

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 0AKRBK300-BB
Manufacturer: Bel Fuse Inc.
Package: Rectangular, Blade
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bel-fuse-inc/0akrbk300-bb.html>

Request a Quote:

[Submit RFQ for this part](#)



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Contact Information

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Type 0AKR

500VDC, DC Fuses

0AKR Series

RoHS Compliant

Description

500VDC rated ceramic tube fuse

Features

- Excellent DC performance
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863

Applications

EV/HEV Applications



UK
CA CE

Physical Specifications

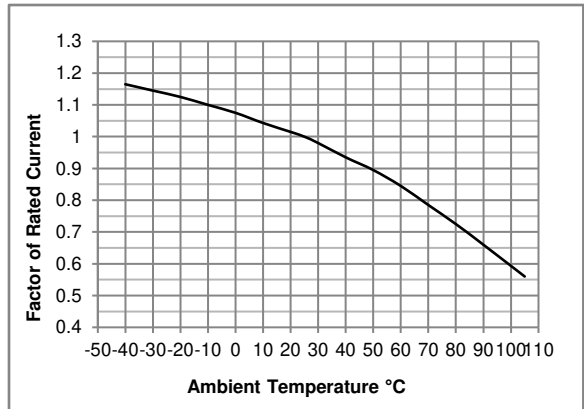
Materials	Body : Ceramic
	Terminals : Tin Plated Copper
Marking	On Fuse :
	"bel", "0AKR"
	"Current Rating", "Voltage Rating"
	On Label :
	"bel", "0AKRX", "Current Rating", "Voltage Rating", "Interrupting Rating", and "RoHS" (China RoHS compliant).

Ratings

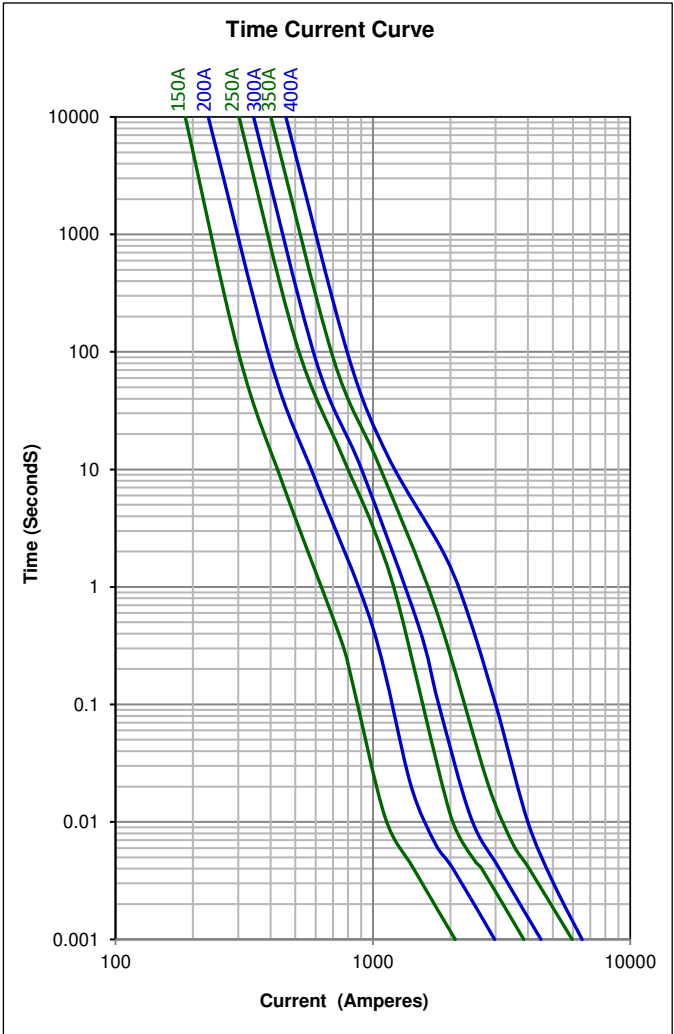
Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
150A-400A / 500V DC	150A-400A / 500V @ 50kA DC L/R: 2+/-0.5ms
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)	

Temperature Derating Curve

Operating Temperature: -40°C to +105°C,
with proper derating factor applied



Average Time Current Curve



Electrical Specifications

Part Number	Rated Current	Voltage and Interrupting Ratings	I ² t (A ² sec)		Power Loss @ 0.5In (W)
			Pre-arcing	Total @ 500Vdc	
0AKRxK150-xx	150A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	4300	12470	3.55
0AKRxK200-xx	200A		9150	31100	4.75
0AKRxK250-xx	250A		15200	45600	5.5
0AKRxK300-xx	300A		20500	67500	7.1
0AKRxK350-xx	350A		32600	107580	7.85
0AKRxK400-xx	400A		42250	148000	9.8

Consult manufacturer for other ratings

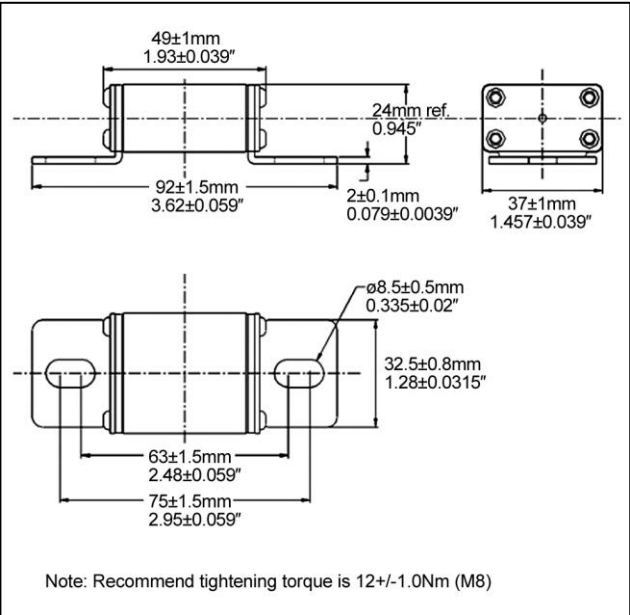
*Temperature Rise : <=50K with 50% of rated current

Type 0AKR

Fuse FGNO Explanation
0AKR X [XXXX] -XX
0AKRB=0AKRB; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Amps	Bel FGNO[XXXX]
150A	K150
200A	K200
250A	K250
300A	K300
350A	K350
400A	K400

Mechanical Dimensions



Ordering Information

0AKR X XXXX - X X

FUSE TYPE 0AKR

MOUNTING TAB STYLE B = For Stud Mount, Bottom blade

AMPERE RATING Refer to fuse FGNO explanation table

PACKAGING CODE B = Bulk

QUANTITY CODE B = 3pcs/inner box, 105pcs/shipping carton

Packaging

Packaging Option	Quantity	Packaging Code
Bulk	3pcs/inner box, 105pcs/shipping carton	BB