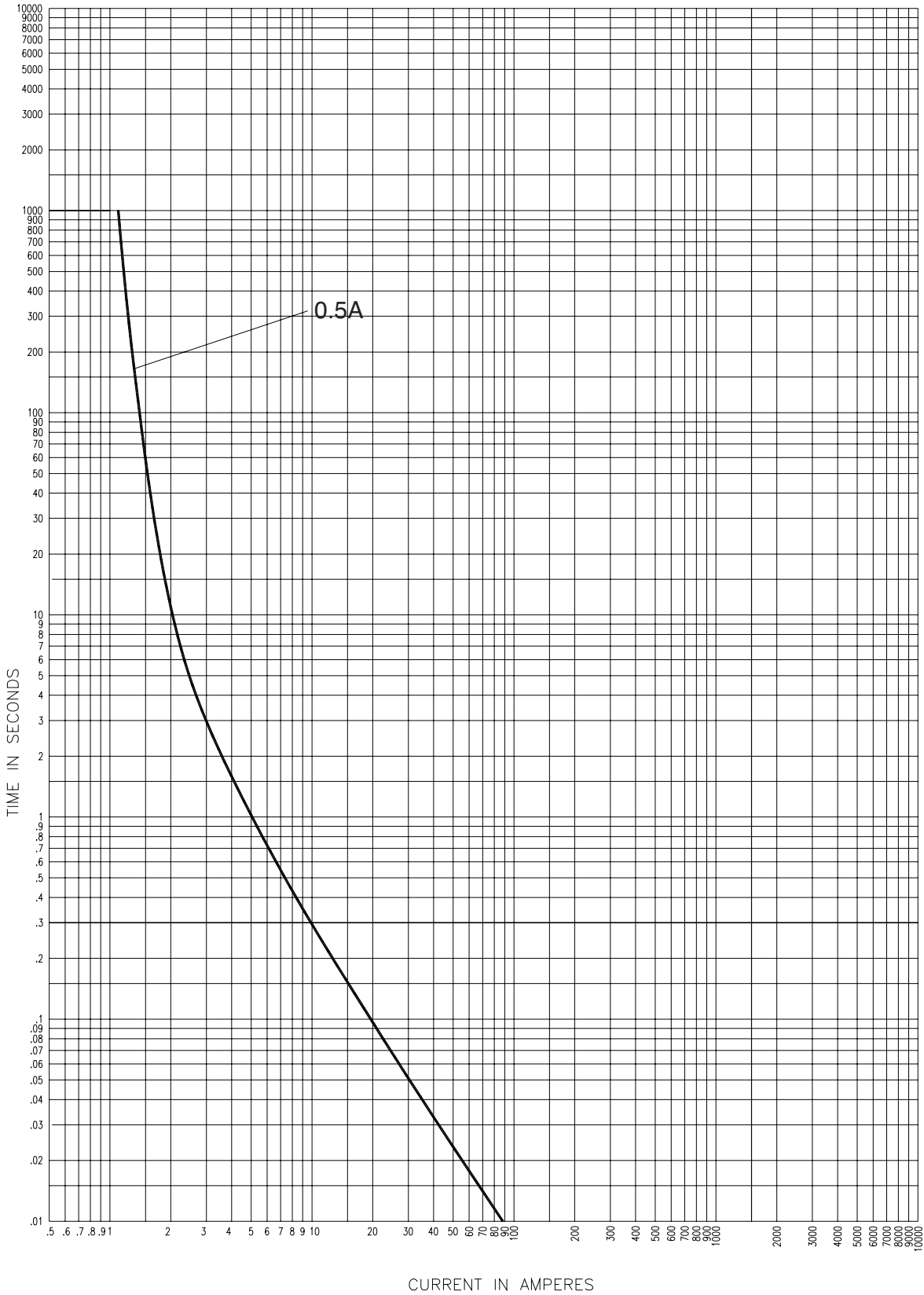


38CLPT_

0.5 A fuse melt times in the dotted line region
may not be assured due to manufacturing variations.
The dotted lines show nominal operation. Some individual
fuses may not open until current at 10-second mark is applied.

