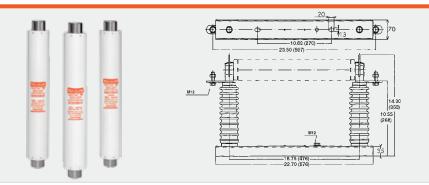
Motor Protection

Amp-Trap® DIN-Style Fuses

MEDIUM VOLTAGE FUSES

R-RATED IEC DIN STYLE MV FUSES



Amp-Trap® R-Rated DIN style fuses are current-limiting, high interrupting rating fuses, intended for the short circuit protection of medium voltage motors and motor controllers. This product range offers North American R-Rated performance in the IEC 282-1 DIN mounting configuration of 442mm. R-Rated fuses are applied as back up fuses that have a minimum interrupting rating, and must be coordinated with overload relays in combination motor starters. Amp-Trap R-Rated, DIN type fuses are offered in voltage ratings of 3.3kV, 5.3kV and 7.2kV in ratings from 2R to 19R. All fuses within this product group are UL component recognized.

DEFINITIONS:

R-Rating: R-Rated fuses are back-up fuses that operate as follows (Per ANSI C37.46-2000): 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 Current-Limiting Fuses: A back-up current-limiting fuse is a fuse that can interrupt any current between its rated minimum interrupting current and its maximum interrupting current. Back-up fuses are not designed or intended to open under overload conditions.

Continuous Ampere Rating at 40°C: The continuous amp rating defines the thermal capability of the fuse per ANSI C37.46 and should not be the sole factor in fuse selection.

Spring-Reinforced Clip MR45 & Spring Ref.# L096472

Fuse-Holder: SI 24/442 Ref # K209424 In compliance with IEC 282-1, DIN standard 43625. *Note: Ratings above 19R may be achieved by paralleling fuses. Please consult factory for details.

RATINGS:

A033D1

Volts: 3300V AC
Amps: 2 to 19R*
IR: 65kA Sym

A055D1

Volts: 5300V ACAmps: 2 to 19R*IR: 65kA Sym

A072D1

Volts: 7200V AC
Amps: 2 to19R*
IR: 65kA Sym

FEATURES/BENEFITS:

- Clip mount DIN 45: R-Rated fuses with North American ANSI characteristics in a standard DIN 442mm size.
- Current-limiting for superior equipment protection
- Blown fuse indicator provides positive identification of open fuse. 4.5lb tripping force - 1.0".

HIGHLIGHTS:

- R-Rated
- UL recognized

APPLICATIONS:

 Short circuit protection of medium voltage motors and motor controllers.

APPROVALS:



UL recognized component File E93367





Fig.	Catalog Number	Size	Continuous	Continuous Amp Rating 40°C**	Minimum Interrupting Rating RMS Rating	1 Phase Interrupting Rating Maximum Tested	
			Amp Rating 55°C**			RMS Asym	RMS Sym
3.3kv	Max. DIN IEC Style 442	mm					
Α	A033D1DSR0-2R	2R	63	70	190	- 100kA @ 3300V	65kA @ 3300V
Α	A033D1DSR0-3R	3R	90	100	225		
Α	A033D1DSR0-4R	4R	115	130	225		
Α	A033D1DSR0-5R	5R	135	150	400		
Α	A033D1DSR0-6R	6R	150	170	540		
Α	A033D1DSR0-9R	9R	180	200	780		
Α	A033D1DSR0-12R	12R	210	230	955		
Α	A033D1DSR0-13R	13R*	230	260	1050		
Α	A033D1DSR0-16R	16R*	270	300	1200		
Α	A033D1DSR0-19R	19R*	280	310	1280		
5.5kV	Max. DIN IEC Style 442	mm					
Α	A055D1DSR0-2R	2R	63	70	190	- 100kA @ 5500V	65kA @ 5500V
Α	A055D1DSR0-3R	3R	90	100	225		
Α	A055D1DSR0-4R	4R	115	130	225		
Α	A055D1DSR0-5R	5R	135	150	400		
Α	A055D1DSR0-6R	6R	150	170	540		
Α	A055D1DSR0-9R	9R	180	200	780		
Α	A055D1DSR0-12R	12R	210	230	955		
Α	A055D1DSR0-13R	13R*	230	260	1050		
Α	A055D1DSR0-16R	16R*	270	300	1200		
Α	A055D1DSR0-19R	19R*	280	310	1280		
7.2kV	Max. DIN IEC Style 442	mm					
Α	A072D1DSR0-2R	2R	63	70	190	- 100kA @ 7200V	65kA @ 7200V
Α	A072D1DSR0-3R	3R	90	100	225		
Α	A072D1DSR0-4R	4R	115	130	400		
Α	A072D1DSR0-5R	5R	135	150	540		
Α	A072D1DSR0-6R	6R	150	170	550		
Α	A072D1DSR0-9R	9R	180	200	780		
Α	A072D1DSR0-12R	12R	210	230	955		
Α	A072D1DSR0-13R	13R*	230	260	1050		
Α	A072D1DSR0-16R	16R*	270	300	1200		
Α	A072D1DSR0-19R	19R*	280	310	1280		

^{* 13}R, 16R and 19R are not standard ratings defined in ANSI C37.46.

^{**} This rating defines the thermal capability of the fuse per ANSI 37.46 and should not be the sole factor in fuse selection.

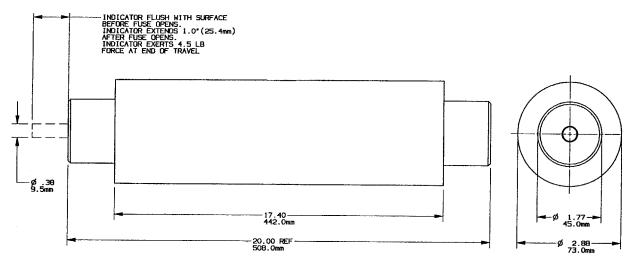


Figure A