

# MEDIUM VOLTAGE CAPACITOR FUSES/A100C-A550C



## MEDIUM VOLTAGE CAPACITOR FUSES

Ferraz Shawmut capacitor fuses are designed to ANSI C37-41. They are current limiting operating without noise or discharge and are designed to be used indoors in a general purpose enclosure or outdoors in a weatherproof enclosure. These are non-disconnecting fuses requiring the use of a disconnect switch. These capacitor fuses provide both short circuit and overload protection and are intended to protect against capacitor case rupture or dielectric failure within the capacitor.

The various mounting configurations offer manufacturers a wide range of cost and space saving solutions and a large choice of equivalent products to users.

**E**

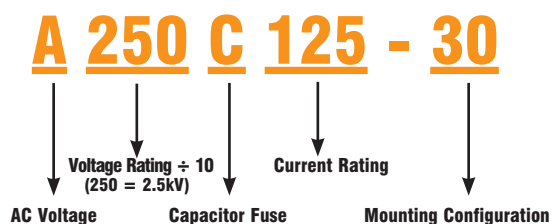
## APPLICATIONS:

- Capacitor Protection
- Power Factor Correction Equipment
- Harmonic Filtering Equipment
- Induction Heating System
- High Power Drive
- Welders

## Features/Benefits

- High interrupting capacity
- Current limitation
- Blown fuse indication
- Direct mount
- Clip style mount
- Bus mount
- Non-venting for silent operation

## Catalog Numbering System



## Ratings

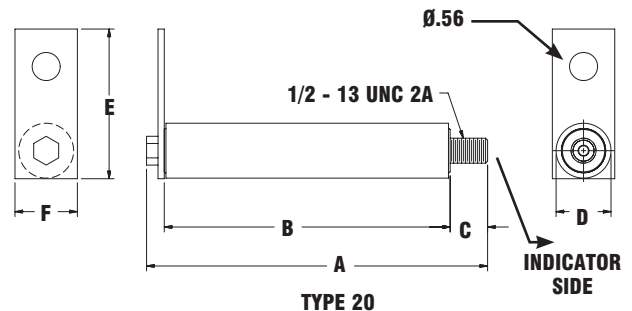
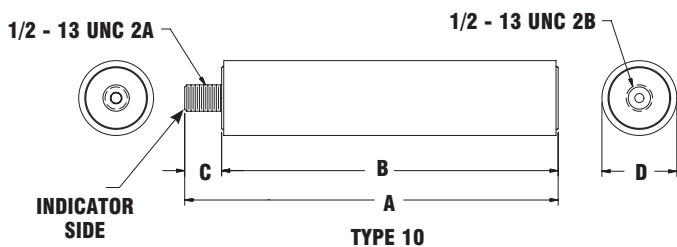
- **A100C**  
**AC:** 25 to 125 Amps, 1000 V Maximum, 50 kA I.R. Sym.
- **A150C**  
**AC:** 25 to 200 Amps, 1500 V Maximum, 40 kA I.R. Sym.
- **A250C**  
**AC:** 25 to 200 Amps, 2500 V Maximum, 50 kA I.R. Sym.
- **A300C**  
**AC:** 50 to 175 Amps, 3000 V Maximum, 50 kA I.R. Sym.
- **A430C**  
**AC:** 6 to 100 Amps, 4300 V Maximum, 65 kA I.R. Sym.
- **A550C**  
**AC:** 6 to 50 Amps, 5500 V Maximum, 65 kA I.R. Sym.

# MEDIUM VOLTAGE CAPACITOR FUSES/A100C-A150

## 1.0 kV - 1.5 kV

### Catalog Numbers, Ampere Ratings, Dimensions

Part Number	Ampere Rating	Melting I <sub>t</sub> (kA·s)	Maximum Clearing I <sub>t</sub> (kA·s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length Inches (mm)	Tube Length Inches (mm)	Indicator Housing Inches (mm)	Body Dia Inches (mm)	Bracket Dimensions Inches (mm)	
<b>1.5 kV Max Type 10</b> inner thread to screw					A	B	C	D	E	F
A150C25-10	25	4	12	40 kA @1500V RMS Sym	7.08 (179.8)	6.38 (162.1)	.70 (17.8)	1.42 (36.0)		
A150C50-10	50	16	50							
A150C60-10	60	25	70							
A150C75-10	75	35	110							
A150C90-10	90	50	150							
A150C100-10	100	65	200							
A150C110-10	110	80	250							
A150C120-10	120	100	310							
A150C125-10	125	125	330							
A150C130-10	130	125	330							
A150C135-10	135	130	350							
A150C140-10	140	130	350							
A150C150-10	150	150	390							
A150C160-10	160	185	480							
A150C165-10	165	185	480							
A150C175-10	175	225	600							
A150C200-10	200	300	800							
<b>1.5 kV Max Type 20</b> screw to bolt (flat bracket)										
A150C25-20	25	3.2	6.5	40 kA @1500V RMS Sym	6.84 (173.6)	5.73 (145.5)	1.42 (36.0)	1.10 (27.9)	3.00 (76.2)	1.25 (31.8)
A150C50-20	50	13	27							
A150C60-20	60	18	38							
A150C75-20	75	30	60							
A150C90-20	90	35	72							
A150C100-20	100	52	105							
A150C110-20	110	58	120							
A150C120-20	120	73	150							
A150C125-20	125	82	165							
A150C130-20	130	90	190							
A150C135-20	135	90	190							
A150C140-20	140	105	220							
A150C150-20	150	120	240							
A150C160-20	160	185	480		7.48 (189.9)	6.37 (161.8)	.75 (19.1)	1.42 (36.0)	3.00 (76.2)	1.25 (31.8)
A150C165-20	165	185	480							
A150C175-20	175	225	600							
A150C200-20	200	300	800							

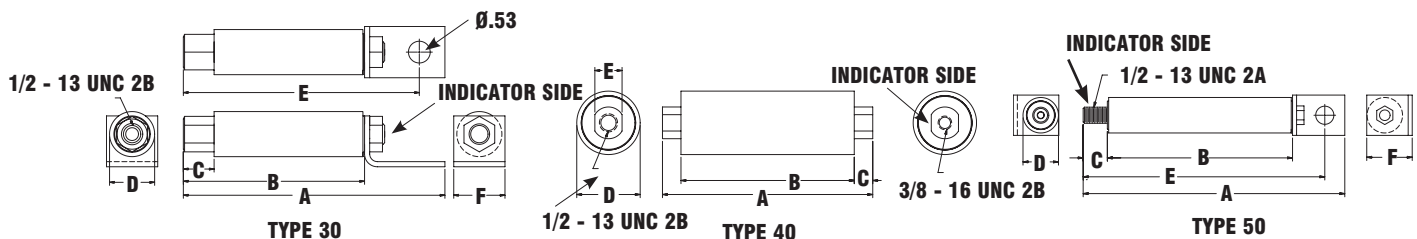


# MEDIUM VOLTAGE CAPACITOR FUSES/A100C-A150C

## 1.0 kV - 1.5 kV

### Catalog Numbers, Ampere Ratings, Dimensions

Part Number	Ampere Rating	Melting I <sup>t</sup> (kA·s)	Maximum Clearing I <sup>t</sup> (kA·s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length Inches (mm)	Tube Length Inches (mm)	Indicator Housing Inches (mm)	Body Dia Inches (mm)	Bracket Dimensions Inches (mm)								
<b>1.0 kV Max Type 30</b> external female to bolt (L bracket)					A	B	C	D	E	F							
A100C25-30	25	4	10	50 kA @1000V RMS Sym	6.38 (162.1)	4.42 (112.3)	.75 (19.1)	1.10 (27.9)	5.76 (146.2)	1.25 (31.8)							
A100C50-30	50	16	40														
A100C60-30	60	25	60														
A100C75-30	75	35	95														
A100C90-30	90	50	130														
A100C100-30	100	65	165														
A100C110-30	110	80	205														
A100C125-30	125	100	250														
<b>1.5 kV Max Type 40</b> external female to external female																	
A150C100-40	100	125	140	40 kA @1500V RMS Sym	6.84 (173.6)	4.78 (121.4)	.51 (13.0)	1.75 (27.9)	.75 (19.1)								
A150C110-40	110	125	180														
A150C125-40	125	130	230														
A150C130-40	130	130	230														
A150C140-40	140	150	285														
A150C150-40	150	185	315														
A150C160-40	160	185	360														
A150C175-40	175	225	410														
A150C200-40	200	300	560														
<b>1.5 kV Max Type 50</b> screw to bolt (L bracket)																	
A150C25-50	25	3.2	6.5	40 kA @1500V RMS Sym	8.11 (206.0)	5.74 (145.8)	.75 (19.1)	1.10 (27.9)	7.49 (190.2)	1.41 (35.8)							
A150C50-50	50	13	27														
A150C60-50	60	18	38														
A150C75-50	75	30	60														
A150C90-50	90	35	72														
A150C100-50	100	52	105														
A150C110-50	110	58	120														
A150C120-50	120	73	150														
A150C125-50	125	82	165														
A150C130-50	130	90	190														
A150C135-50	135	90	190														
A150C140-50	140	105	220														
A150C150-50	150	120	240														
A150C160-50	160	185	480									8.71 (221.1)	6.51 (165.2)	.70 (17.8)	1.42 (36.0)	8.08 (205.2)	1.25 (31.8)
A150C165-50	165	185	480														
A150C175-50	175	225	600														
A150C200-50	200	300	800														



