

# 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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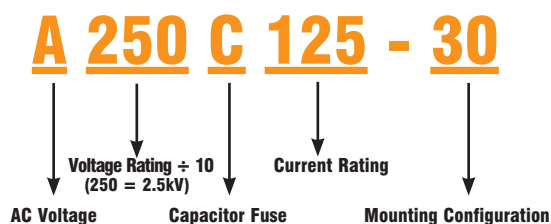
## APPLICATIONS:

- 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/A100C-A150C

## 1.0 kV - 1.5 kV

### Catalog Numbers, Ampere Ratings, Dimensions

| Part Number   | Ampere Rating | Melting I <sup>t</sup> (kA·s) | Maximum Clearing I <sup>t</sup> (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) |                |  |  |
|---|---------------|-------------------------------|--|--|----------------------------|-------------------------|-------------------------------|----------------------|--------------------------------|----------------|--|--|
|   |               |                               |  |  | A                          | B                       | C                             | D                    | E                              | F              |  |  |
| <b>1.0 kV Max Type 30</b> external female to bolt (L bracket) |               |                               |  |  |                            |                         |                               |                      |                                |                |  |  |
| A100C25-30  | 25            | 4                             | 10                                     | 50 kA<br>@1000V<br>RMS Sym               | 6.38<br>(162.1)            | 4.42<br>(112.3)         | .75<br>(19.1)                 | 1.10<br>(27.9)       | 5.76<br>(146.2)                | 1.25<br>(31.8) |  |  |
| A100C50-30  | 50            | 16                            | 40                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A100C60-30  | 60            | 25                            | 60                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A100C75-30  | 75            | 35                            | 95                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A100C90-30  | 90            | 50                            | 130                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A100C100-30   | 100           | 65                            | 165                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A100C110-30   | 110           | 80                            | 205                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A100C125-30   | 125           | 100                           | 250                                    |  |                            |                         |                               |                      |                                |                |  |  |
| <b>1.5 kV Max Type 40</b> external female to external female  |               |                               |  |  |                            |                         |                               |                      |                                |                |  |  |
| A150C100-40   | 100           | 125                           | 140                                    | 40 kA<br>@1500V<br>RMS Sym               | 6.84<br>(173.6)            | 4.78<br>(121.4)         | .51<br>(13.0)                 | 1.75<br>(27.9)       | .75<br>(19.1)                  |                |  |  |
| A150C110-40   | 110           | 125                           | 180                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C125-40   | 125           | 130                           | 230                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C130-40   | 130           | 130                           | 230                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C140-40   | 140           | 150                           | 285                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C150-40   | 150           | 185                           | 315                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C160-40   | 160           | 185                           | 360                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C175-40   | 175           | 225                           | 410                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C200-40   | 200           | 300                           | 560                                    |  |                            |                         |                               |                      |                                |                |  |  |
| <b>1.5 kV Max Type 50</b> screw to bolt (L bracket)           |               |                               |  |  |                            |                         |                               |                      |                                |                |  |  |
| A150C25-50  | 25            | 3.2                           | 6.5                                    | 40 kA<br>@1500V<br>RMS Sym               | 8.11<br>(206.0)            | 5.74<br>(145.8)         | .75<br>(19.1)                 | 1.10<br>(27.9)       | 7.49<br>(190.2)                | 1.41<br>(35.8) |  |  |
| A150C50-50  | 50            | 13                            | 27                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A150C60-50  | 60            | 18                            | 38                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A150C75-50  | 75            | 30                            | 60                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A150C90-50  | 90            | 35                            | 72                                     |  |                            |                         |                               |                      |                                |                |  |  |
| A150C100-50   | 100           | 52                            | 105                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C110-50   | 110           | 58                            | 120                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C120-50   | 120           | 73                            | 150                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C125-50   | 125           | 82                            | 165                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C130-50   | 130           | 90                            | 190                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C135-50   | 135           | 90                            | 190                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C140-50   | 140           | 105                           | 220                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C150-50   | 150           | 120                           | 240                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C160-50   | 160           | 185                           | 480                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C165-50   | 165           | 185                           | 480                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C175-50   | 175           | 225                           | 600                                    |  |                            |                         |                               |                      |                                |                |  |  |
| A150C200-50   | 200           | 300                           | 800                                    |  |                            |                         |                               |                      |                                |                |  |  |

