

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

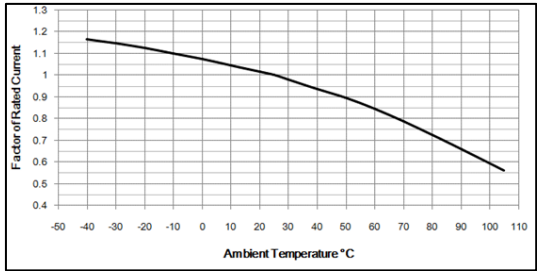
| | |
|-----------|---|
| Materials | Body : Ceramic |
| | Terminals : Tin Plated Copper |
| Marking | On Fuse : |
| | "bel", "0AKS", |
| | "Current Rating", "Voltage Rating", "Interrupting Rating" |
| | On Label : |
| | "bel", "0AKSB", "Current Rating", "Voltage Rating", "Interrupting Rating", and "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

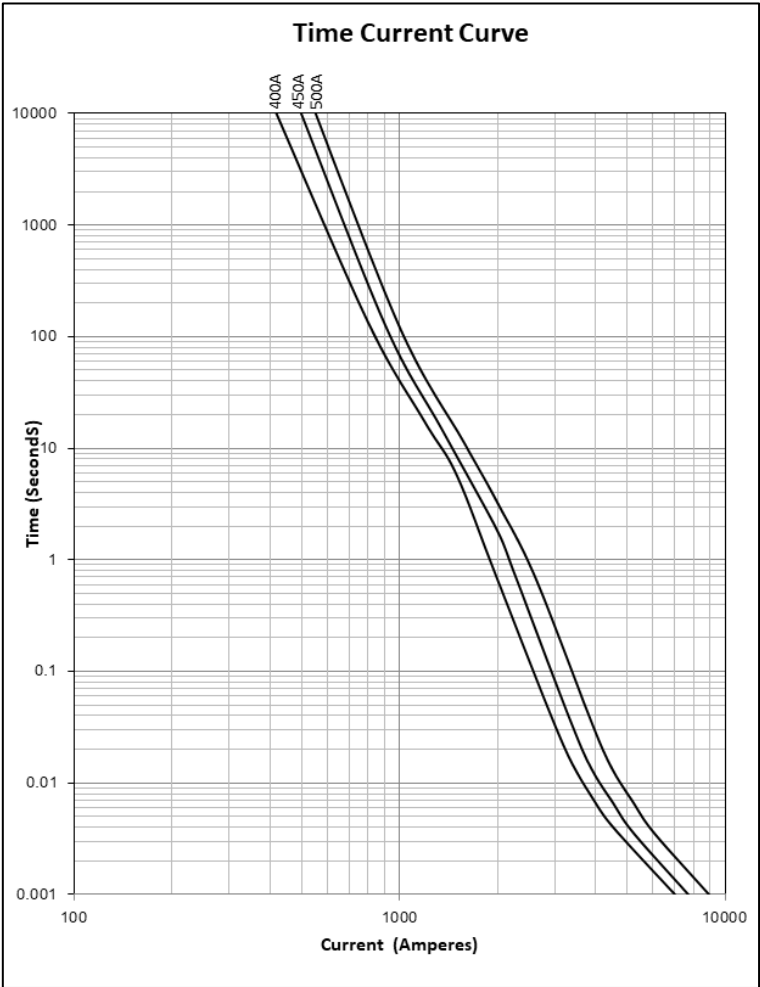
Temperature Re-Rating Curve

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 0.5In (W) |
|--------------|---------------|--|----------------------------|
| 0AKSBK400-BA | 400A | See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings | 10.6 |
| 0AKSBK450-BA | 450A | | 11.5 |
| 0AKSBK500-BA | 500A | | 12.2 |

Consult manufacturer for other ratings

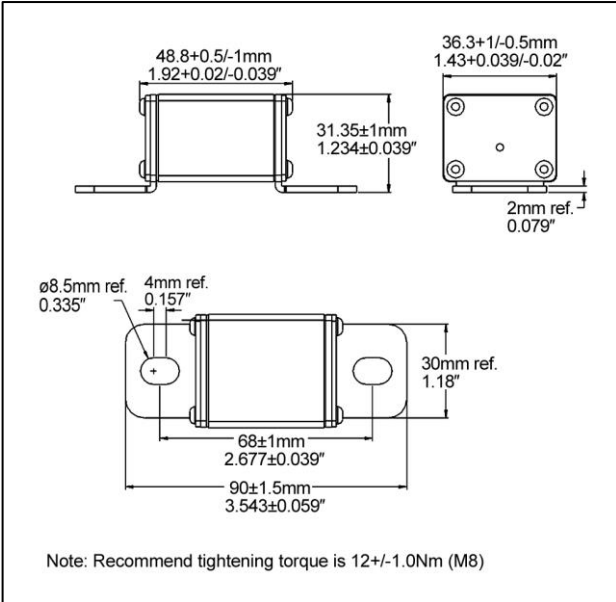
Type 0AKS

3 / 3

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 |