

# 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.

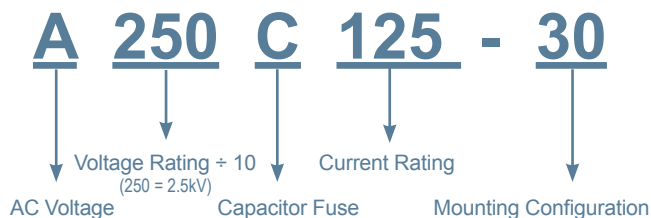
### Features/Benefits:

- 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

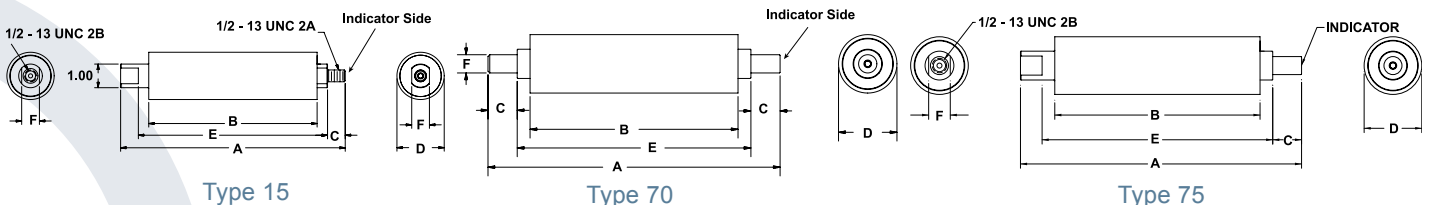
**Volts** : 9520V AC Max.  
**Amps** : 15 to 40A  
**IR** : 50 kA Sym

# Capacitor Protection

## Amp-Trap<sup>®</sup> and 9F60 Series

### 4.3 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>4.3 kV Max Type 15 external female to bolt</b>					<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
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 tube to tube</b>										
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	90	58	160							
A430C100-70	100	66	180							
<b>4.35 kV Max Type 75 external female to tube</b>										
A430C6-75	6	0.4	2.49	65 kA @4300V RMS Sym	9.75 (247.7)	7.12 (180.8)	1.00 (25.4)	2.00 (50.8)	8.00 (203.2)	0.63 (15.9)
A430C8-75	8	0.73	4.31							
A430C10-75	10	1.14	6.38							
A430C12-75	12	1.6	8.64							
A430C18-75	18	3	15							
A430C20-75	20	4.5	22.1							
A430C25-75	25	6.5	31.2							
A430C30-75	30	7.7	36.2							
A430C35-75	35	9	41.4							
A430C45-75	45	12	54.6							
A430C50-75	50	15	68							
A430C65-75	65	29	84							
A430C75-75	75	36	100							
A430C80-75	80	42	120							
A430C90-75	90	58	160							
A430C100-75	100	66	180							



For the most current product performance data visit [ep.mersen.com](http://ep.mersen.com) and use catalog search.