

# Capacitor Protection

## Amp-Trap® and 9F60 Series

### Medium voltage capacitor fuses:

Mersen 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.

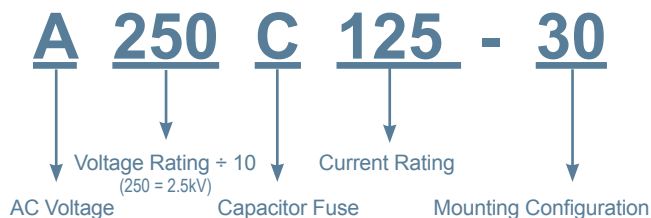
### Features/Benefits:

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

### Applications:

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

### Catalog Numbering System:



### Ratings:

#### A100C

**Volts** : 1000V AC Max.  
**Amps** : 25 to 125 A  
**IR** : 50 kA Sym

#### A150C

**Volts** : 1500V AC Max.  
**Amps** : 25 to 200 A  
**IR** : 40 kA Sym

#### A250C

**Volts** : 2500V AC Max.  
**Amps** : 25 to 200 A  
**IR** : 50 kA Sym

#### A300C

**Volts** : 3000V AC Max.  
**Amps** : 50 to 175 A  
**IR** : 50 kA Sym

#### A430C

**Volts** : 4300V AC Max.  
**Amps** : 6 to 100 A  
**IR** : 65 kA Sym

#### A550C

**Volts** : 5500V AC Max.  
**Amps** : 6 to 75 A  
**IR** : 65 kA Sym

#### 9F60RJD

**Volts** : 5500V AC Max.  
**Amps** : 25 to 80 A  
**IR** : 50 kA Sym

#### 9F60RJF

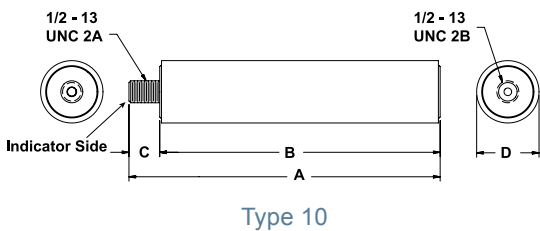
**Volts** : 9520V AC Max.  
**Amps** : 15 to 40A  
**IR** : 50 kA Sym

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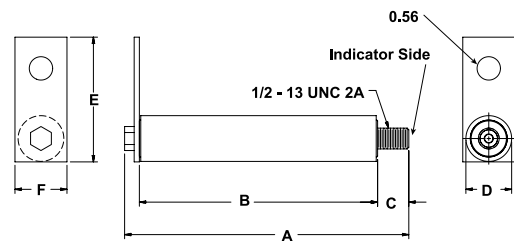
## Amp-Trap® and 9F60 Series

### 3.0 kV Capacitor Fuses Amp-Trap Series

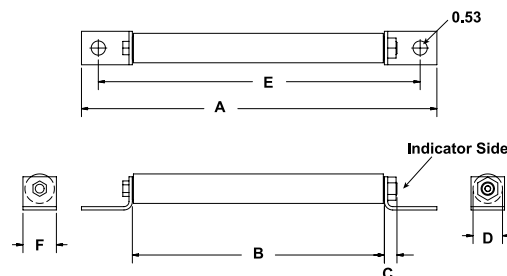
Catalog Number	Ampere Rating	Melting I <sup>2</sup> t (kA <sup>2</sup> s)	Maximum 1 Clearing I <sup>2</sup> t (kA <sup>2</sup> s)	Maximum 1 Phase Interrupting Rating	Overall Length	Tube Length	Ind. Housing	Body Dia	Bracket Dimensions	
					Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)
<b>3.0 kV Max Type 10 inner thread to screw</b>					<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
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 screw to bolt (flat bracket)</b>										
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 bolt (L bracket) to bolt (L bracket)</b>										
A300C50-60	50	12	35	50 kA @3000V RMS Sym	13.27 (337.1)	9.41 (239.0)	.47 (11.9)	1.42 (36.0)	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							
A300C125-60	125	75	260							
A300C130-60	130	75	260							
A300C150-60	150	105	350							
A300C175-60	175	165	530							



Type 10



Type 20



Type 60