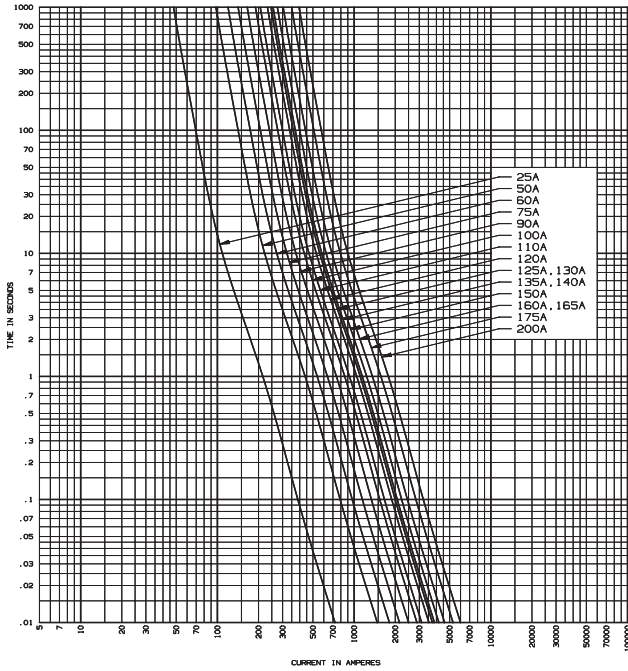
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# MEDIUM VOLTAGE CAPACITOR FUSES/A100C-A150

## 1.0 kV - 1.5 kV

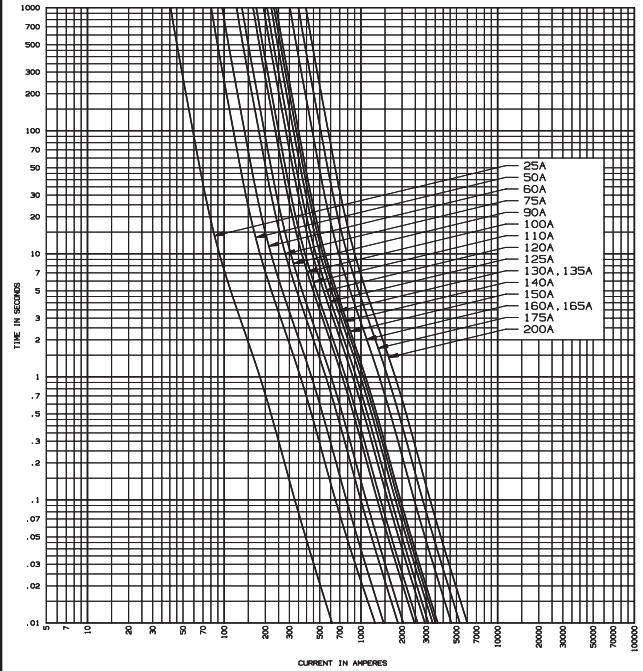
**Total Clearing Time-Current Data 1.5kV Type 10**

A150C (Amp Rating) - Type 10



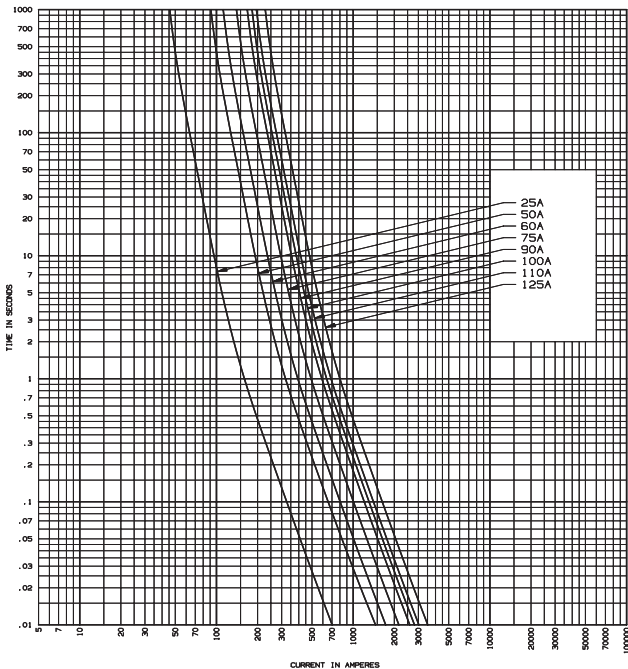
**Total Clearing Time-Current Data 1.5kV Type 20 & 50**

A150C (Amp Rating) - Type 20 & 50



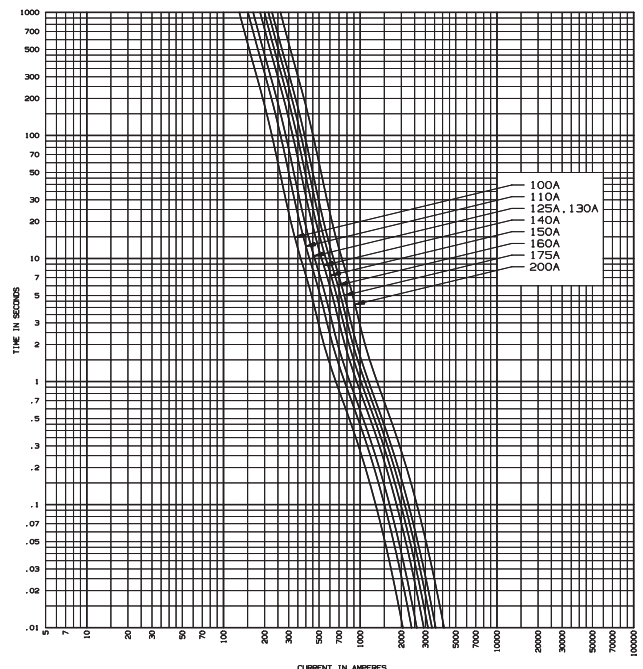
**Total Clearing Time-Current Data 1.0kV Type 30**

A100C (Amp Rating) - Type 30



**Total Clearing Time-Current Data 1.5kV Type 40**

A150C (Amp Rating) - Type 40

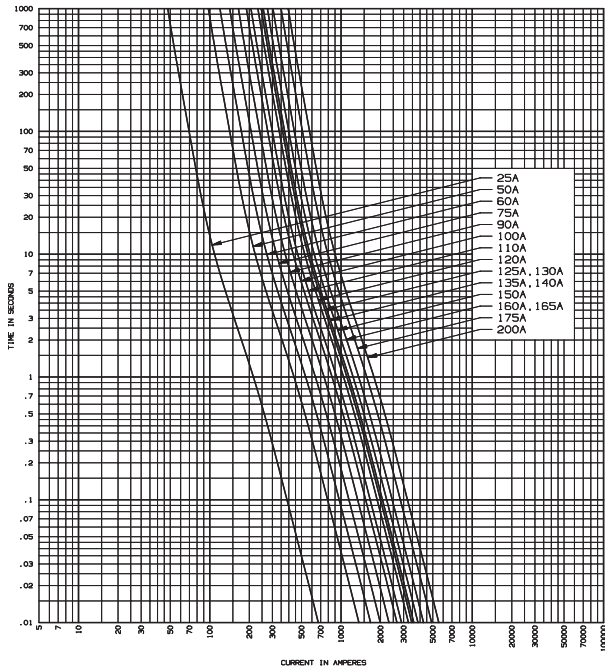


# MEDIUM VOLTAGE CAPACITOR FUSES/A100C-A150

## 1.0 kV - 1.5 kV

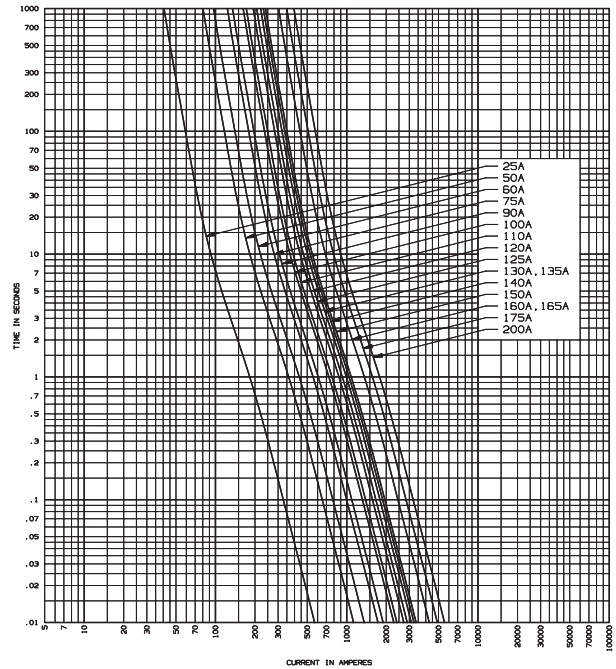
Minimum Melting Time-Current Data 1.5kV Type 10

