

# Motor Protection

Amp-Trap® and 9F60 Series

## MEDIUM VOLTAGE FUSES

2.4kV, 2.54kV, 4.8kV, 5.08kV AND 7.2kV  
FERRULE MOUNTED FUSES

M  
V



Mersen R-Rated fuses are current-limiting, high interrupting rating fuses intended for the short circuit protection of medium voltage motors and motor controllers. R-Rated fuses are back-up fuses that have a minimum interrupting rating, and must be coordinated with overload relays in combination motor starters. These fuses come with a 3 (size D) or 4 (size E) inch diameter barrels with ferrules and are mounted in spring reinforced clips. Used in and required for replacement in motor controllers by many major manufacturers.

## FEATURES/BENEFITS:

- The Amp-Trap and 9F60 R-Rated fuses are UL Recognized.
- Ferrule mounting for standard clips and interchangeability with other brands of fuses.
- Current-limiting for superior equipment protection.
- Metal embossed catalog number and manufacturing date for lasting identification.
- Blown-fuse indicator to give positive identification of open fuse.
  - Amp trap: 3" Barrel 2 lb tripped force - 0.50 Inch
  - 9F60: 0.125 lb tripped force - 0.20 Inch
- Many parts offered in non-indicating versions for use in Class 1, Div 2 environments.
- Hook-eye option featured on some models for non-load break isolation by hookstick.
  - A051F part numbers include welded hook-eye feature and are designed for use in Eaton Ampgard MCC, and direct replacement for 5ACLS series Eaton fuses
  - Optional hook-eye is also available on A480 part numbers, factory installed.

## Ratings:

### Amp-Trap

#### A240R

- **Volts:** 2.4kVAC
- **Amps:** 1 to 36R
- **IR:** 65kA Sym

#### A480R

- **Volts:** 4.8kVAC
- **Amps:** 2 to 36R
- **IR:** 64-65kA

#### A051F

- **Volts:** 5.08kV
- **Amps:** 2 to 24R
- **IR:** 50kA Sym

#### A072F

- **Volts:** 7.2kVAC
- **Amps:** 2 to 24R
- **IR:** 65kA Sym

### 9F60 SERIES TYPE EJ-2

#### 9F60

- **Volts:** 2.54kVAC, 5.08kVAC
- **Amps:** 2 to 36R
- **IR:** 50kA Sym

## APPLICATIONS:

- Short circuit protection of medium voltage motors and motor controllers.

## APPROVALS:



- Amp-Trap: UL File E93367
- 9F60: UL File E191980

7.2kV FERRULE MOUNTED FUSES:

7.2kV R-Rated Amp-Trap Series

12.5" (317 mm) Clip Centers - Barrel diameter size D (3")



| Catalog No.    | Size | Continuous Amp rating at 40°C | Minimum Interrupting Rating RMS Amp | No of Barrels | Fig. | Indicating | Dimension L Inches (mm) | 1 Phase interrupting rating |                    |
|----------------|------|-------------------------------|-------------------------------------|---------------|------|------------|-------------------------|-----------------------------|--------------------|
|                |      |                               |                                     |               |      |            |                         | UL Component Recognition    | Max Voltage Tested |
|                |      |                               |                                     |               |      |            |                         | Max IR RMS Sym              | Max IR RMS Sym     |
| A072F1D0R0-2R  | 2R   | 70                            | 190                                 | 1             | L    | Yes        | 15.88 (403)             | 65kA at 7.2kV               | 65kA at 7.7kV      |
| A072F1D0R0-3R  | 3R   | 100                           | 225                                 |               |      |            |                         |                             |                    |
| A072F1D0R0-4R  | 4R   | 130                           | 330                                 |               |      |            |                         |                             |                    |
| A072F1D0R0-5R  | 5R   | 150                           | 400                                 |               |      |            |                         |                             |                    |
| A072F1D0R0-6R  | 6R   | 170                           | 500                                 |               |      |            |                         |                             |                    |
| A072F1D0R0-9R  | 9R   | 200                           | 740                                 |               |      |            |                         |                             |                    |
| A072F1D0R0-12R | 12R  | 230                           | 955                                 | 2             | M    |            |                         |                             |                    |
| A072F2D0R0-18R | 18R  | 390                           | 1440                                |               |      |            |                         |                             |                    |
| A072F2D0R0-24R | 24R  | 450                           | 1910                                |               |      |            |                         |                             |                    |



Indicator Flush with Surface  
2 Lb. Force (Tripped)

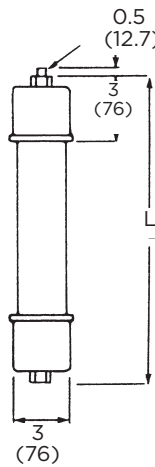


Figure L

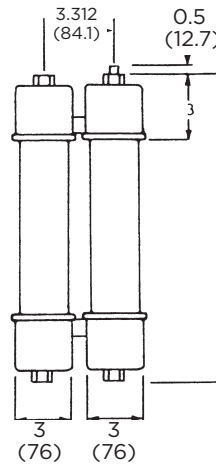


Figure M