

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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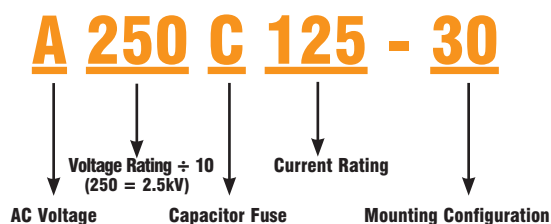
APPLICATIONS:

- 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

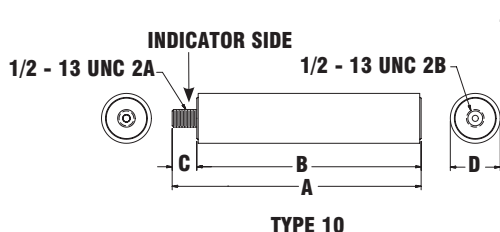
- **A100C**
AC: 25 to 125 Amps, 1000 V Maximum, 50 kA I.R. Sym.
- **A150C**
AC: 25 to 200 Amps, 1500 V Maximum, 40 kA I.R. Sym.
- **A250C**
AC: 25 to 200 Amps, 2500 V Maximum, 50 kA I.R. Sym.
- **A300C**
AC: 50 to 175 Amps, 3000 V Maximum, 50 kA I.R. Sym.
- **A430C**
AC: 6 to 100 Amps, 4300 V Maximum,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

MEDIUM VOLTAGE CAPACITOR FUSES/250C

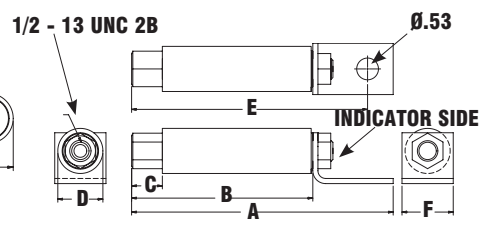
2.5 kV

Catalog Numbers, Ampere Ratings, Dimensions

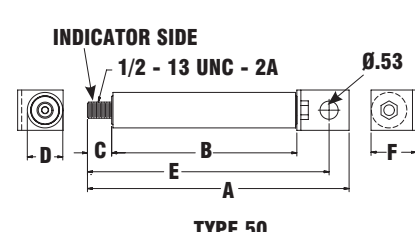
Part Number	Ampere Rating	Melting I _t (kA·s)	Maximum Clearing I _t (kA·s)	Maximum 1 Phase Interrupting Rating (kA)	Overall Length Inches (mm)	Tube Length Inches (mm)	Indicator Housing Inches (mm)	Body Dia Inches (mm)	Bracket Dimensions Inches (mm)	
2.5 kV Max Type 10 inner thread to screw					A	B	C	D	E	F
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	40 kA @2000V RMS Sym	7.67 (194.8)	6.92 (175.8)	.75 (19.1)	1.42 (36.0)		
A250C150-10	150	130	460							
A200C165-10*	165	150	350							
A200C175-10*	175	165	440							
A200C200-10*	200	225	500							
2.5 kV Max Type 30 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							
2.5 kV Max Type 50 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	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)
A250C150-50	150	130	460							
A200C165-50*	165	150	350							
A200C175-50*	175	165	440	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)
A200C200-50*	200	225	500							



