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



Physical Specifications

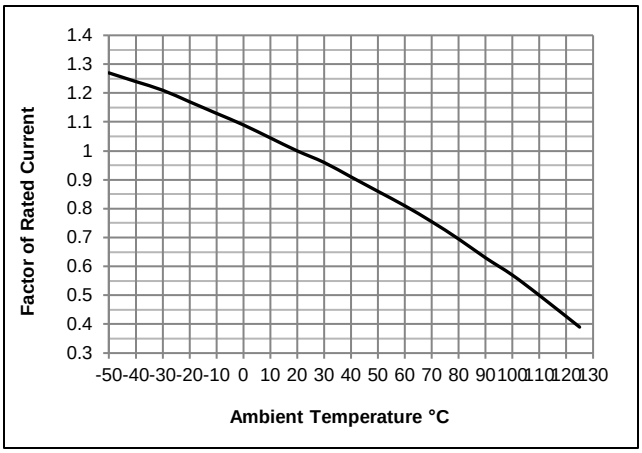
Materials	Body : Ceramic
	Terminals : Tin Plated Copper
Marking	On Fuse :
	“bel”,“0ALB”,
	“Current Rating”, “Voltage Rating”, "Interrupting Rating"
	On Label :
	"bel", "0ALBX", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and " ", " "(China RoHS compliant).

Ratings

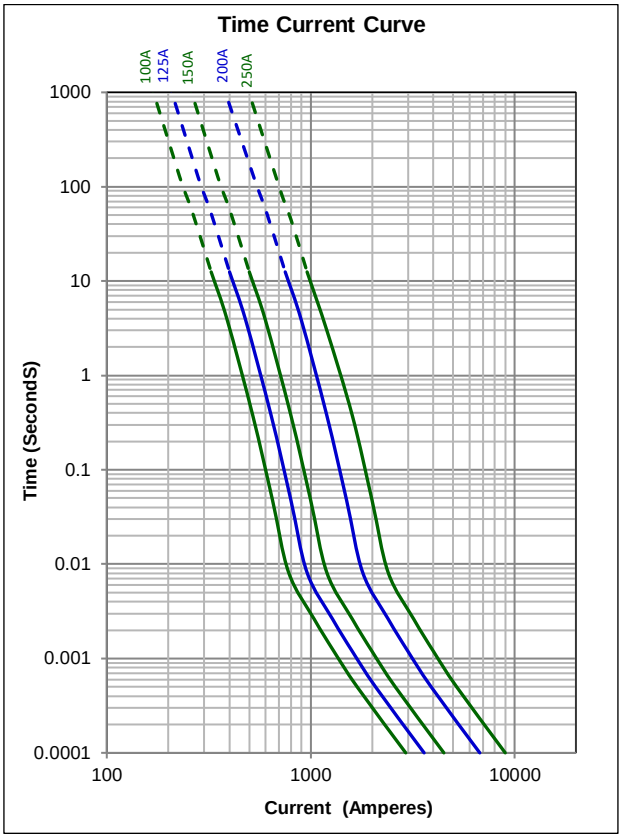
Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
100A-250A / 800V DC	100A-250A / 800V @ 50kA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)	

Temperature Rerating Curve

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



Average Time Current Curve



Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Typical I²t (A²sec)		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

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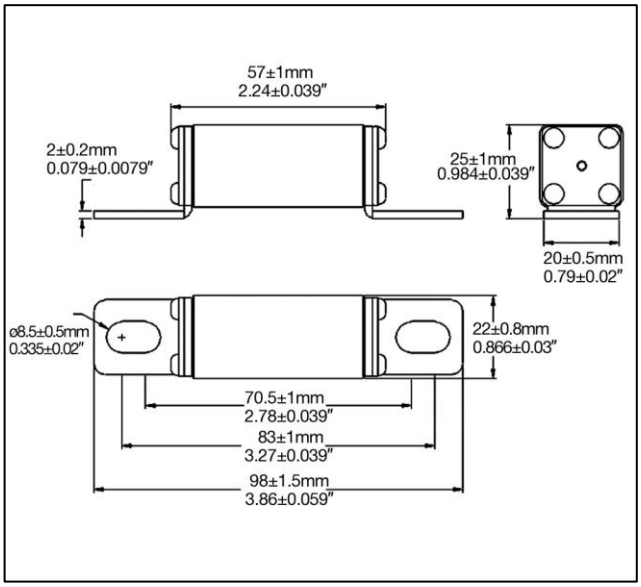
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Fuse FGNO Explanation
0ALB X [XXXX] -XX
0ALBB=0ALBB; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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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