A150C (Amp Rating) - Type 10



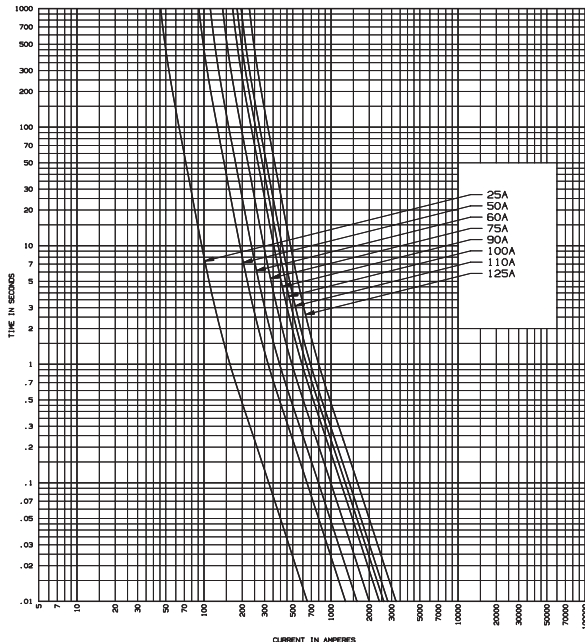
Minimum Melting Time-Current Data 1.5kV Type 20 & 50

A150C (Amp Rating) - Type 20 & 50



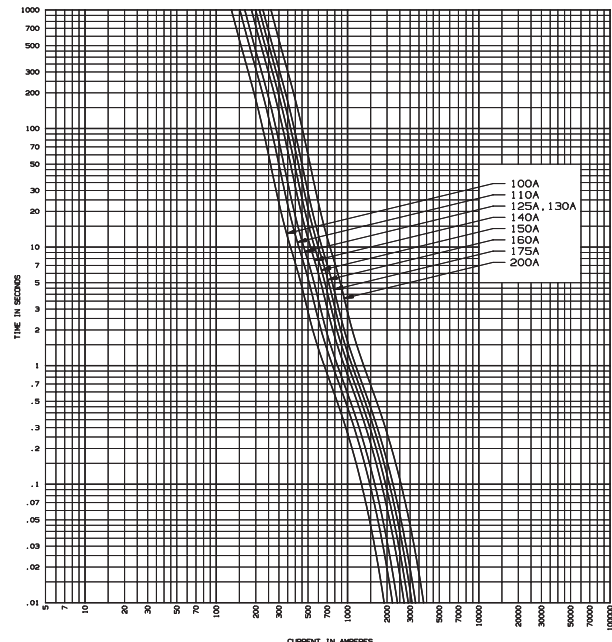
Minimum Melting Time-Current Data 1.0kV Type 30

A100C (Amp Rating) - Type 30



Minimum Melting Time-Current Data 1.5kV Type 40

A100C (Amp Rating) - Type 40



# MEDIUM VOLTAGE CAPACITOR FUSES/A100C-A150

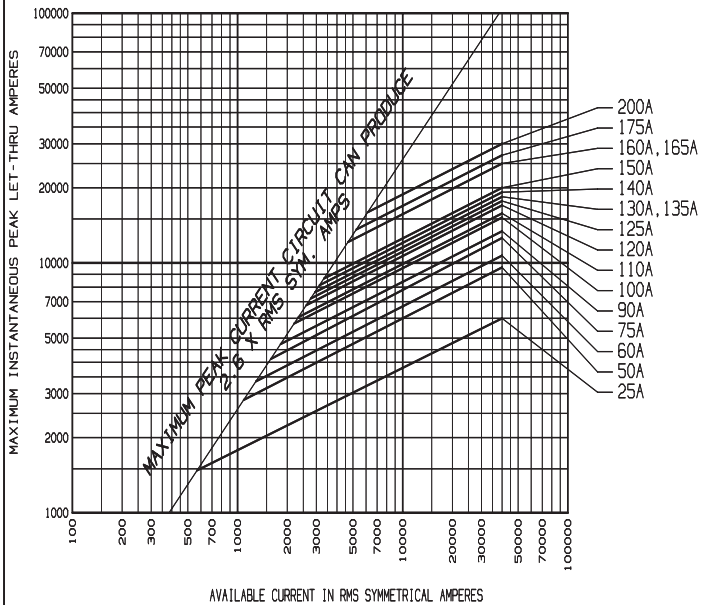
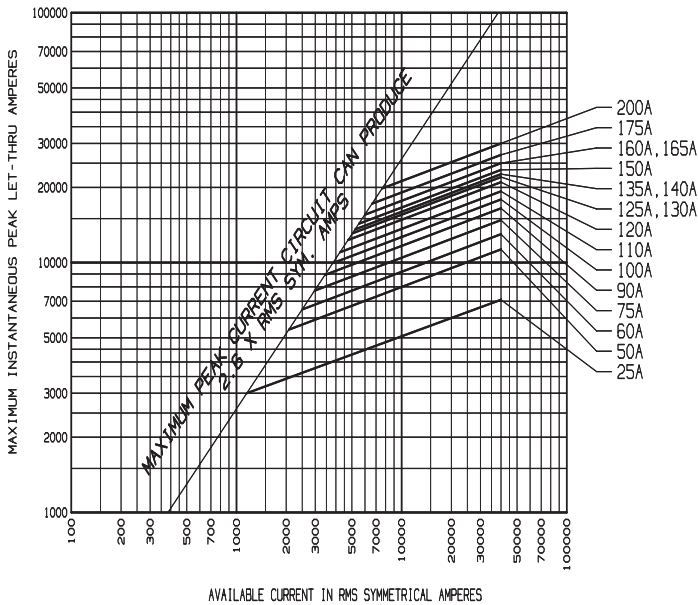
## 1.0 kV - 1.5 kV

**Peak Let-Thru Current Data 1.5kV Type 10**

**Peak Let-Thru Current Data 1.5kV Type 20 & 50**

A150C (Amp Rating) - Type 10

A150C (Amp Rating) - Type 20 & 50

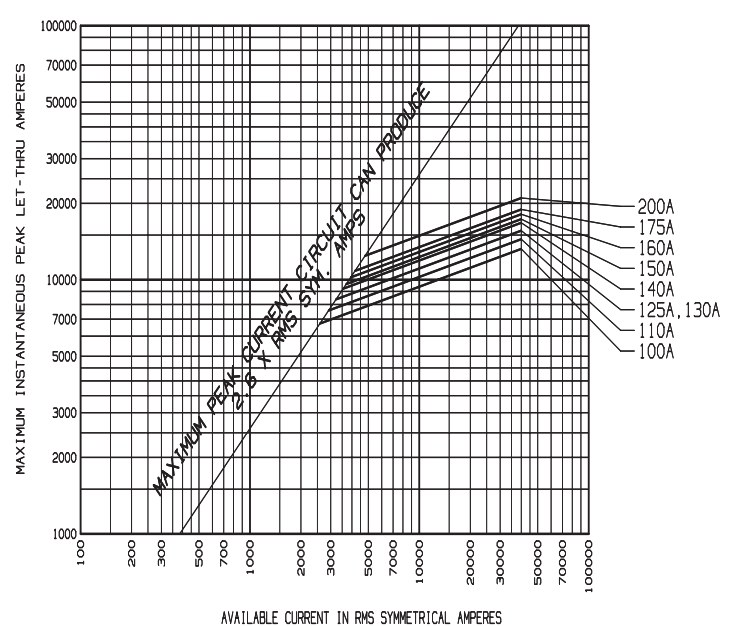
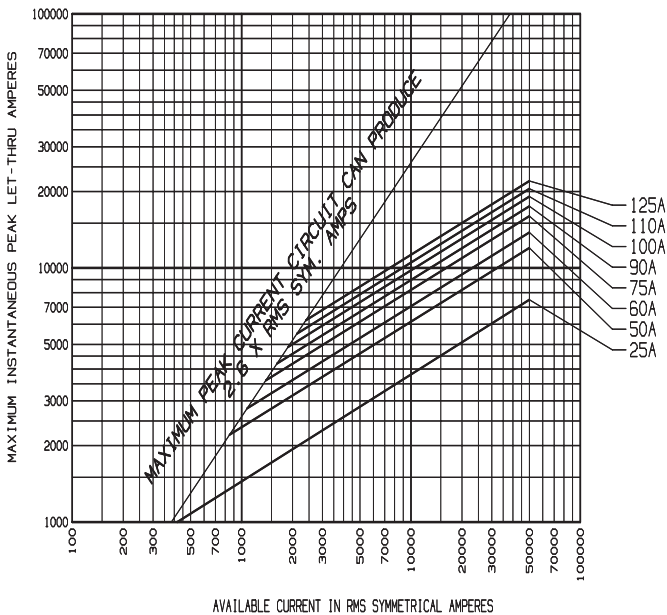


