

# Type 0ALB

## 800VDC, DC Fuse for EV/HEV

0ALB Series

RoHS Compliant

### Description

DC fuse for EV/HEV

### Features

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

### Applications

EV or HEV application



UK  
CPA CE

### Physical Specifications

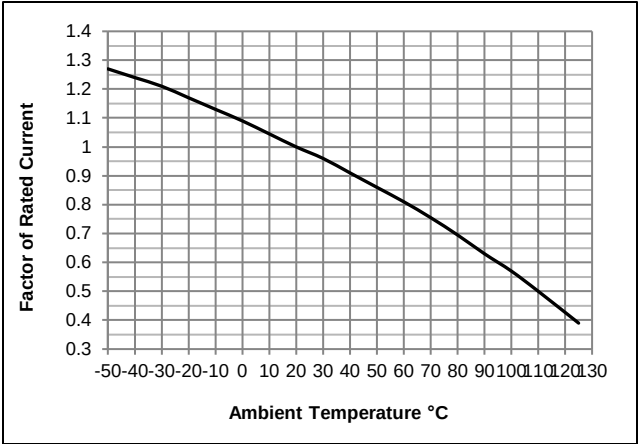
|           |                                                                                                                                                                                                                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Materials | Body : Ceramic                                                                                                                                                                                                                                                                                                          |
|           | Terminals : Tin Plated Copper                                                                                                                                                                                                                                                                                           |
| Marking   | On Fuse :                                                                                                                                                                                                                                                                                                               |
|           | "bel", "0ALB",                                                                                                                                                                                                                                                                                                          |
|           | "Current Rating", "Voltage Rating", "Interrupting Rating"                                                                                                                                                                                                                                                               |
|           | On Label :                                                                                                                                                                                                                                                                                                              |
|           | "bel", "0ALBX", "Current Rating", "Voltage Rating", "Interrupting Rating",<br>"Appropriate Safety Logos" and "  , "  "(China RoHS compliant). |

### Ratings

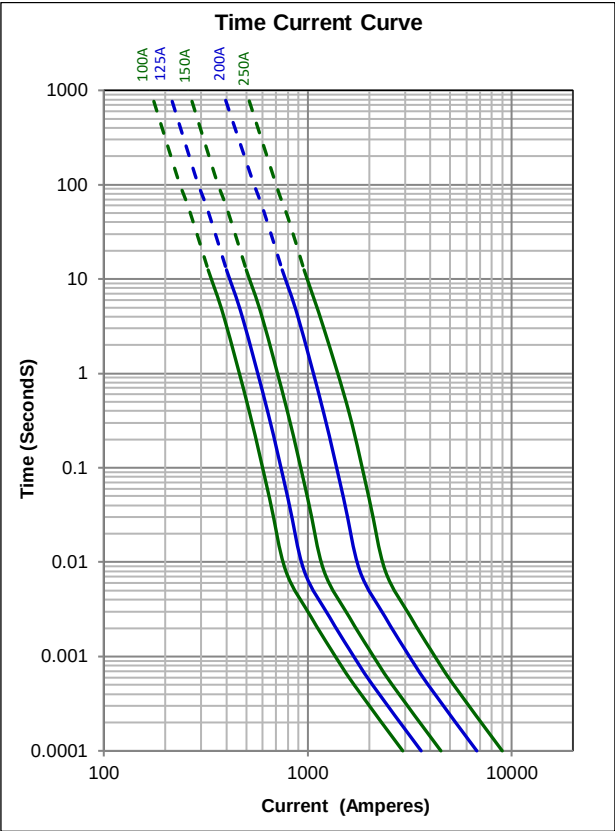
| Ampere Rating / Voltage Rating                          | Ampere Range / Volt<br>@ I.R. ability* |
|---------------------------------------------------------|----------------------------------------|
| 100A-250A / 800V DC                                     | 100A-250A / 800V @ 50kA DC             |
| *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  | Ampere Rating | Voltage and Interrupting Ratings                                               | Typical I <sup>2</sup> t (A <sup>2</sup> sec) |               | Power Loss (W) |
|--------------|---------------|--------------------------------------------------------------------------------|-----------------------------------------------|---------------|----------------|
|              |               |                                                                                | Pre-arcing                                    | Total @800Vdc |                |
| 0ALBxK100-xx | 100A          | See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings | 990                                           | 5,120         | 21             |
| 0ALBxK125-xx | 125A          |                                                                                | 1,650                                         | 8,910         | 23             |
| 0ALBxK150-xx | 150A          |                                                                                | 2,750                                         | 16,500        | 25             |
| 0ALBxK200-xx | 200A          |                                                                                | 6,200                                         | 41,500        | 30             |
| 0ALBxK250-xx | 250A          |                                                                                | 11,000                                        | 75,000        | 37             |

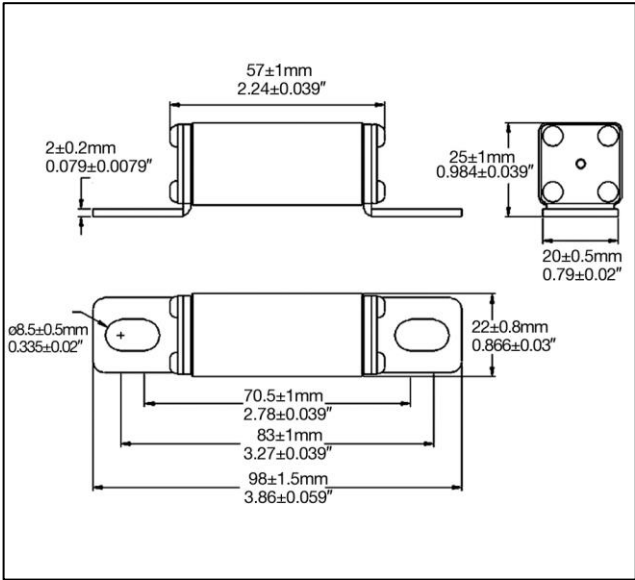
Consult manufacturer for other ratings

# Type 0ALB

Fuse FGNO Explanation  
0ALB X [XXXX] -XX  
0ALBB=0ALBB; [XXXX]=Ampere Rating; XX=See Ordering Information as below

| Amps | Bel FGNO[XXXX] |
|------|----------------|
| 100  | K100           |
| 125  | K125           |
| 150  | K150           |
| 200  | K200           |
| 250  | K250           |

## Mechanical Dimensions



## Ordering Information

**0ALB B XXXX - B B**

FUSE TYPE \_\_\_\_\_  
0ALB

MOUNTING TAB STYLE \_\_\_\_\_  
B = For Stud Mount, Bottom blade

AMPERE RATING \_\_\_\_\_  
Refer to fuse FGNO explanation table

MOUNTING TAB CODE \_\_\_\_\_  
B = Bulk

QUANTITY CODE \_\_\_\_\_  
B = 10pcs/Carton, 18 cartons/Box (180pcs per Box)

## Packaging

| Packaging Option | Quantity                                     | Packaging Code |
|------------------|----------------------------------------------|----------------|
| Bulk             | 10pcs/carton, 18cartons/box (180pcs per box) | BB             |

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