

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: 0AKK-K100-BB
Manufacturer: Bel Fuse Inc.
Package: Rectangular, Blade
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/bel-fuse-inc/0akk-k100-bb.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

Contact Information

Email: info@antrexco.com

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Type 0AKK

Electric Vehicle Power Fuses

0AKK Series

RoHS Compliant

Description

1000 VDC rated ceramic tube fuse

Features

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

Applications

EV/HEV/ESS Application



UK
CA c us CE

Physical Specifications

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

Safety Agency Approvals

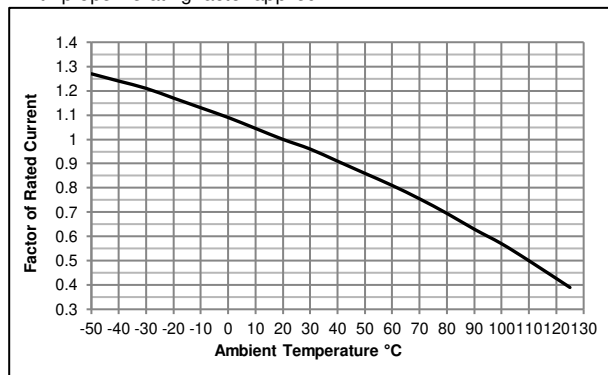
Safety Agency	Safety Agency Certificate	Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
	E491441	63A-350A / 1000V DC	63A-350A / 1000V @ 50kA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

Type 0AKK

2 / 3

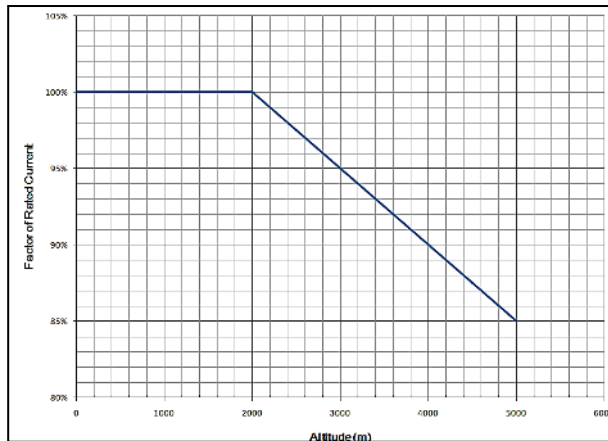
Temperature Re-Rating Curve

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

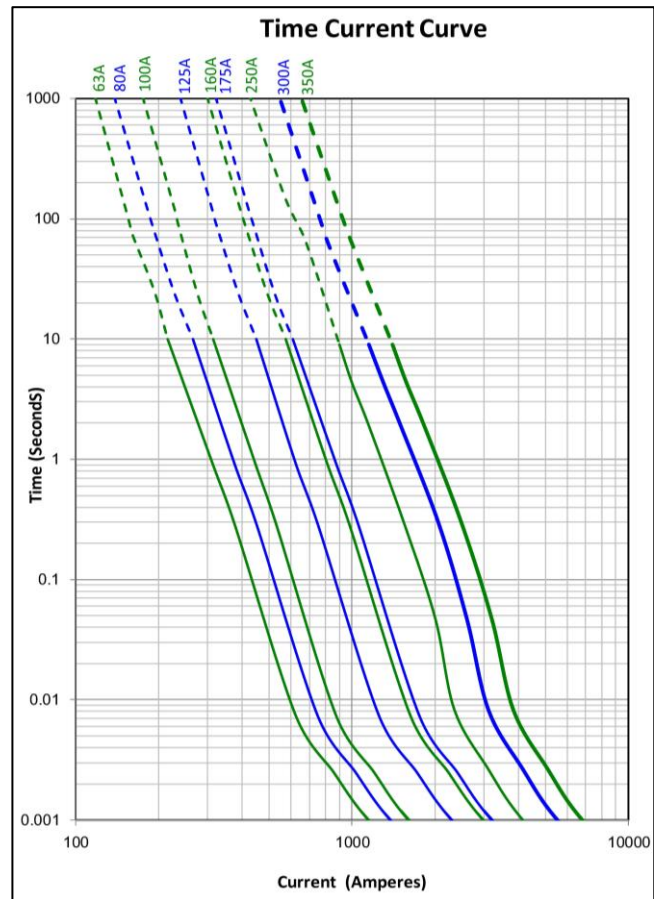


Re-rating with High altitude

The current load calculation formula of high altitude is:
 $I = I_n \cdot (1 - (h-2000)/100 \cdot (0.5/100))$, where h is the altitude and does not exceed 5000