**Peak Let-Thru Current Data 1.0kV Type 30**

**Peak Let-Thru Current Data 1.5kV Type 40**

A100C (Amp Rating) - Type 30

A150C (Amp Rating) - Type 40

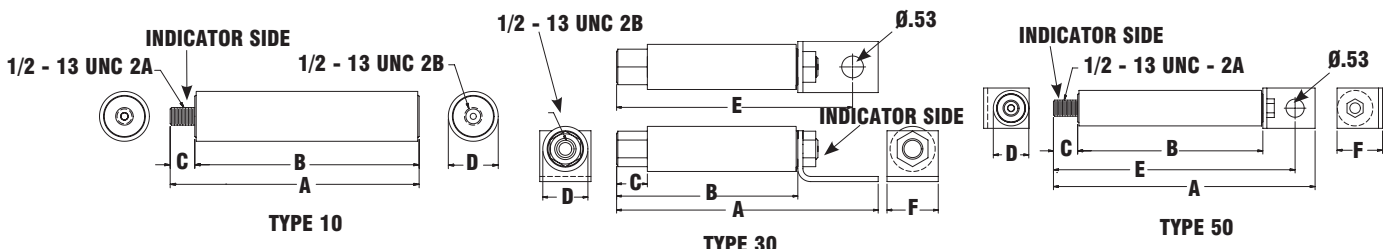


# MEDIUM VOLTAGE CAPACITOR FUSES/250C

## 2.5 kV

### Catalog Numbers, Ampere Ratings, Dimensions

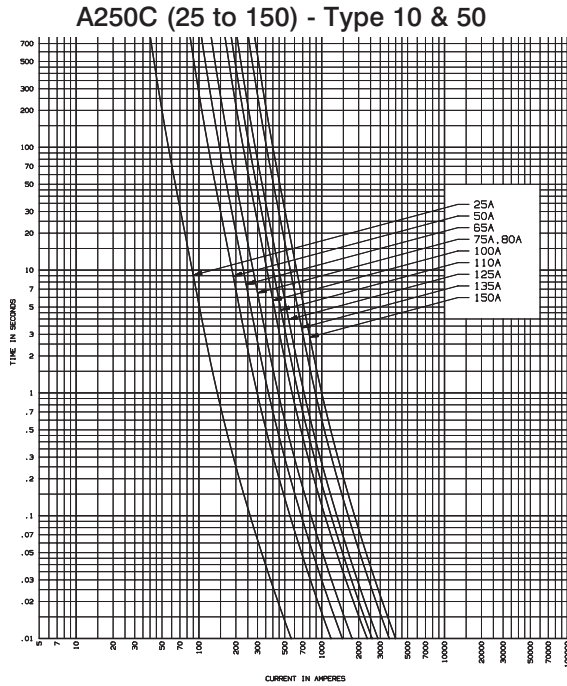
Part Number	Ampere Rating	Melting I <sub>t</sub> (kA·s)	Maximum Clearing I <sub>t</sub> (kA·s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length Inches (mm)	Tube Length Inches (mm)	Indicator Housing Inches (mm)	Body Dia Inches (mm)	Bracket Dimensions Inches (mm)	
					A	B	C	D	E	F
<b>2.5 kV Max Type 10</b> inner thread to screw										
A250C25-10	25	3	9	50 kA @2500V RMS Sym	7.67 (194.8)	6.92 (175.8)	.75 (19.1)	1.42 (36.0)		
A250C50-10	50	12	35							
A250C65-10	65	18	60							
A250C75-10	75	25	85							
A250C80-10	80	25	85							
A250C100-10	100	45	150							
A250C110-10	110	60	190							
A250C125-10	125	75	240							
A250C135-10	135	115	395							
A250C150-10	150	130	460							
A200C165-10*	165	150	350	40 kA @2000V RMS Sym	7.67 (194.8)	6.92 (175.8)	.75 (19.1)	1.42 (36.0)		
A200C175-10*	175	165	440							
A200C200-10*	200	225	500							
<b>2.5 kV Max Type 30</b> external female to bolt (L bracket)										
A250C25-30	25	3	9	50 kA @2500V RMS Sym	9.41 (239.0)	6.66 (169.2)	.75 (19.1)	1.10 (27.9)	8.79 (223.2)	1.25 (31.8)
A250C50-30	50	12	35							
A250C65-30	65	18	60							
A250C75-30	75	25	85							
A250C80-30	80	25	85							
A250C100-30	100	45	150							
A250C110-30	110	60	190							
A250C125-30	125	75	240							
<b>2.5 kV Max Type 50</b> screw to bolt (L bracket)										
A250C25-50	25	3	9	50 kA @2500V RMS Sym	9.11 (231.4)	6.74 (171.2)	.75 (19.1)	1.10 (27.9)	8.49 (215.6)	1.25 (31.8)
A250C50-50	50	12	35							
A250C65-50	65	18	60							
A250C75-50	75	25	85							
A250C80-50	80	25	85							
A250C100-50	100	45	150							
A250C110-50	110	60	190							
A250C125-50	125	75	240							
A250C135-50	135	115	395							
A250C150-50	150	130	460							
A200C165-50*	165	150	350	40 kA @2000V RMS Sym	9.29 (236.0)	6.92 (175.8)	.75 (19.1)	1.42 (36.0)	8.67 (220.2)	1.25 (31.8)
A200C175-50*	175	165	440							
A200C200-50*	200	225	500							



