

# Type 0AKM

## Electric Vehicle Auxiliary Fuses

0AKM Series

RoHS Compliant

### Description

500VDC rated ceramic tube fuse

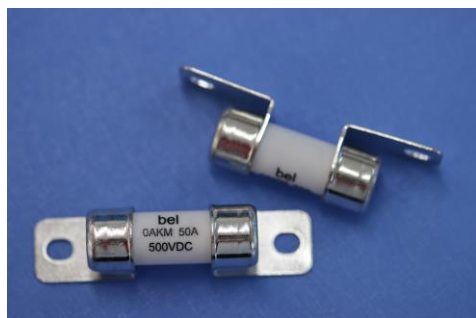
### Features



- Design to EV fuse standard UL248-20
- Reliability performance design refer to ISO8820-8&GB/T31465.6
- Excellent DC performance
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863

### Applications

EV/HEV/ESS Applications

### Physical Specifications



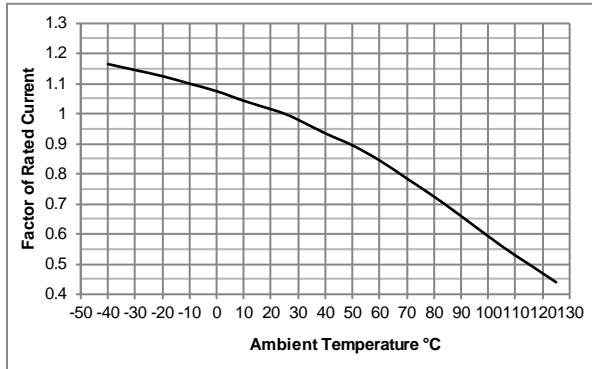
Materials	Body : Ceramic
	Terminals : Tin Plated Copper
Marking	On Fuse :
	"bel", "0AKM"
	"Current Rating", "Voltage Rating"
	On Label :
	"bel", "0AKMX", "Current Rating", "Voltage Rating", "Interrupting Rating", and "  ", "  "(China RoHS compliant).

### Ratings

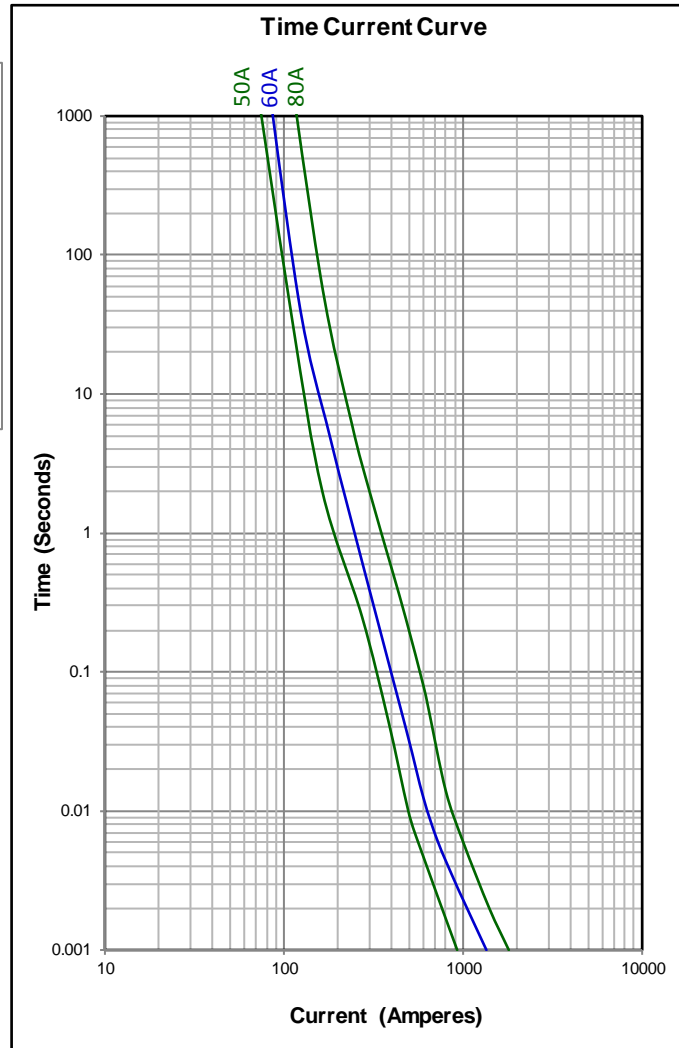
Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
50A-80A / 500V DC	50A-80A / 500V @ 20kA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)	

