

# 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.

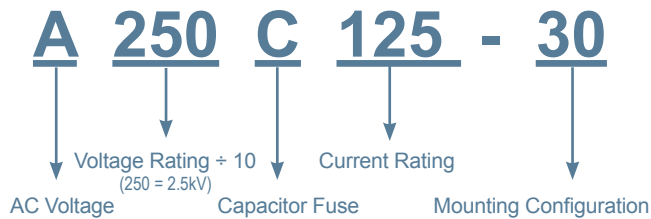
### Features/Benefits:

- 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

### 2.5 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>2.5 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>
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 external female to bolt (L bracket)</b>										
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 screw to bolt (L bracket)</b>										
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							