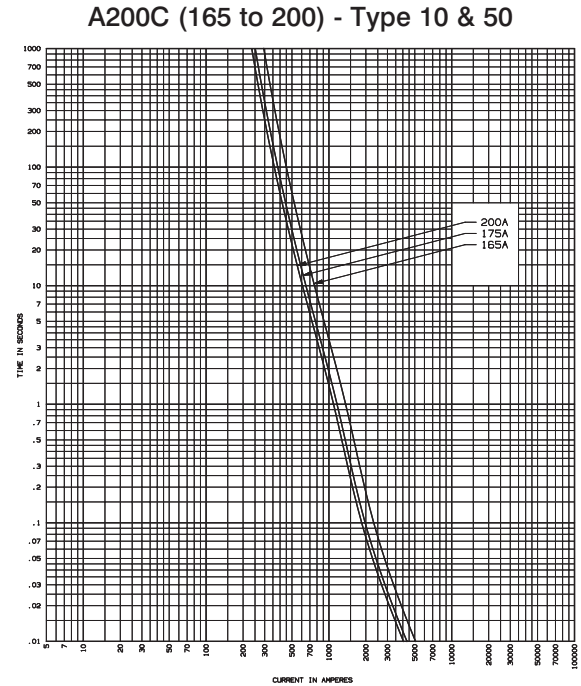
# MEDIUM VOLTAGE CAPACITOR FUSES/A250C

## 2.5 kV

**Total Clearing Time-Current Data 2.5kV Type 10 & 50**

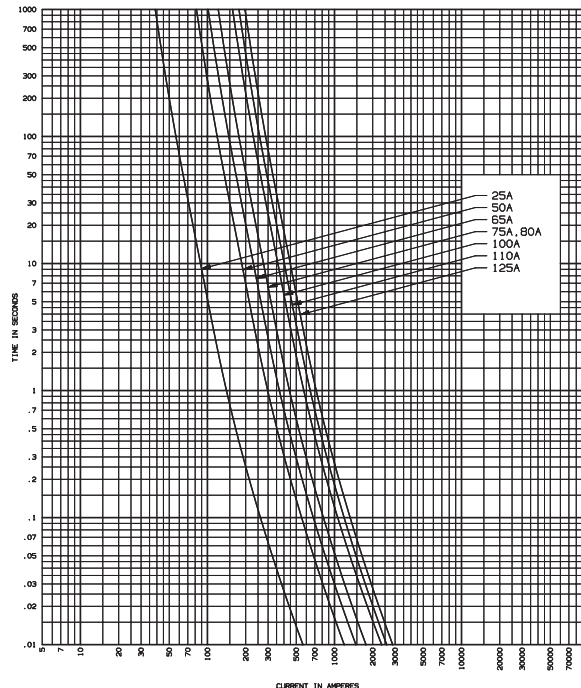


**Total Clearing Time-Current Data 2.0kV Type 10 & 50**



**Total Clearing Time-Current Data 2.5kV Type 30**

A250C (25 to 125) - Type 30

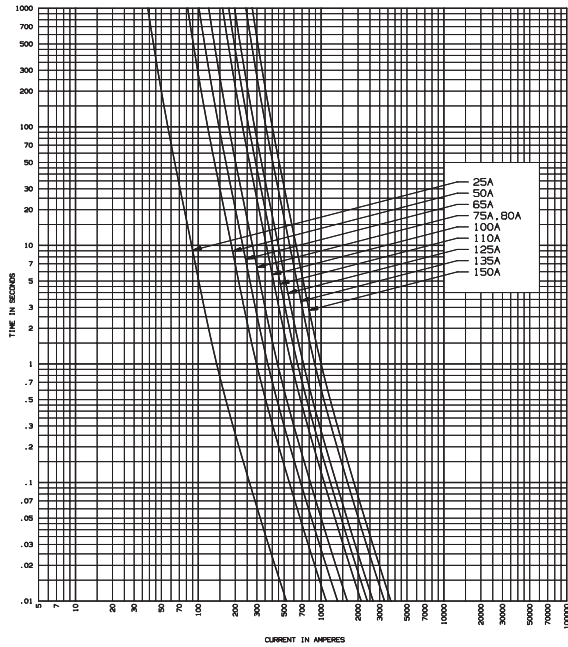


# MEDIUM VOLTAGE CAPACITOR FUSES/A250C

## 2.5 kV

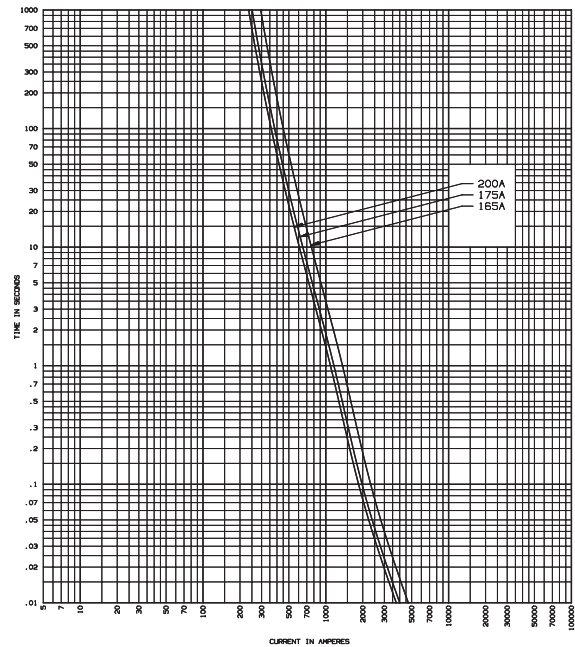
**Minimum Melting Time-Current Data 2.5kV Type 10 & 50**

A250C (25 to 150) - Type 10 & 50



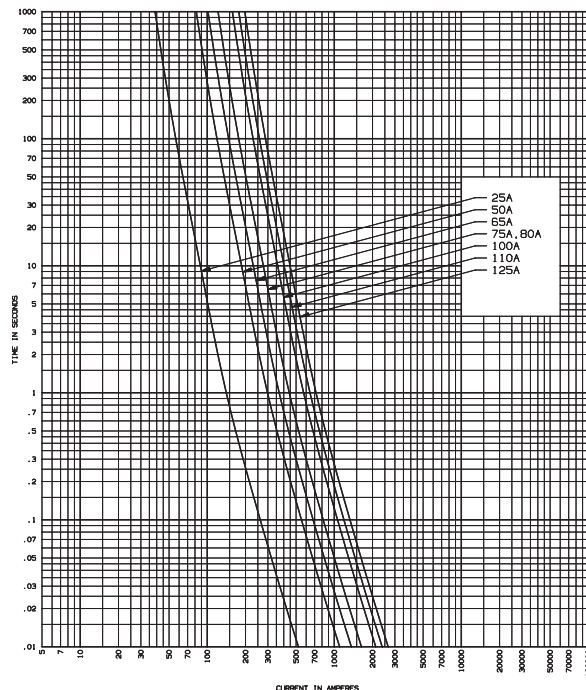
**Minimum Melting Time-Current Data 2.0kV Type 10 & 50**

A250C (165 to 200) - Type 10 & 50



**Minimum Melting Time-Current Data 2.5kV Type 30**

A250C (25 to 125) - Type 30

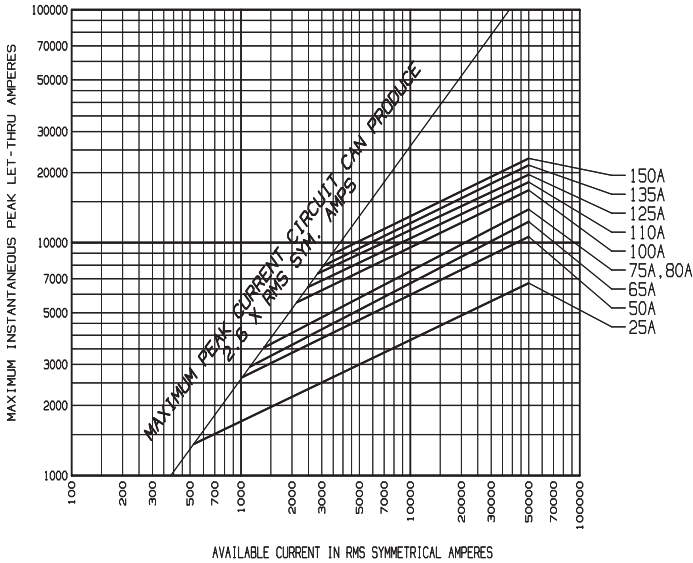


# MEDIUM VOLTAGE CAPACITOR FUSES/A250C

## 2.5 kV

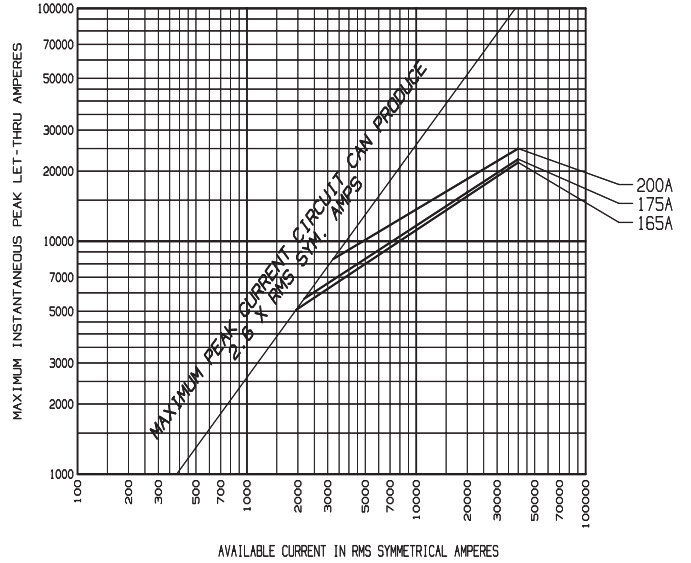
Peak Let-Thru Current Data 2.5kV Type 10 & 50

A250C (25 to 150) - Type 10 & 50



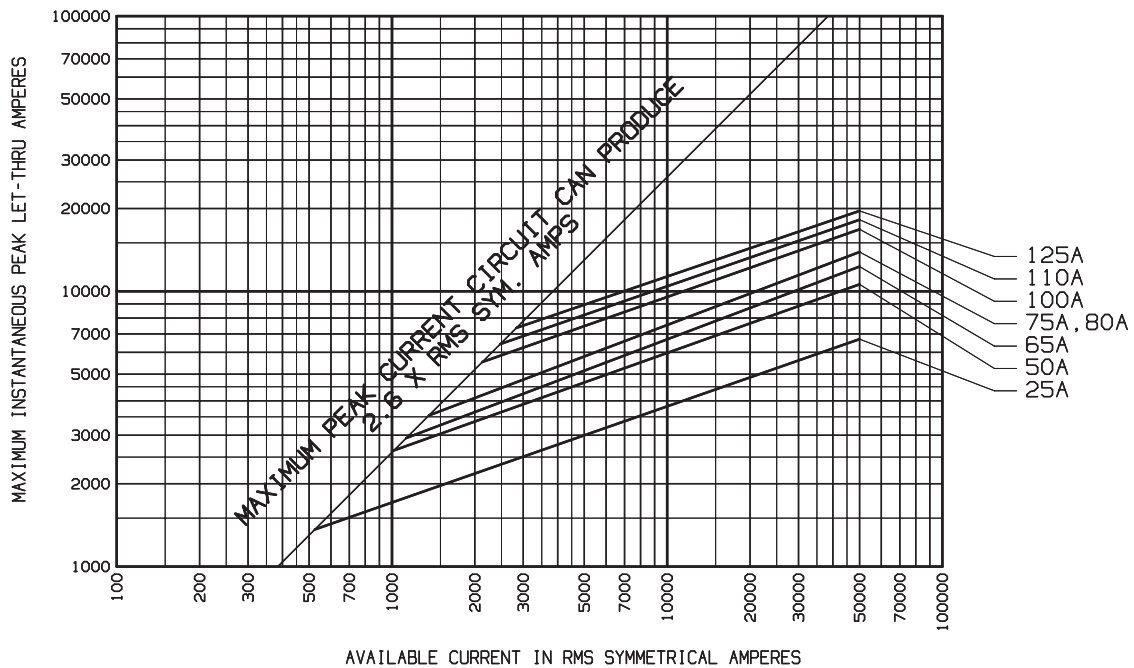
Peak Let-Thru Current Data 2.0kV Type 10 & 50

