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

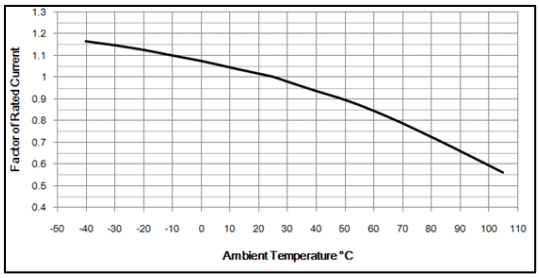
Materials	Body : Ceramic
	Terminals : Tin Plated Copper
Marking	On Fuse :
	“bel”,“0AKS”,
	“Current Rating”, “Voltage Rating”, "Interrupting Rating"
	On Label :
	"bel", "0AKSB", "Current Rating", "Voltage Rating", "Interrupting Rating", and " ", " "(China RoHS compliant).

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)	

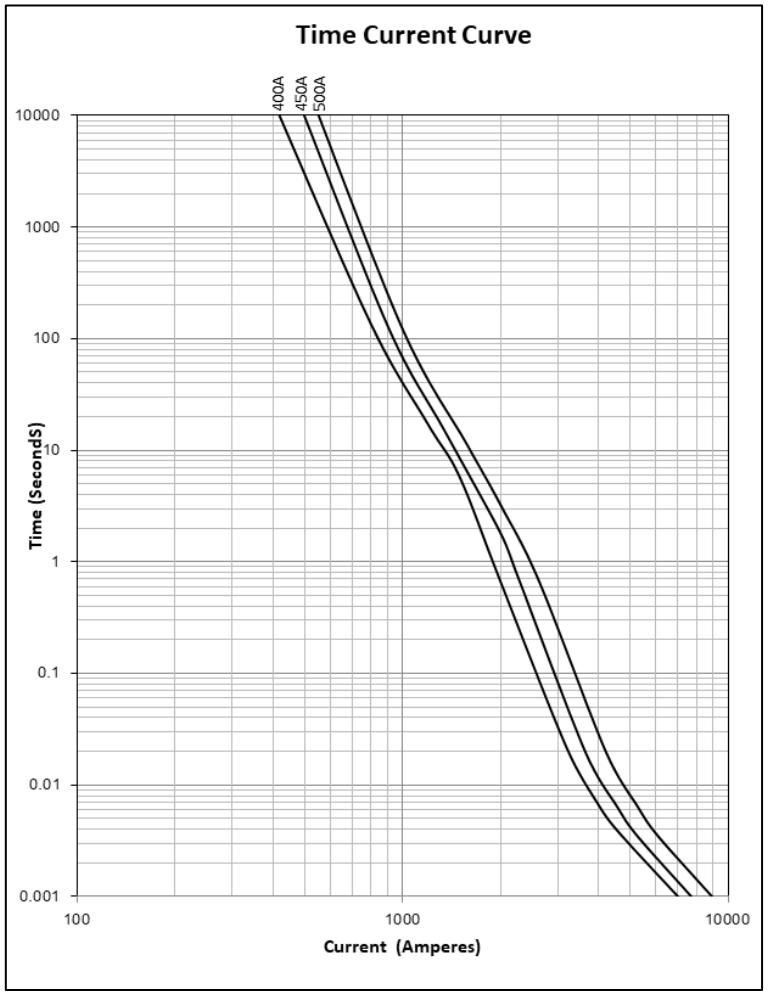
Temperature Re-Rating Curve

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



Storage Temperature: -40℃ to 105℃

Average Time Current Curve



Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Power Loss 0.5In (W)	Typical Pre－Arcing I²t (A² Sec)	Total Clearing I²t
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

Bel Fuse Inc.
300 Executive Drive, Suite 300,
West Orange, NJ 07052 USA

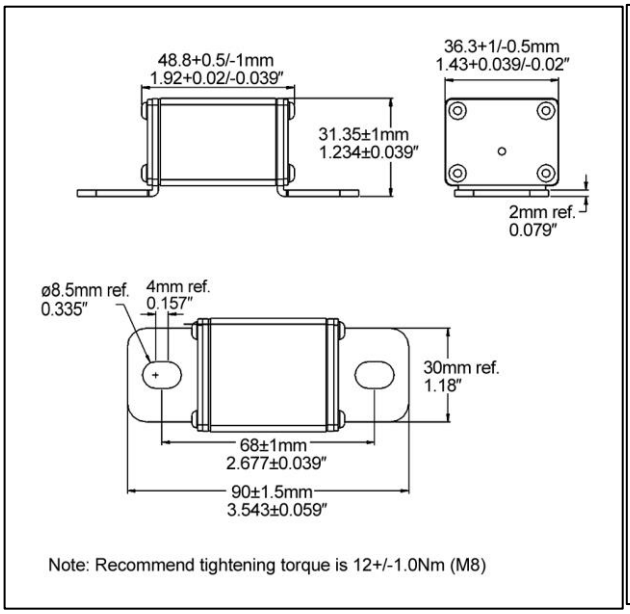
+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

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

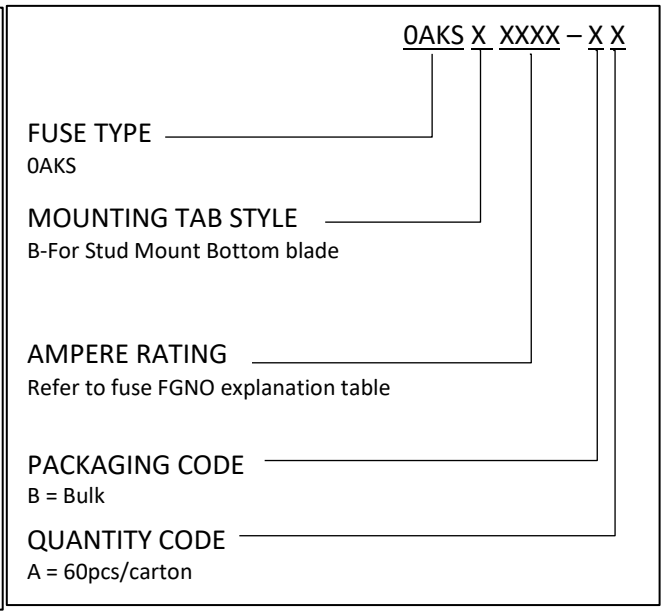
Amps	Bel FGNO[XXXX]
400	K400
450	K450
500	K500

Mechanical Dimensions



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

Ordering Information



Packaging

Packaging Option	Quantity	Packaging Code
Bulk	60pcs/carton	BA

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West Orange, NJ 07052 USA

+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

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