Curve TC56353208
December 2008

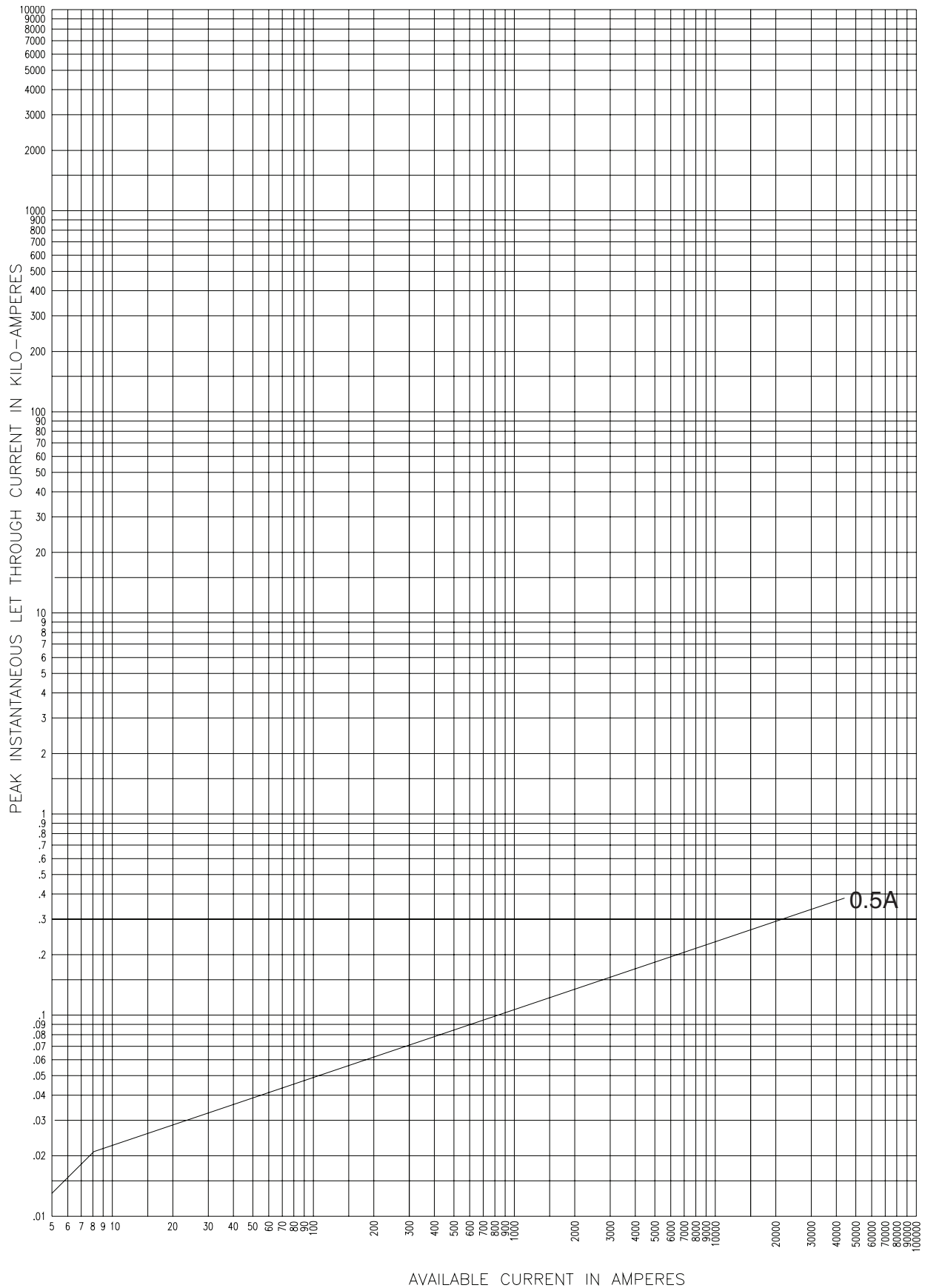
38 kV time-current curves — total clearing for 38CLPT_



38CLPT_

Curve TC56353308
December 2008

38 kV peak let-through curves for 38CLPT_

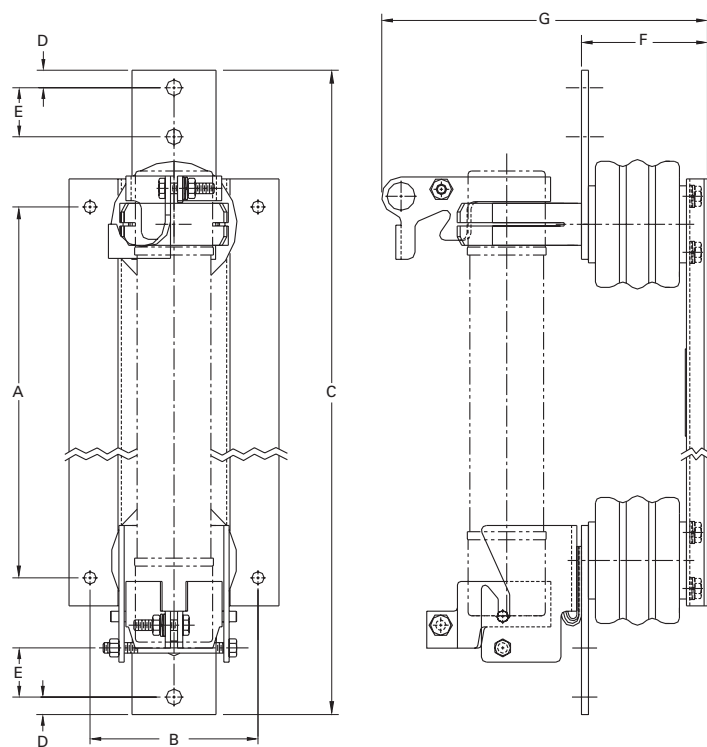


PT fuse mountings - in (mm)