A200C (165 to 200) - Type 10 & 50



Peak Let-Thru Current Data 2.5kV Type 30

A250C (25 to 125) - Type 30

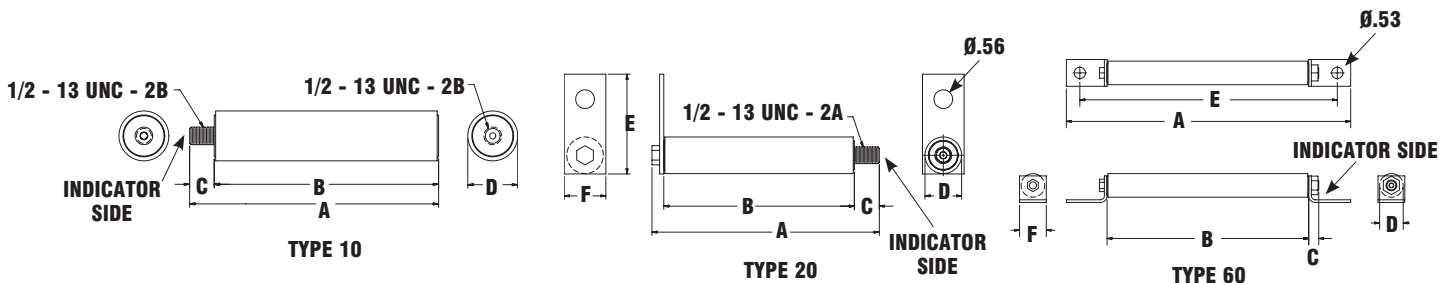


# MEDIUM VOLTAGE CAPACITOR FUSES/A300C

## 3.0 kV

### Catalog Numbers, Ampere Ratings, Dimensions

Part Number	Ampere Rating	Melting I-t (kA²s)	Maximum Clearing I-t (kA²s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length	Tube Length	Indicator Housing	Body Dia	Bracket Dimensions	
					Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
<b>3.0 kV Max Type 10</b> inner thread to screw					A	B	C	D	E	F
A300C50-10	50	12	35	50 kA @3000V RMS Sym	10.16 (258.1)	9.33 (237.0)	.75 (19.1)	1.10 (27.9)		
A300C60-10	60	18	65							
A300C75-10	75	26	80							
A300C95-10	95	45	140							
A300C100-10	100	45	140							
A300C115-10	115	60	200		10.16 (258.1)	9.33 (237.0)	.75 (19.1)	1.42 (36.0)		
A300C125-10	125	75	260							
A300C130-10	130	75	260							
A300C150-10	150	105	350							
A300C175-10	175	165	530							
<b>3.0 kV Max Type 20</b> screw to bolt (flat bracket)										
A300C50-20	50	12	35	50 kA @3000V RMS Sym	10.59 (269.1)	9.33 (237.0)	.75 (19.1)	1.10 (27.9)	3.00 (76.2)	1.25 (31.8)
A300C60-20	60	18	65							
A300C75-20	75	26	80							
A300C95-20	95	45	140							
A300C100-20	100	45	140							
A300C115-20	115	60	200		10.59 (269.0)	9.33 (237.0)	.75 (19.1)	1.42 (36.0)	3.00 (76.2)	1.25 (31.8)
A300C125-20	125	75	260							
A300C130-20	130	75	260							
A300C150-20	150	105	350							
A300C175-20	175	165	530							
<b>3.0 kV Max Type 60</b> bolt (L bracket) to bolt (L bracket)										
A300C50-60	50	12	35	50 kA @3000V RMS Sym	13.27 (337.1)	9.41 (239.0)	.47 (11.9)	1.10 (27.9)	12.02 (305.2)	1.25 (31.8)
A300C60-60	60	18	65							
A300C75-60	75	26	80							
A300C95-60	95	45	140							
A300C100-60	100	45	140							
A300C115-60	115	60	200		13.27 (337.1)	9.41 (239.0)	.47 (11.9)	1.42 (36.0)	12.02 (305.2)	1.25 (31.8)
A300C125-60	125	75	260							
A300C130-60	130	75	260							
A300C150-60	150	105	350							
A300C175-60	175	165	530							



# MEDIUM VOLTAGE CAPACITOR FUSES/A300C

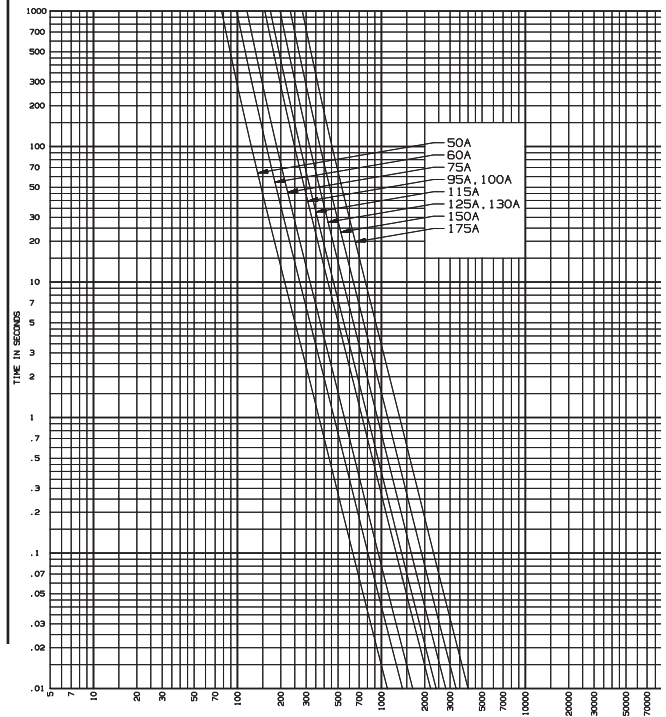
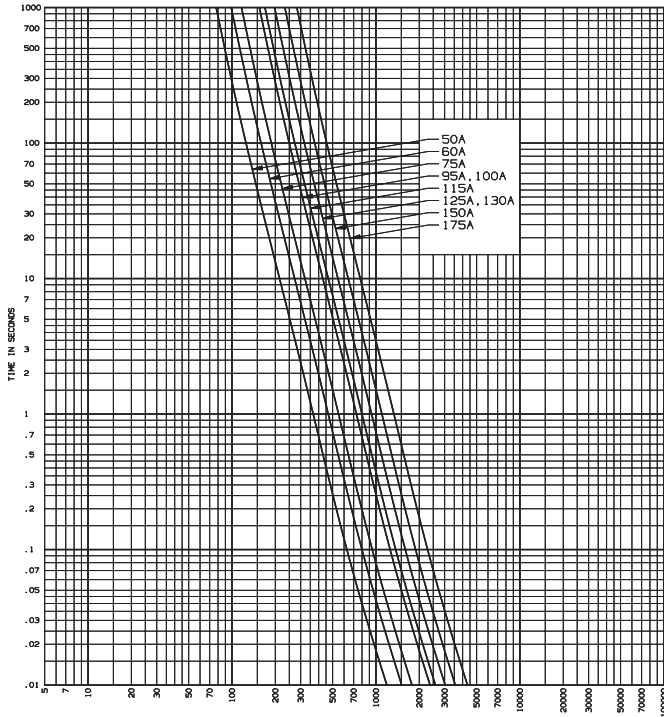
## 3.0 kV

