



# 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

### Physical Specifications

Materials	Body : Ceramic Terminals : Tin Plated Copper
Marking	On Fuse : "bel", "0AKS", "Current Rating", "Voltage Rating", "Interrupting Rating" On Label : "bel", "0AKSX", "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)



**bel**  
POWER  
SOLUTIONS &  
PROTECTION  
a bel group

Specifications subject to change without notice

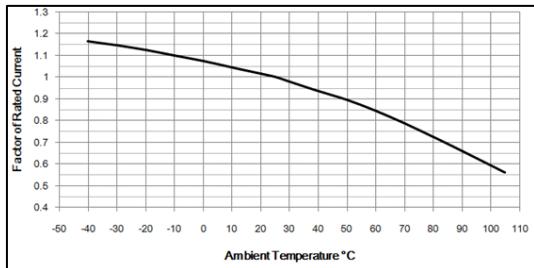
[belfuse.com/circuit-protection](http://belfuse.com/circuit-protection)

## Temperature Re-Rating Curve

Normal Operating Temperature:  $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$

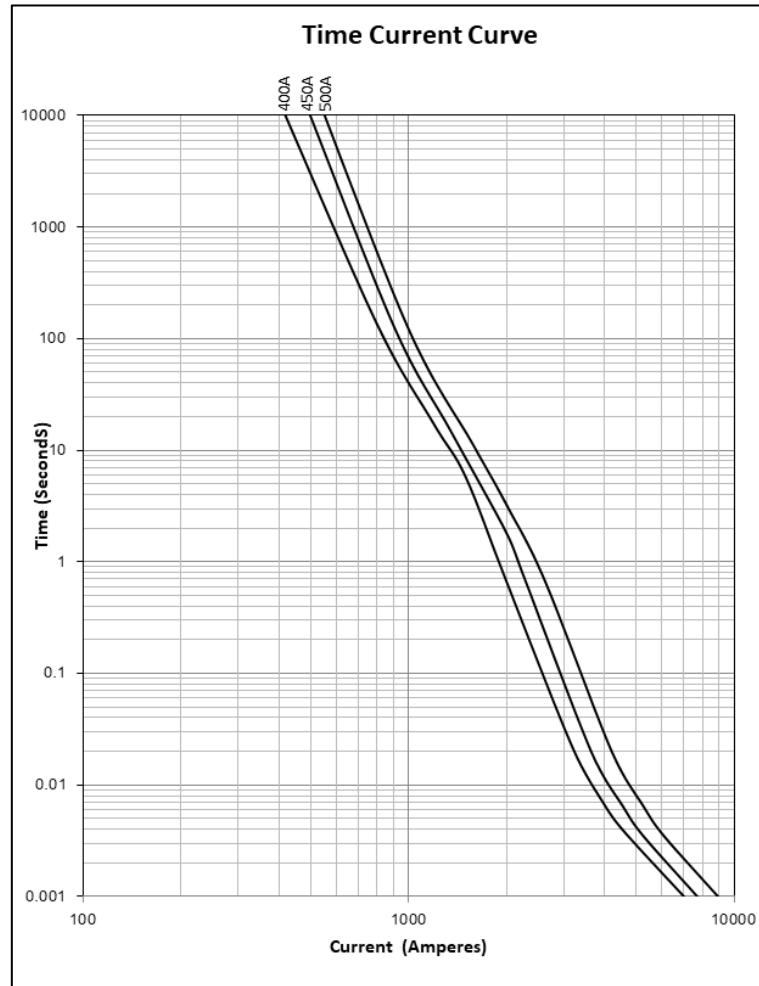
Operating Temperature:  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$  with proper correction factor applied.

Chart of correction factor



Storage Temperature:  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$

## Average Time Current Curve



## Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Power Loss $0.5\ln(0.5)$ (W)
0AKSXK400-XX	400A		10.6
0AKSXK450-XX	450A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	11.5
0AKSXK500-XX	500A		12.2

Consult manufacturer for other ratings

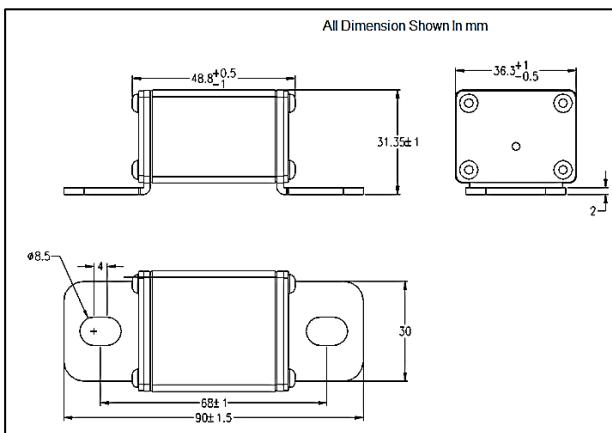
## Fuse FGNO Explanation

**0AKS X [XXXX] -XX**

**0AKSB=0AKS; [XXXX]=Ampere Rating; XX=See Ordering Information as below**

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

## Mechanical Dimensions



Note: Recommend tightening torque is 12+/-1.0Nm (M8)

## Ordering Information

0AKS X XXXX - XX	
FUSE TYPE	_____
OAKS	
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/box	

## Packaging

Packaging Option	Quantity	Packaging Code
Bulk	60pcs/box	BA

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0AKSBK400-BA](#) [0AKSBK450-BA](#) [0AKSBK500-BA](#)