Average Time Current Curve



Electrical Specifications

Part Number	Rated Current	Voltage and Interrupting Ratings	I²t (A²sec)		0.5In Power loss (W)	1.0In Power loss (W)	Agency Approvals
			Pre-arcing	Total @ 1000Vdc			
0AKK-9630-xx	63A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	720	4360	2.6	15.2	Y
0AKK-9800-xx	80A		1050	6710	3.2	18.6	Y
0AKK-K100-xx	100A		1560	10500	3.9	22.4	Y
0AKK-K125-xx	125A		3200	22600	4.5	25	Y
0AKK-K160-xx	160A		5400	43200	5.7	33.5	Y
0AKK-K175-xx	175A		6250	50000	6.9	41.4	Y
0AKK-K250-xx	250A		9600	43680	8.7	52	Y
0AKK-K300-xx	300A		17000	85000	9.8	59	Y
0AKK-K350-xx	350A		29000	158000	13	68	Y

Consult manufacturer for other ratings

*Temperature Rise: ≤50K with 50% of rated current



Specifications subject to change without notice

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302 USA

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

© 2023 Bel Fuse, Inc.

Rev. 0AKK Apr2023

Type 0AKK

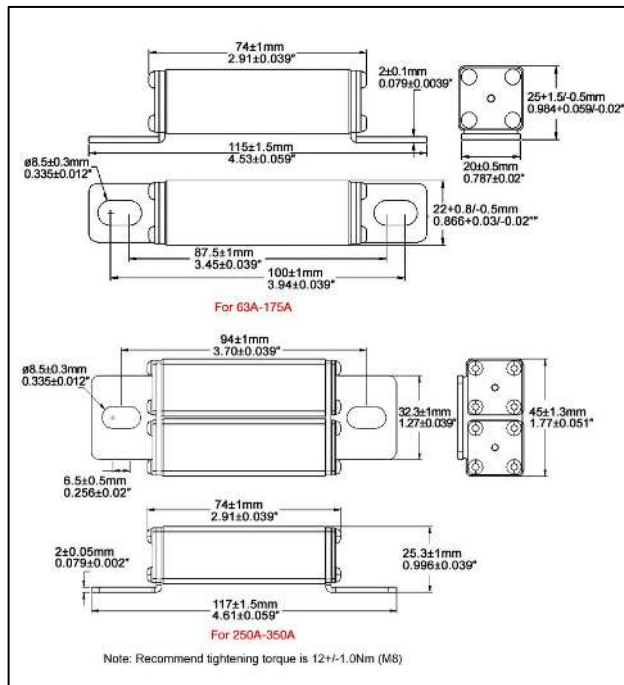
3 / 3

Fuse FGNO Explanation

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

Amps	Bel FGNO[XXXX]	Amps	Bel FGNO[XXXX]
63A	9630	175A	K175
80A	9800	250A	K250
100A	K100	300A	K300
125A	K125	350A	K350
160A	K160		

Mechanical Dimensions



Ordering Information

OAKK - XXXX - X X

FUSE TYPE _____
OAKK

AMPERE RATING _____
Refer to fuse FGNO explanation table

PACKAGING CODE _____
B = Bulk

QUANTITY CODE _____
B = 8pcs/inner box, 144pcs/shipping carton (for 63A-175A)
A = 4pcs/inner box, 72pcs/shipping carton (for 250A-350A)

Packaging

Packaging Option	Quantity	Packaging Code
Bulk (for 63A-175A)	8pcs/inner box, 144pcs/shipping carton	BB
Bulk (for 250A-350A)	4pcs/inner box, 72pcs/shipping carton	BA