

## A240R/A480R/A072F/A072B

## MED. VOLTAGE FUSES/R-RATED



## HIGHLIGHTS:

- R-Rated
- All voltage ratings  
UL Recognized



## DEFINITIONS:

## R-Rating:

An "R" rated fuse will melt in the range of 15 to 35 seconds at a value of current equal to 100 times the "R" rating.

## Back-up type Current-Limiting Fuse:

A current limiting fuse which can interrupt any current between its rated minimum interrupting current and its maximum interrupting current. Backup fuses are not designed or intended to open under overload conditions.

## APPLICATIONS:

- Short circuit protection of medium voltage motors and motor controllers

## R-RATED MOTOR STARTER FUSES

Amp-trap® 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. The motor starter manufacturer generally specifies the R-rated fuse size. Amp-trap® R-rated fuses are rated 2R to 36R, at 2.4, 4.8, and 7.2kV. 4.8 and 7.2kV fuses are UL Recognized. The 4.8kV (A480R) is available with hookeye tab. The 7.2kV (A072F) series has the same dimensions as the 4.8kV (A480R), allowing smaller 7.2kV equipment or 4.8kV upgrades, and is available as a bolt in version.

## Features/Benefits

- **Ferrule mounting** for standard clips and interchangeability with other brands of fuses
- **7.2kV series** has the same dimensions as 4.8kV fuses, allowing compact, higher voltage rated designs
- **7.2kV bolt-in design** is available for improved design flexibility
- **Optional hookeye on 4.8kV** for non load-break isolation by hookstick

## Ratings

- **A240R**  
**AC:** 1R to 36R  
2750V, 65kA I.R. Sym.
- **A480R**  
**AC:** 2R to 36R  
5500V, 63kA I.R. Sym.
- **A072F, A072B**  
**AC:** 2R to 24R

## Approvals

- UL Recognized Component A240R @ 2600V, 65kA, Sym. A480R @ 5080V, 50kA, Sym. A072 @ 7200V 50kA, Sym. UL File #E93367

## Spring-Reinforced Clips

228-700-530 (One pair of clips)

For 3" Diameter, 2 barrels max.

## A240R

## MEDIUM VOLTAGE FUSES/R-RATED

## 2.4kV Ferrule Style

Indicator Flush with Surface  
2 Lb. Force (Tripped)

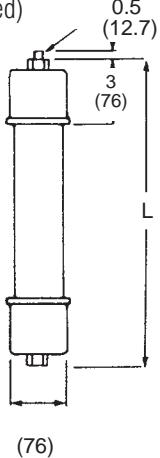


Figure A

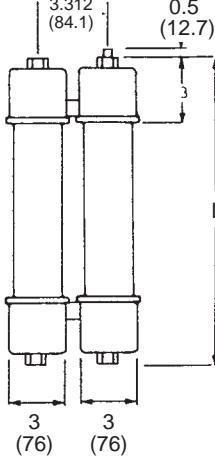


Figure B

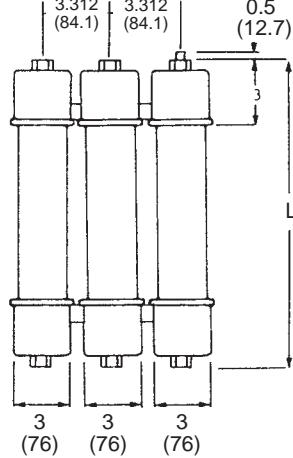


Figure C

E

## Catalog Numbering System, Ratings, Dimensions, 2.4kV

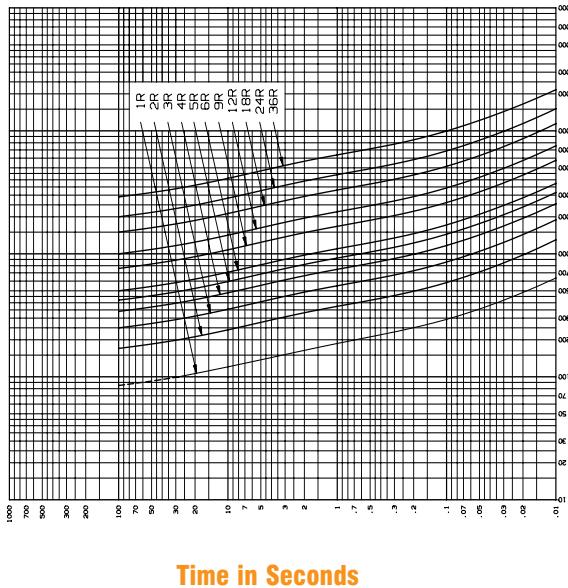
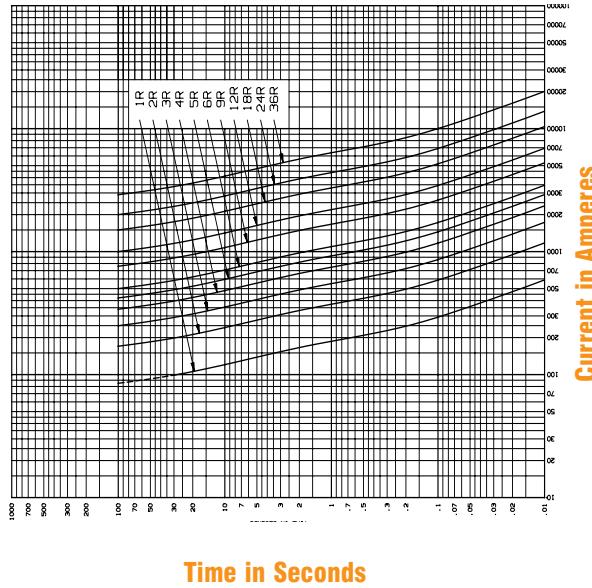
FIG.	CATALOG NUMBER		CONTINUOUS AMPERE RATING at 40 °C	DIM. L	MINIMUM INTERRUPTING RATING RMS AMPERES	1 PHASE INTERRUPTING RATING	
	STANDARD	SIZE				UL COMPONENTS	MAXIMUM RECOGNITION TESTED
A240R							
A	A240R1R	1R	35	10-7/8 (276mm)	100	100kA @ 2600V	65kA @ 2600V
	A240R2R	2R	70		170		
	A240R3R	3R	100		250		
	A240R4R	4R	130		340	100kA @ 2750V	65kA @ 2750V
	A240R5R	5R	150		420		
	A240R6R	6R	170		500		
B	A240R9R	9R	200		760	@ 2600V	@ 2750V
	A240R12R	12R	230		1000		
C	A240R18R	18R	390		1500	@ 2600V	@ 2750V
	A240R24R	24R	450		2000		
	A240R36R	36R**	650		2900		

\* This rating defines the fuse's long-term thermal capability per ANSI C37. 46-1 and should not be the sole factor for selecting a specific R rating.

\*\* Not recommended for use in fuse clips which grasp only one barrel.

# A240R

## MEDIUM VOLTAGE FUSES/R-RATED

**Total Clearing Time - Current Data, 2.4kV Fuses****Minimum Melting Time - Current Data, 2.4kV Fuses**

Time in Seconds

Current in Amperes

Time in Seconds

Current in Amperes

**A240R, 2400 Volts****Peak Let-Thru Current Data, R-Rated Fuses**