

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 0AKSBK450-BA
Manufacturer: Bel Fuse Inc.
Package: Rectangular, Blade
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bel-fuse-inc/0aksbk450-ba.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

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 0AKS

500VDC Fuse for EV/HEV

0AKS Series

RoHS Compliant

Description

DC fuse for EV/HEV

Features

- Excellent DC performance
- Stud-mount, optional for other installation
- Designed to EV fuse standard UL248-20
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Reliability performance design refers to ISO8820-8&GB/T31465.6

Applications

EV or HEV application



UK
CA CE

Physical Specifications

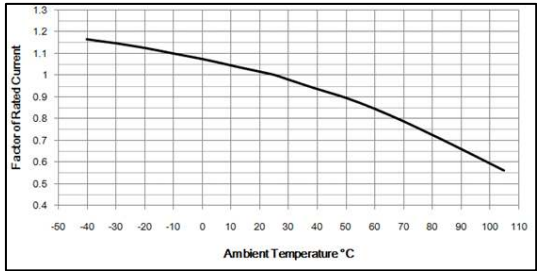
Materials	Body : Ceramic
	Terminals : Tin Plated Copper
Marking	On Fuse :
	"bel", "0AKS",
	"Current Rating", "Voltage Rating", "Interrupting Rating"
	On Label :
	"bel", "0AKSB", "Current Rating", "Voltage Rating", "Interrupting Rating", and "  ", "  "(China RoHS compliant)."

Ratings

Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
400A-500A / 500V DC	400A-500A / 500V @ 50kA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)	

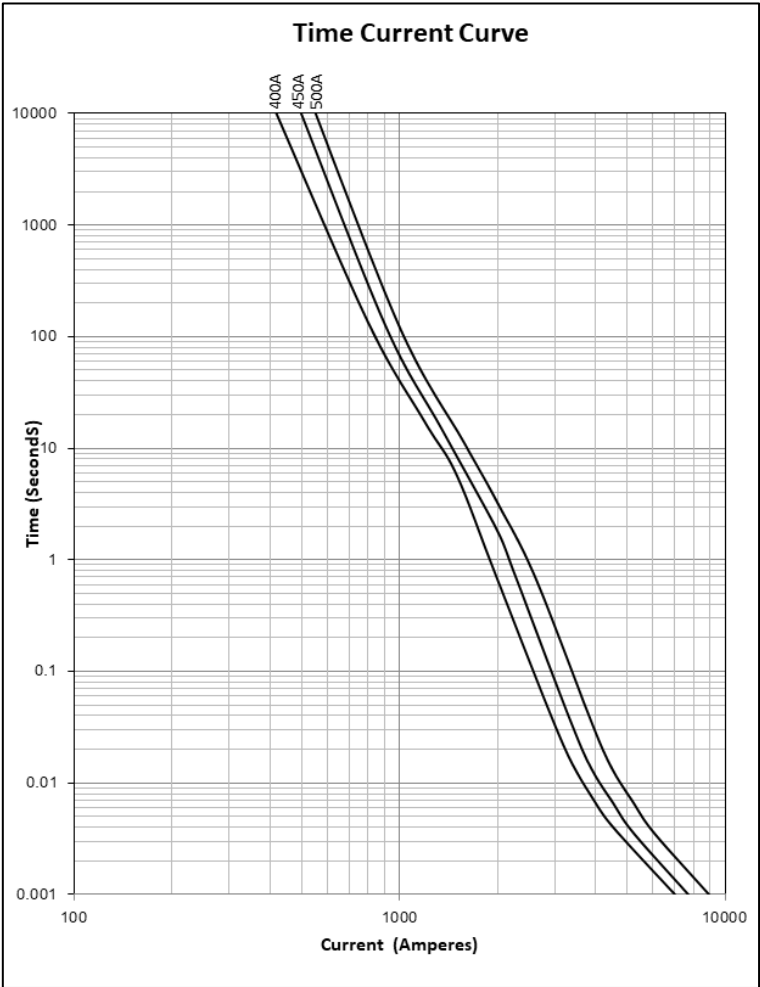
Temperature Re-Rating Curve

Normal Operating Temperature: 25°C ± 2°C
Operating Temperature: -40°C to 105°C with proper correction factor applied.
Chart of correction factor



Storage Temperature: -40°C to 105°C

Average Time Current Curve



Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Power Loss 0.5I _n (W)	Typical Pre - Arcing I ² t (A² Sec)	Total Clearing I ² t
0AKSBK400-BA	400A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	10.6	41000	168100
0AKSBK450-BA	450A		11.5	50600	207500
0AKSBK500-BA	500A		12.2	59000	265000

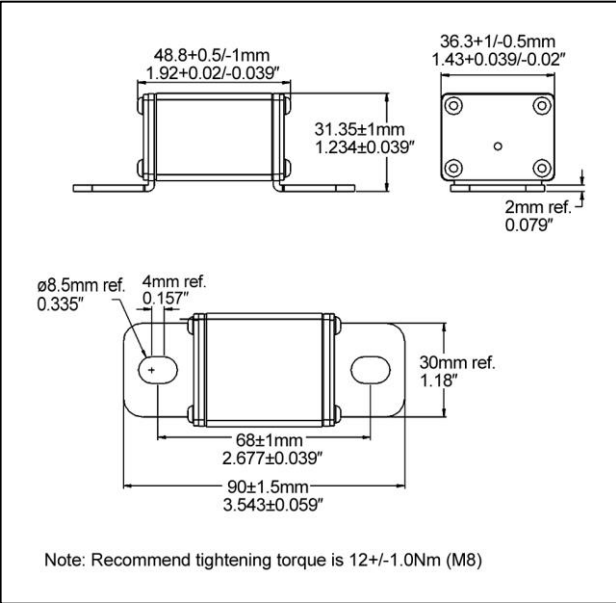
Consult manufacturer for other ratings

Type 0AKS

Fuse FGNO Explanation
0AKSB=0AKSB; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Amps	Bel FGNO[XXXX]
400	K400
450	K450
500	K500

Mechanical Dimensions



Ordering Information

0AKS X XXXX - X X

FUSE TYPE _____
0AKS

MOUNTING TAB STYLE _____
B-For Stud Mount Bottom blade

AMPERE RATING _____
Refer to fuse FGNO explanation table

PACKAGING CODE _____
B = Bulk

QUANTITY CODE _____
A = 60pcs/carton

Packaging

Packaging Option	Quantity	Packaging Code
Bulk	60pcs/carton	BA