

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

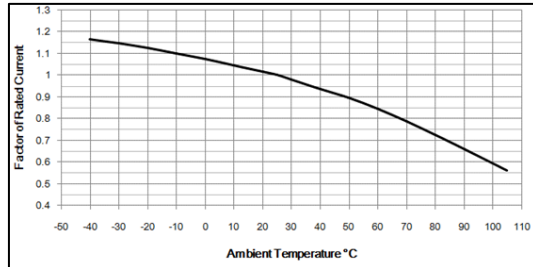
Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
400A-500A / 500V DC	400A-500A / 500V @ 50kA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)	

Temperature Re-Rating Curve

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

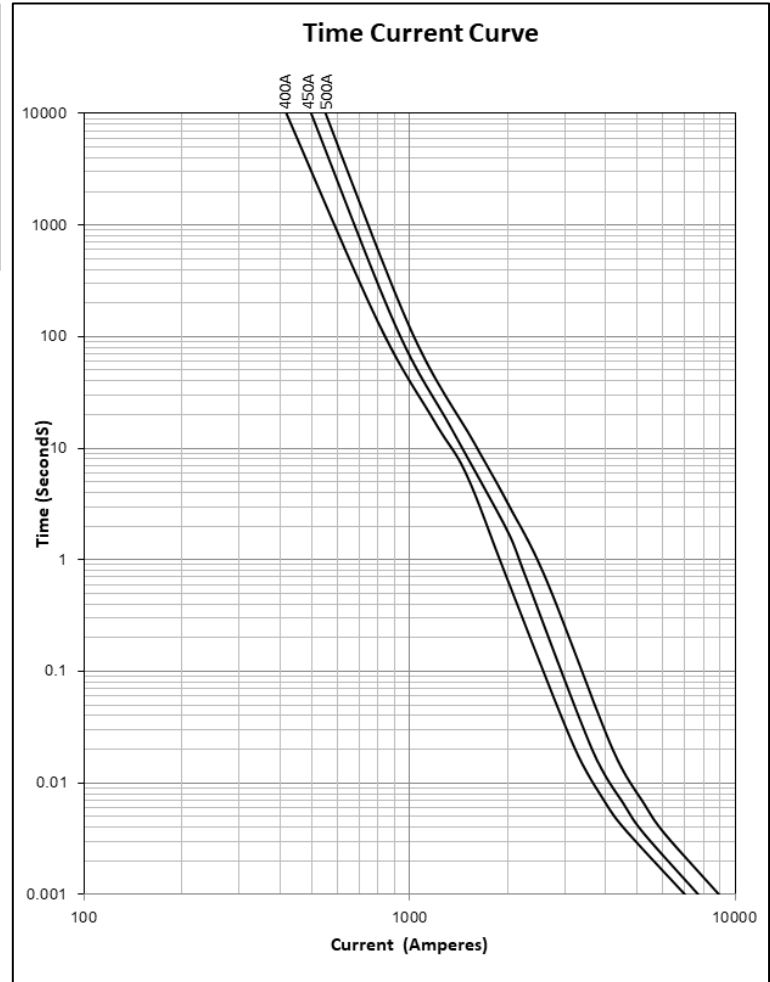
Operating Temperature: -40°C to 105°C with proper correction factor applied.

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 0.5In (W)
0AKSXX400-XX	400A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	10.6
0AKSXX450-XX	450A		11.5
0AKSXX500-XX	500A		12.2

Consult manufacturer for other ratings

Type 0AKS

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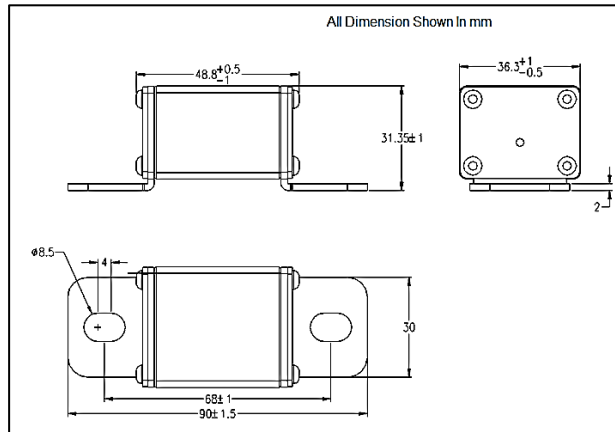
Fuse FGNO Explanation

0AKS X [XXXX] -XX

0AKSB=0AKSB; [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 - 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/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](#)