

ANL non-time-delay low voltage limiter

RoHS



Catalog symbol:

- ANL(amp)

Description:

Non-time-delay low voltage limiter for use in isolating faults in battery operated systems.

Specifications:

Ratings

- Volts 80Vdc or less
- Amps 35-750A
- IR 2700A

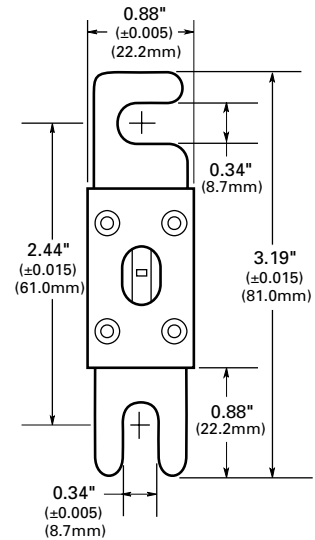
Agency information

- UL Recognized, Guide JFHR2, File E56412
- SAE J1171 ignition protected (35-500A)
- RoHS compliant

Catalog numbers (amps)

ANL-35	ANL-150	ANL-350
ANL-40	ANL-175	ANL-400
ANL-50	ANL-200	ANL-500
ANL-60	ANL-225	ANL-600
ANL-80	ANL-250	ANL-675
ANL-100	ANL-275	ANL-750
ANL-125	ANL-300	
ANL-130	ANL-325	

Dimensions - in (mm):



Features:

- Element visible through clear window to easily identify open status

Recommended fuse blocks*:

Description	Catalog number
1-pole open stud terminal block with nylon inserted locknuts	4164
1-pole open stud terminal block with standard hex nuts	4164-FR

* Blocks rated to 80Vdc and 800 amps.

