

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.

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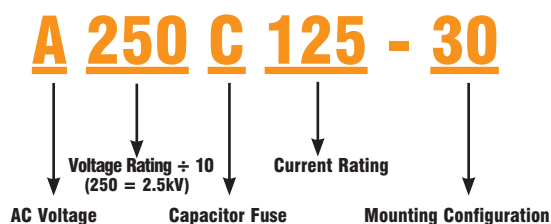
APPLICATIONS:

- 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

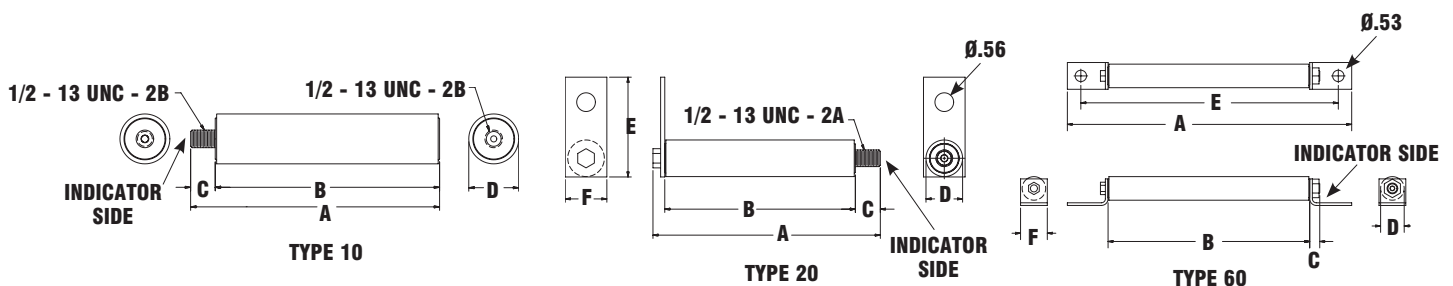
- **A100C**
AC: 25 to 125 Amps, 1000 V Maximum, 50 kA I.R. Sym.
- **A150C**
AC: 25 to 200 Amps, 1500 V Maximum, 40 kA I.R. Sym.
- **A250C**
AC: 25 to 200 Amps, 2500 V Maximum, 50 kA I.R. Sym.
- **A300C**
AC: 50 to 175 Amps, 3000 V Maximum, 50 kA I.R. Sym.
- **A430C**
AC: 6 to 100 Amps, 4300 V Maximum,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

MEDIUM VOLTAGE CAPACITOR FUSES/A300C

3.0 kV

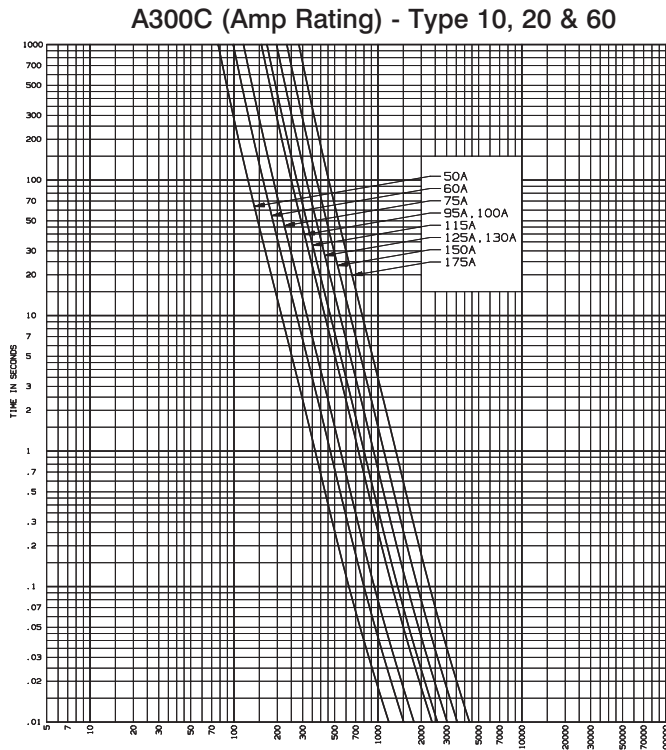
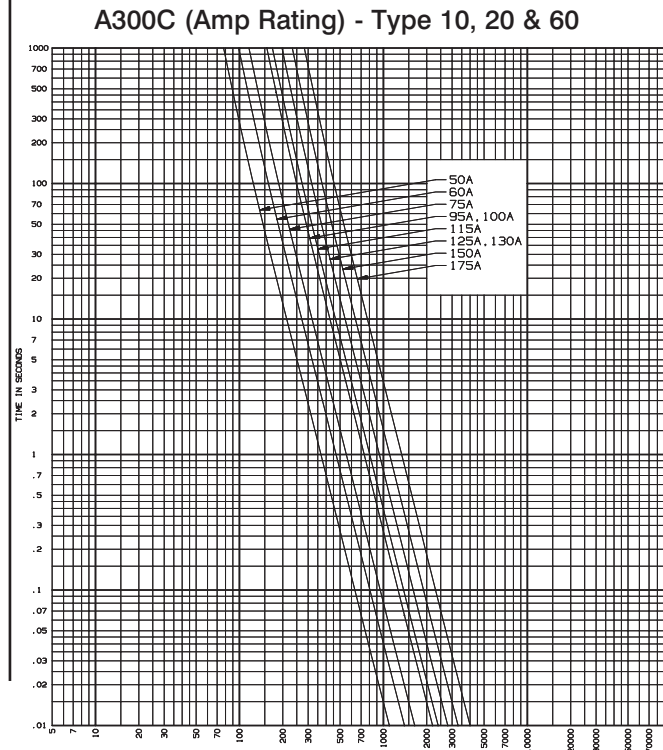
Catalog Numbers, Ampere Ratings, Dimensions

Part Number	Ampere Rating	Melting I-t (kA·s)	Maximum Clearing I-t (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)	
3.0 kV Max Type 10 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		10.16 (258.1)	9.33 (237.0)	.75 (19.1)	1.42 (36.0)		
A300C115-10	115	60	200							
A300C125-10	125	75	260							
A300C130-10	130	75	260							
A300C150-10	150	105	350							
A300C175-10	175	165	530							
3.0 kV Max Type 20 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		10.59 (269.0)	9.33 (237.0)	.75 (19.1)	1.42 (36.0)	3.00 (76.2)	1.25 (31.8)
A300C115-20	115	60	200							
A300C125-20	125	75	260							
A300C130-20	130	75	260							
A300C150-20	150	105	350							
A300C175-20	175	165	530							
3.0 kV Max Type 60 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		13.27 (337.1)	9.41 (239.0)	.47 (11.9)	1.42 (36.0)	12.02 (305.2)	1.25 (31.8)
A300C115-60	115	60	200							
A300C125-60	125	75	260							
A300C130-60	130	75	260							
A300C150-60	150	105	350							
A300C175-60	175	165	530							



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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

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