TYPE 10



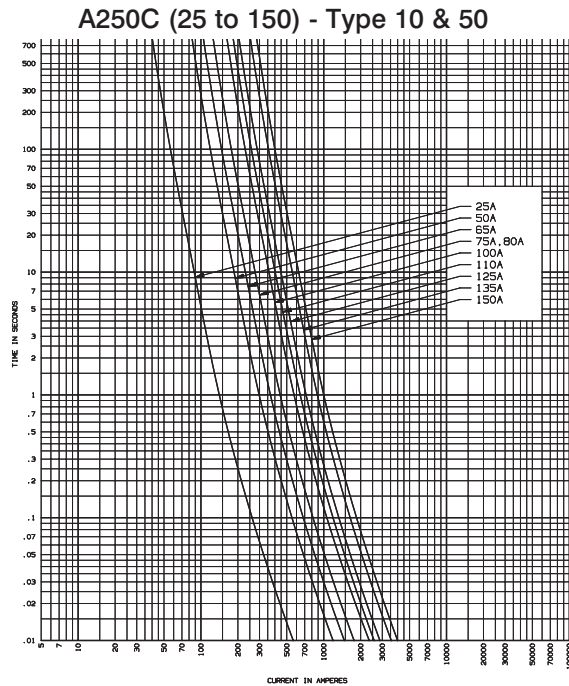
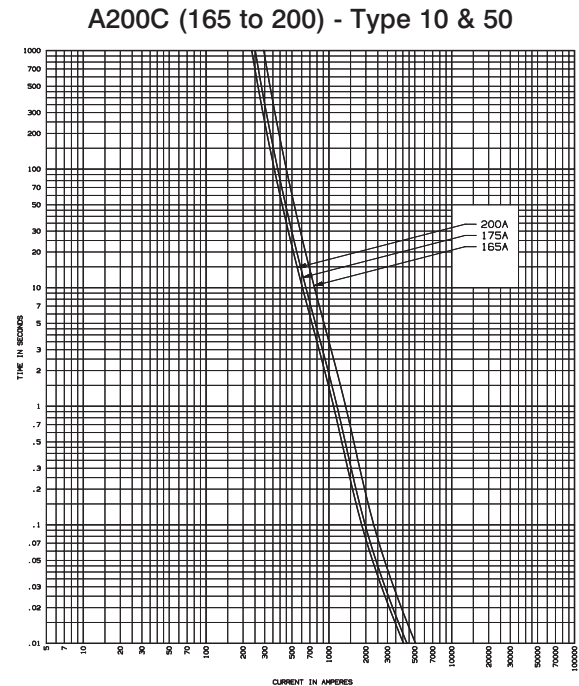
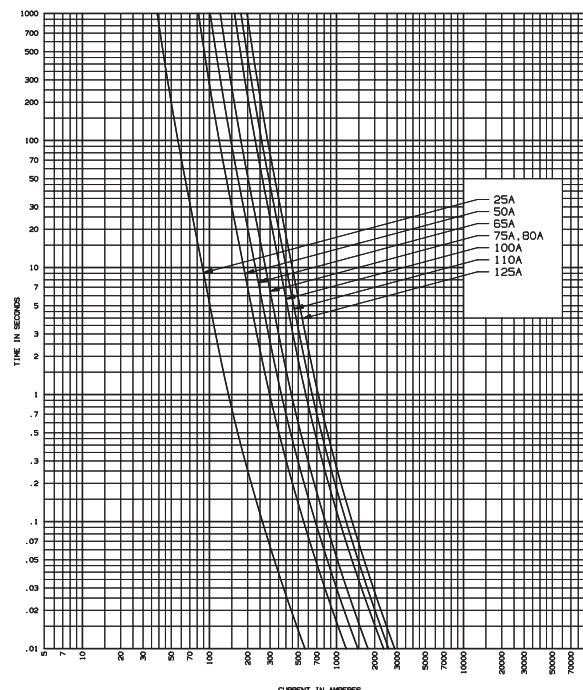
TYPE 30



TYPE 50

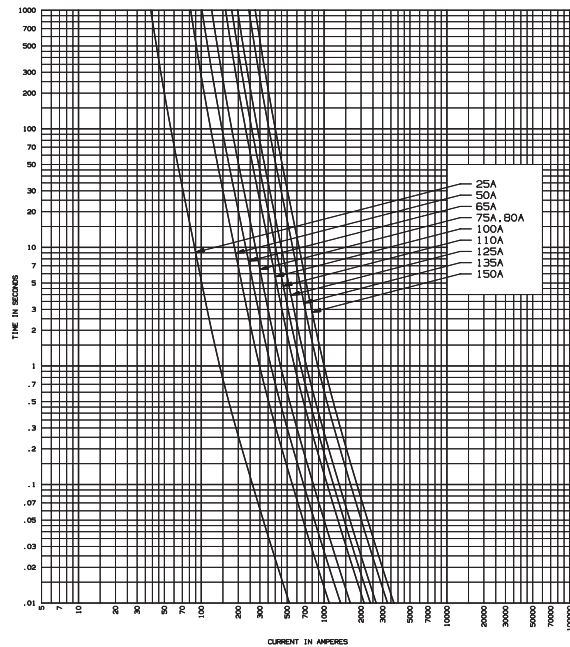
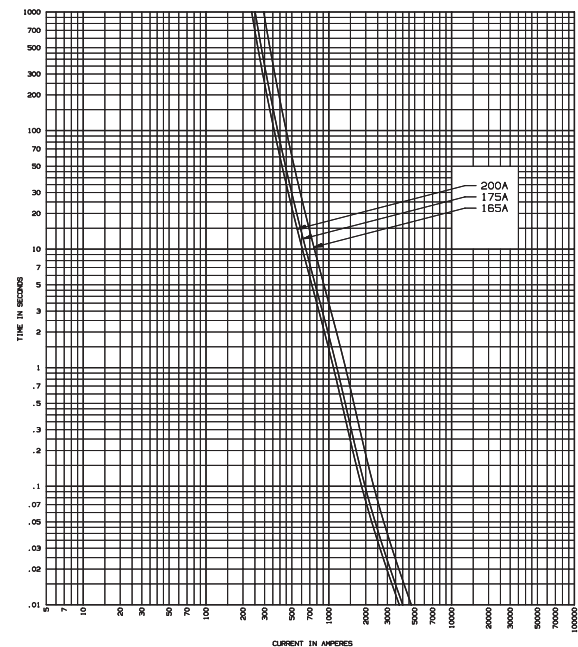
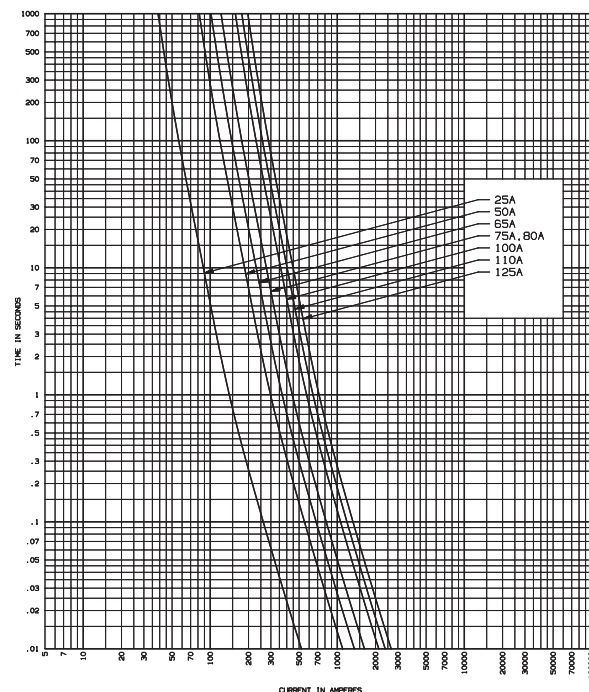
MEDIUM VOLTAGE CAPACITOR FUSES/A250C