## Temperature Derating Curve

Operating Temperature: -40°C to +125°C,  
with proper derating factor applied



## Average Time Current Curve



## Electrical Specifications

Part Number	Rated Current	Voltage and Interrupting Ratings	$I^2t^*$ (A <sup>2</sup> sec)	Power Loss@0.5In (W)
			Pre-arcing	
0AKMx9500-xx	50A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	1760	1.35
0AKMx9600-xx	60A		3960	1.70
0AKMx9800-xx	80A		8020	1.90

Consult manufacturer for other ratings  
\*  $I^2t$  is measured with 10In.

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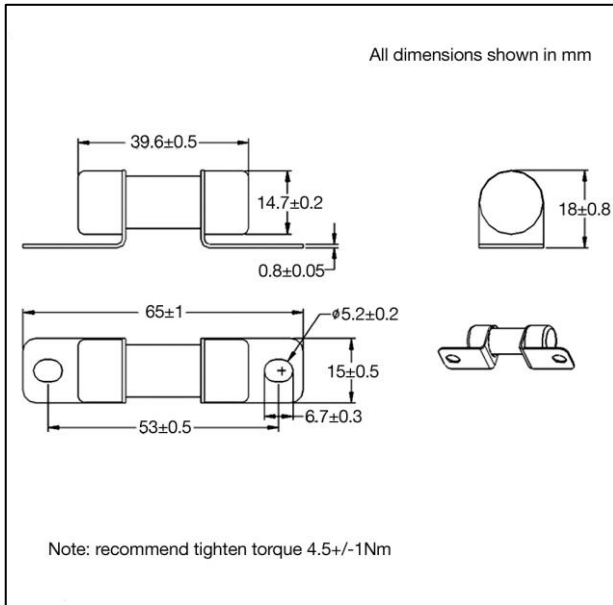
## Fuse FGNO Explanation

0AKM X [XXXX] -XX

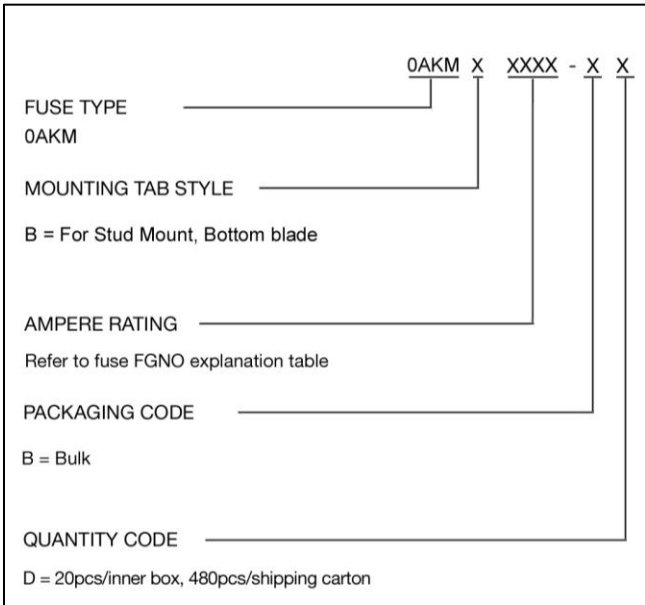
0AKMB=0AKMB; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Amps	Bel FGNO[XXXX]
50A	9500
60A	9600
80A	9800

## Mechanical Dimensions



## Ordering Information



## Packaging

Packaging Option	Quantity	Packaging Code
Bulk	20pcs/inner box, 480pcs/shipping carton	BD

# Mouser Electronics

Authorized Distributor

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

Bel:

[0AKMB9500-BD](#) [0AKMB9600-BD](#) [0AKMB9800-BD](#)