**Total Clearing Time-Current Data 3.0kV Type 10, 20 & 60**

**Minimum Melting Time-Current Data 2.0kV Type 10, 20 & 60**

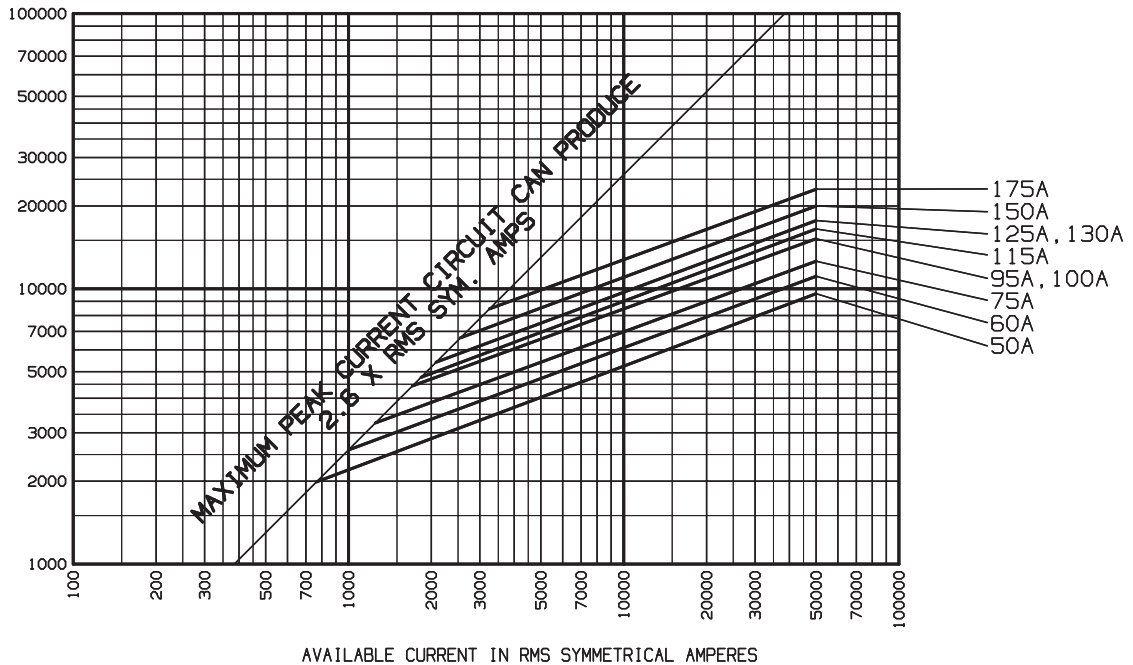
A300C (Amp Rating) - Type 10, 20 & 60

A300C (Amp Rating) - Type 10, 20 & 60



**Peak Let-Thru Current Data 3.0kV Type 10, 20 & 60**

A300C (Amp Rating) - Type 10, 20 & 60

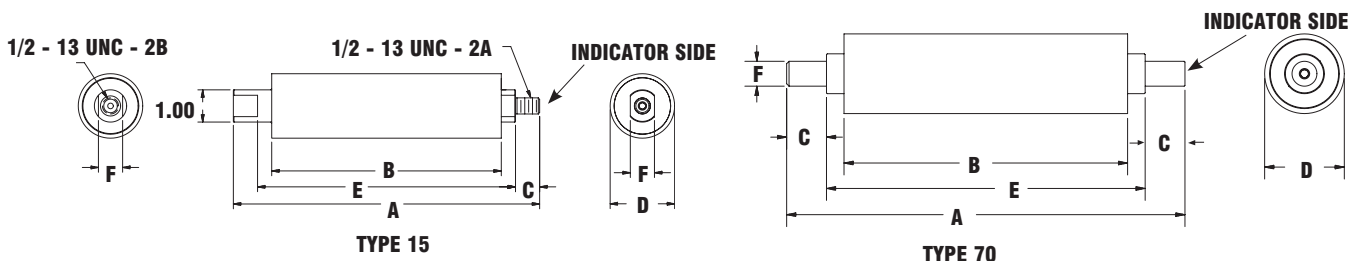


# MEDIUM VOLTAGE CAPACITOR FUSES/A430C

## 4.3 kV

### Catalog Numbers, Ampere Ratings, Dimensions

Part Number	Ampere Rating	Melting I <sub>t</sub> (kA·s)	Maximum Clearing I <sub>t</sub> (kA·s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length Inches (mm)	Tube Length Inches (mm)	Indicator Housing Inches (mm)	Body Dia Inches (mm)	Bracket Dimensions Inches (mm)	
<b>4.3 kV Max Type 15</b> external female to bolt										
A430C6-15	6	0.4	2.49	65 kA @ 4300V RMS Sym	9.50 (241.3)	7.12 (180.8)	.75 (19.1)	2.00 (50.8)	8.00 (203.2)	.75 (19.1)
A430C8-15	8	0.73	4.31							
A430C10-15	10	1.14	6.38							
A430C12-15	12	1.6	8.64							
A430C18-15	18	3	15							
A430C20-15	20	4.5	22.1							
A430C25-15	25	6.5	31.2							
A430C30-15	30	7.7	36.2							
A430C35-15	35	9	41.4							
A430C45-15	45	12	54.6							
A430C50-15	50	15	68							
A430C65-15	65	29	84							
A430C75-15	75	36	100							
A430C80-15	80	42	120							
A430C90-15	90	58	160							
A430C100-15	100	66	180							
<b>4.3 kV Max Type 70</b> tube to tube										
A430C6-70	6	0.4	2.49	65 kA @ 4300V RMS Sym	10.00 (254.0)	7.12 (180.8)	1.00 (25.4)	2.00 (50.8)	8.00 (203.2)	.63 (15.9)
A430C8-70	8	0.73	4.31							
A430C10-70	10	1.14	6.38							
A430C12-70	12	1.6	8.64							
A430C18-70	18	3	15							
A430C20-70	20	4.5	22.1							
A430C25-70	25	6.5	31.2							
A430C30-70	30	7.7	36.2							
A430C35-70	35	9	41.4							
A430C45-70	45	12	54.6							
A430C50-70	50	15	68							
A430C65-70	65	29	84							
A430C75-70	75	36	100							
A430C80-70	80	42	120							
A430C90-70	9	58	160							
A430C100-70	100	66	180							

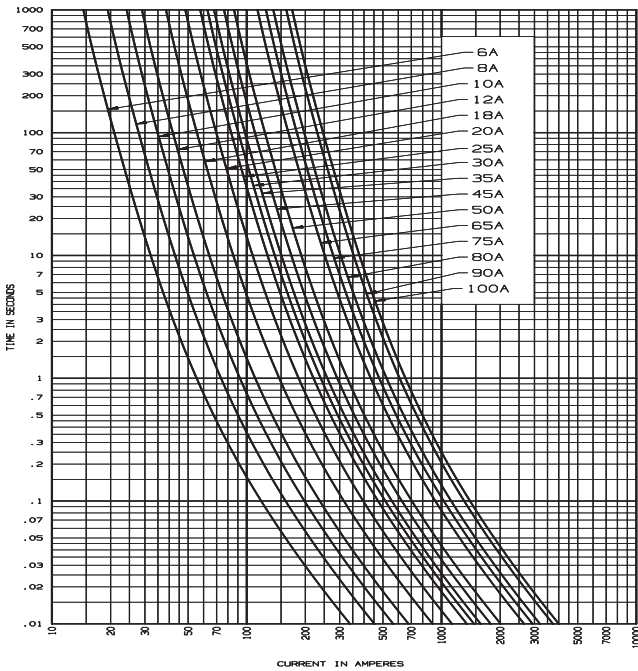


# MEDIUM VOLTAGE CAPACITOR FUSES/A430C

## 4.3 kV

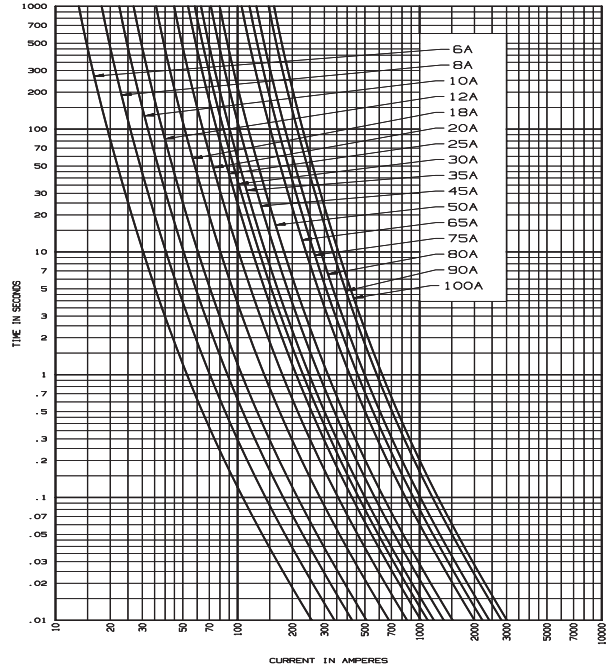
**Total Clearing Time-Current Data 4.3kV Type 15 & 70**