Size

- 3.38" long, 0.95" wide, 1.62" tall

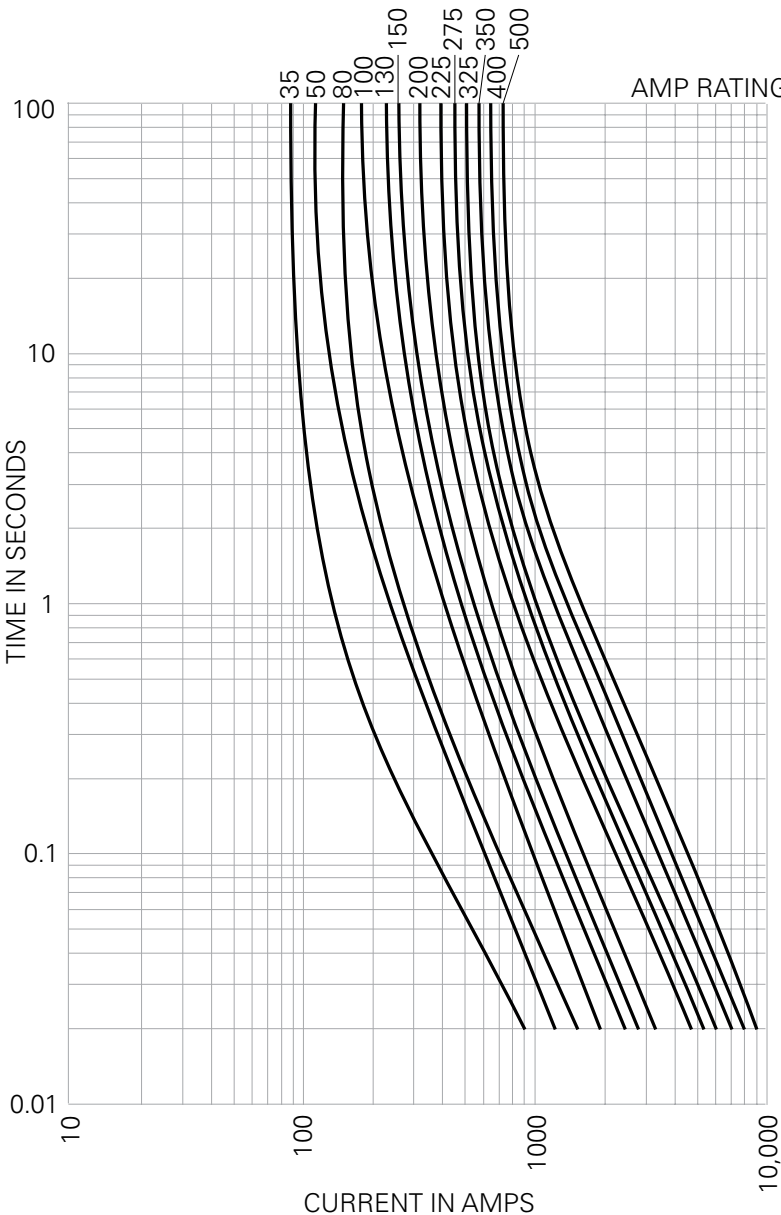
Stud centers

- 2.43"

EATON

Powering Business Worldwide

Time-current curves – average melt:



The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
Eaton.com

Bussmann Division
114 Old State Road
Ellisville, MO 63021
United States
Eaton.com/bussmannseries

© 2015 Eaton
All Rights Reserved
Printed in USA
Publication No. 2024 — BU-MC15053
December 2015

Eaton and Bussmann are valuable trademarks of Eaton in the U.S. and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.

UL is a registered trademark of the Underwriters Laboratories, Inc.

For Eaton's Bussmann series product information, call 1-855-287-7626 or visit: Eaton.com/bussmannseries

Follow us on social media to get the latest product and support information.



ANL/ANN limiters

Circuit limiters typically used in fork lifts, marine, aviation and battery charging systems. ANL limiters are fast-acting and ANN limiters are very fast-acting. Both ANL and ANN limiters measure 7/8" x 3-3/16" (22x81mm) with a depth that varies by amp rating.

Ratings

- Volts
 - ANL 80 Vdc
 - ANN 125 Vac, 80 Vdc
- Amps
 - ANL 35-750 A
 - ANN 10-800 A
- IR
 - ANL 2700 A @ 80 Vdc
 - ANN 2500 A @ 125 Vac, 2700 A @ 80 Vdc



Fast-acting ANL



Very fast-acting ANN

Agency information

- ANL: UL Recognized, CSA Certified, 35-750 A @ 80 Vdc, IR 2700 A, Guide JFHR2, File E56412, Class 1422-30, File 53787, SAE J1171
- ANN: UL Recognized, CSA Certified 35-400 A @ 125 Vac, IR 2500 A and 500 A @ 80 Vdc, IR 2700 A, Guide JFHR2, File E56412, Class 1422-30, File 53787, CE for 35-400 A

4164 and 4164-FR limiter blocks

Limiter fuse blocks for ANL and ANN. 4164 is furnished with nylon inserted locknuts and 4164-FR is furnished with standard hex nuts.



4164



4164-FR

Dimensions

- L 3.38" x W 0.95" x H 1.62"
- Studs center-to-center 2.43"

Ratings

- Volts 125 Vac, 80 Vdc, 32 Vdc (self certified)
- Amps 10-800 A
- Poles single, stud terminal

Data sheet no. 2133

Catalog no. (amps)

Fast-acting ANL

ANL-35	ANL-125	ANL-250	ANL-500
ANL-40	ANL-130	ANL-275	ANL-600
ANL-50	ANL-150	ANL-300	ANL-675
ANL-60	ANL-175	ANL-325	ANL-750
ANL-80	ANL-200	ANL-350	
ANL-100	ANL-225	ANL-400	

Very fast-acting ANN

ANN-10	ANN-90	ANN-225	ANN-400
ANN-35	ANN-100	ANN-250	ANN-500
ANN-40	ANN-125	ANN-275	ANN-600
ANN-50	ANN-150	ANN-300	ANN-700
ANN-60	ANN-175	ANN-325	ANN-800
ANN-80	ANN-200	ANN-350	

Features

- Fast-acting sizing for inductive circuits (ANL)
- Very fast-acting circuit protection (ANN)
- Element viewing window shows limiter status at a glance