

A240R/A480R/A072F/A072B

MED. VOLTAGE FUSES/R-RATED



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 hookey 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 hookey on 4.8kV** for non load-break isolation by hookstick

HIGHLIGHTS:

- R-Rated
- All voltage ratings UL Recognized

APPLICATIONS:

- Short circuit protection of medium voltage motors and motor controllers



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 it’s rated minimum interrupting current and it’s maximum interrupting current. Backup fuses are not designed or intended to open under overload conditions.

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

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2.4kV Ferrule Style

Indicator Flush with Surface
2 Lb. Force (Tripped)

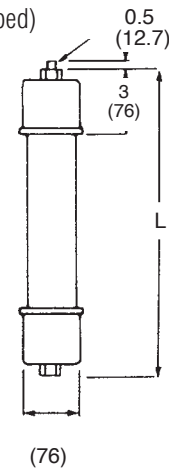


Figure A

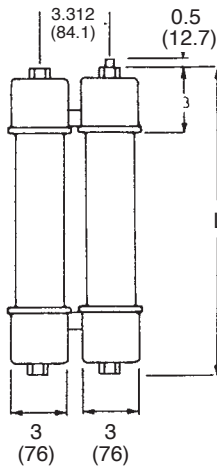


Figure B

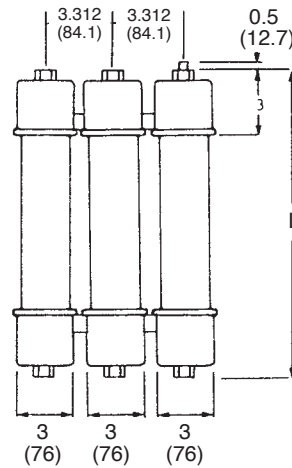


Figure C



Catalog Numbering System, Ratings, Dimensions, 2.4kV

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

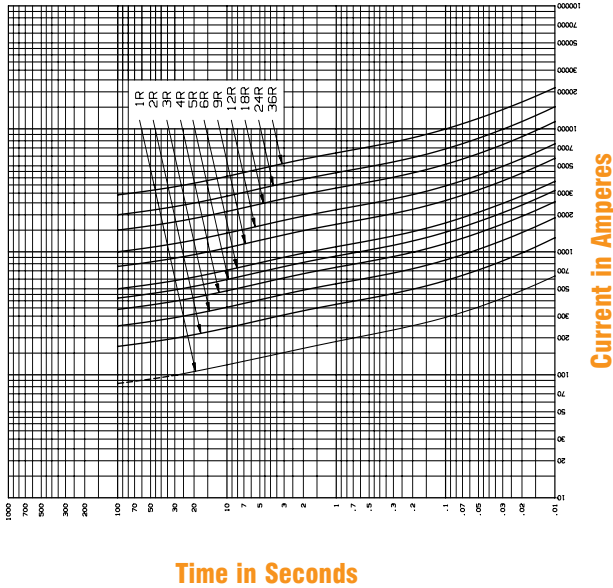
** Not recommended for use in fuse clips which grasp only one barrel.

A240R

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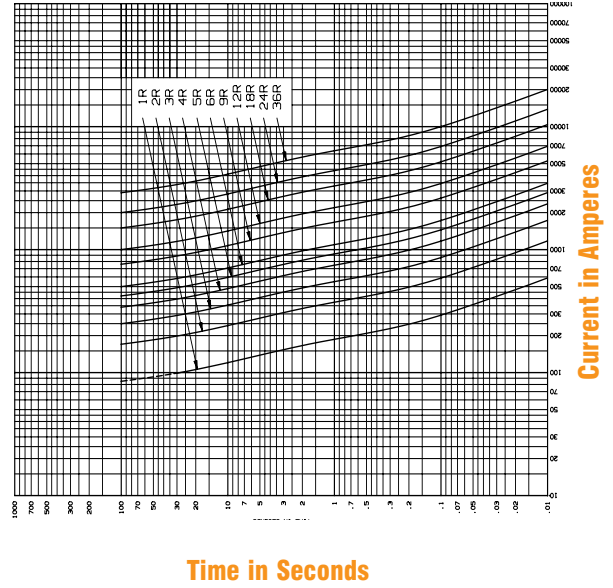
Total Clearing Time – Current Data, 2.4kV Fuses

A240R, 2400 Volts



Minimum Melting Time – Current Data, 2.4kV Fuses

A240R, 2400 Volts



A240R, 2400 Volts

Peak Let-Thru Current Data, R-Rated Fuses