Catalog number	Hole centers A	Hole centers B	Overall length C	Hole Inset D	Hole centers E	Contact height F	Overall height G	BIL kV
5.5kV Disconnect†								
5CLPT-GDM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	4.5 (114.3)	9.56 (242.8)	60
5CLPT-PDM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	4.5 (114.3)	9.56 (242.8)	60
5.5kV Non-disconnect								
5CLPT-GNM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	4.5 (114.3)	6.94 (176.2)	60
5CLPT-PNM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	4.5 (114.3)	6.94 (176.2)	60
8.3kV Disconnect†								
8CLPT-GDM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	75
8CLPT-GDM-B	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	75
8CLPT-PDM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	75
8CLPT-PDM-B	12.74 (323.6)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	75
8.3kV Non-disconnect								
8CLPT-GNM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	75
8CLPT-PNM-A	9.37 (238)	6 (152.4)	18.63 (473.2)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	75
8CLPT-GNM-B	12.75 (323.8)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	75
8CLPT-PNM-B	12.75 (323.8)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	75
15.5kV Disconnect†								
15CLPT-GDM-A	12.74 (323.6)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	95
15CLPT-PDM-A	12.74 (323.6)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	95
15CLPT-GDM-B	17.46 (443.5)	6 (152.4)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	95
15CLPT-PDM-B	17.46 (443.5)	6 (152.4)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	7 (177.8)	12.06 (306.3)	95
15.5kV Non-disconnect								
15CLPT-GNM-A	12.74 (323.6)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	95
15CLPT-PNM-A	12.74 (323.6)	6 (152.4)	22 (558.8)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	95
15CLPT-GNM-B	17.46 (443.5)	6 (152.4)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	95
15CLPT-PNM-B	17.46 (443.5)	6 (152.4)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	7 (177.8)	9.44 (239.8)	95
25.5kV Disconnect†								
25CLPT-PDM-A	19.12 (485.6)	7 (177.8)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	12 (304.8)	17.06 (433.3)	150
25.5kV Non-disconnect								
25CLPT-PNM-A	26.63 (676.4)	7 (177.8)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	12 (304.8)	14.75 (374.6)	150
38kV Non-disconnect								
38CLPT-PNM-A	19.12 (485.6)	7 (177.8)	26.63 (676.4)	0.75 (19)	1.75 (44.4)	12 (304.8)	14.75 (374.6)	150

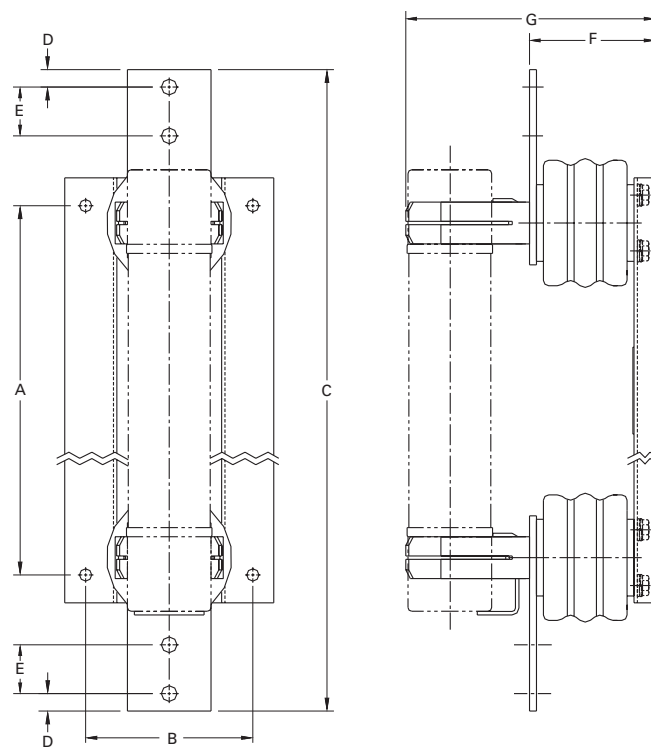
† Disconnect mountings provide a means for fuse extraction only. Do not use a disconnect mounting for load switching or fuse removal while energized.

Disconnect mountings†



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

Non-disconnect mountings



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