A430C (Amp Rating) - Type 15 & 70



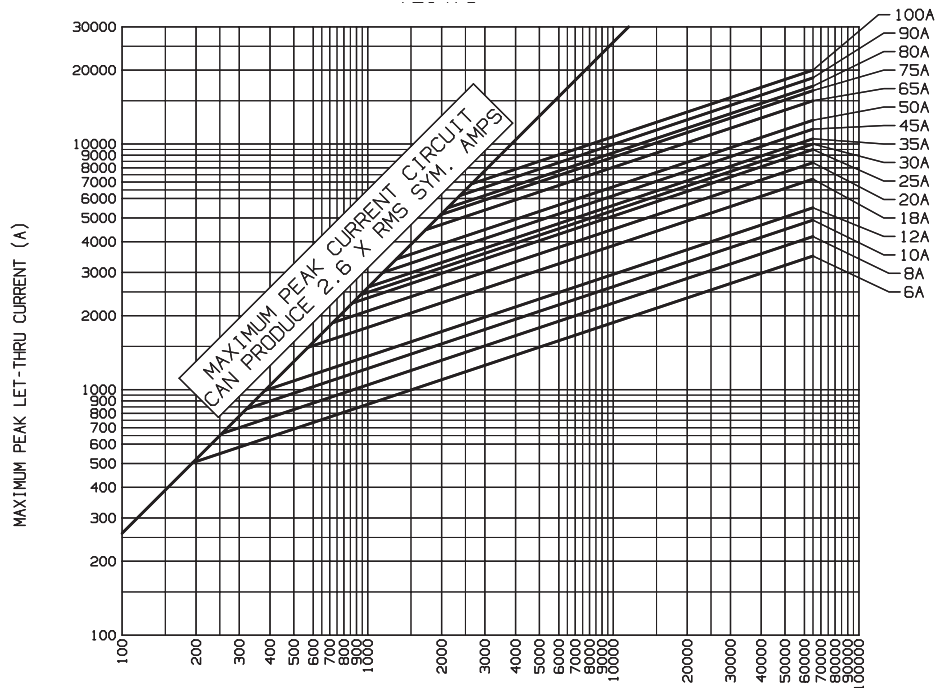
**Minimum Melting Time-Current Data 4.3kV Type 15 & 70**

A430C (Amp Rating) - Type 15 & 70



**Peak Let-Thru Current Data 4.3kV Type 15 & 70**

A430C (Amp Rating) - Type 15 & 70

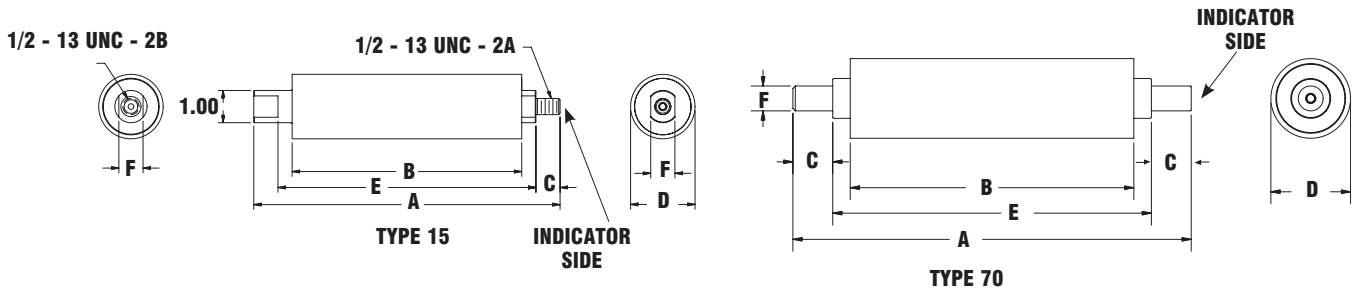


# MEDIUM VOLTAGE CAPACITOR FUSES/A550C

## 5.5 kV

### Catalog Numbers, Ampere Ratings, Dimensions

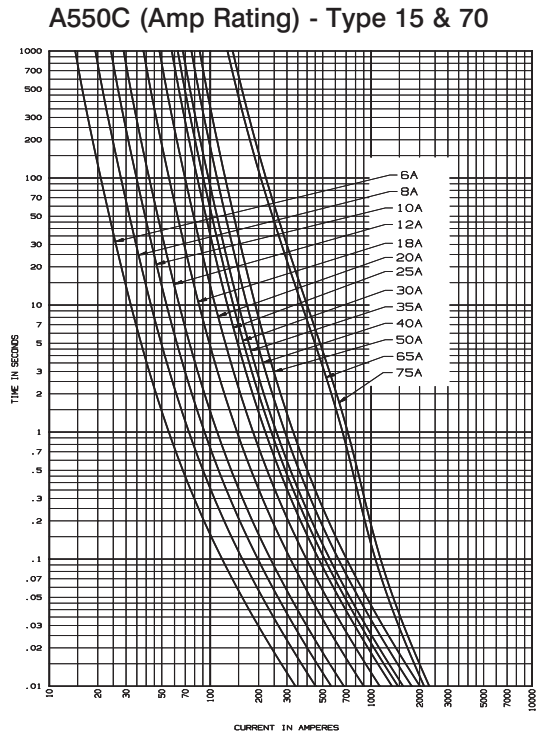
Part Number	Ampere Rating	Melting I <sup>t</sup> (kA·s)	Maximum Clearing I <sup>t</sup> (kA·s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length Inches (mm)	Tube Length Inches (mm)	Indicator Housing Inches (mm)	Body Dia Inches (mm)	Bracket Dimensions Inches (mm)	
<b>5.5 kV Max Type 15</b> external female to bolt					A	B	C	D	E	F
A550C6-15	6	0.4	2.49	65 kA @ 5500V RMS Sym	9.50 (241.3)	7.12 (180.8)	.75 (19.1)	2.00 (50.8)	8.00 (203.2)	.75 (19.1)
A550C8-15	8	0.73	4.31							
A550C10-15	10	1.14	6.38							
A550C12-15	12	1.6	8.64							
A550C18-15	18	3	15							
A550C20-15	20	4.5	22.1							
A550C25-15	25	6.5	31.2							
A550C30-15	30	7.7	36.2							
A550C35-15	35	9	41.4							
A550C40-15	40	12	54.6							
A550C50-15	50	15	68	50 kA @ 5500V RMS Sym						
A550C65-15	65	35	156							
A550C75-15	75	43	186							
<b>5.5 kV Max Type 70</b> tube to tube										
A550C6-70	6	0.4	2.49	65 kA @ 5500V RMS Sym	10.00 (254.0)	7.12 (180.8)	1.00 (25.4)	2.00 (50.8)	8.00 (203.2)	.63 (15.9)
A550C8-70	8	0.73	4.31							
A550C10-70	10	1.14	6.38							
A550C12-70	12	1.6	8.64							
A550C18-70	18	3	15							
A550C20-70	20	4.5	22.1							
A550C25-70	25	6.5	31.2							
A550C30-70	30	7.7	36.2							
A550C35-70	35	9	41.4							
A550C40-70	40	12	54.6							
A550C50-70	50	15	68	50 kA @ 5500V RMS Sym						
A550C65-70	65	35	156							
A550C75-70	75	43	186							



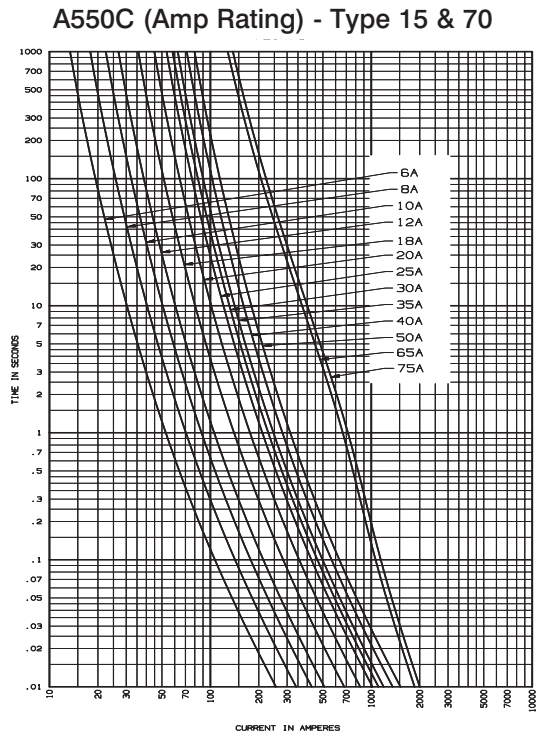
# MEDIUM VOLTAGE CAPACITOR FUSES/A550C

## 5.5 kV

**Total Clearing Time-Current Data 5.5kV Type 15 & 70**



**Minimum Melting Time-Current Data 5.5kV Type 15 & 70**



**Peak Let-Thru Current Data 5.5kV Type 15 & 70**