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


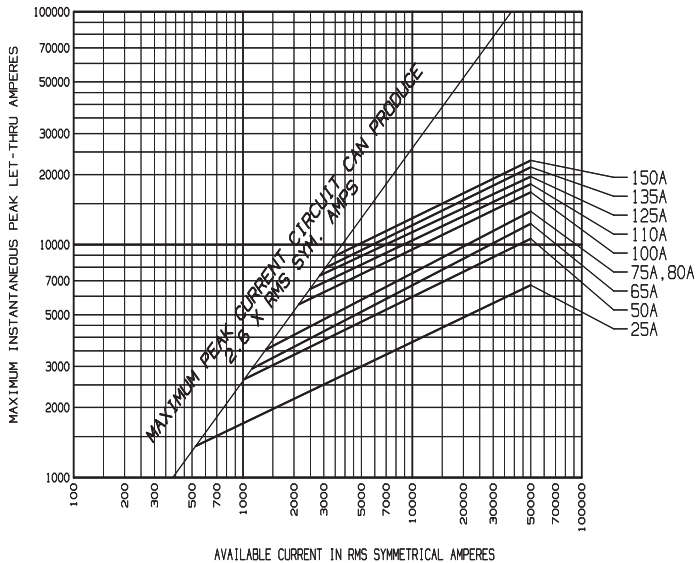
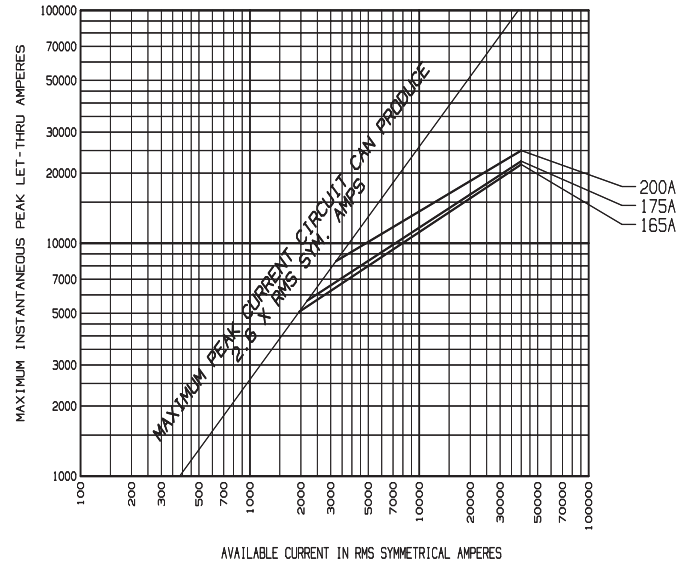
MEDIUM VOLTAGE CAPACITOR FUSES/A250C

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
