Type 0ALF
Fast-Acting Fuse Series

0ALF Series   RoHS Compliant

Description

800VDC rated Square Body fuse, designed for EV/HV

Features

- 800Vdc ideal for EV/HV application
- Excellent DC performance
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
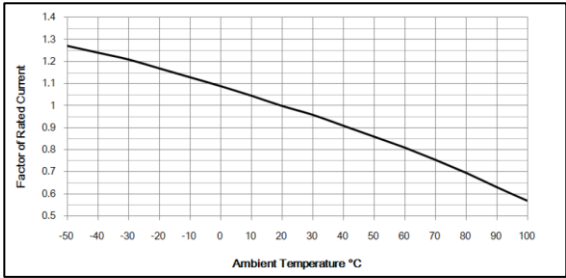
Applications

EV/HV Applications

Physical Specifications

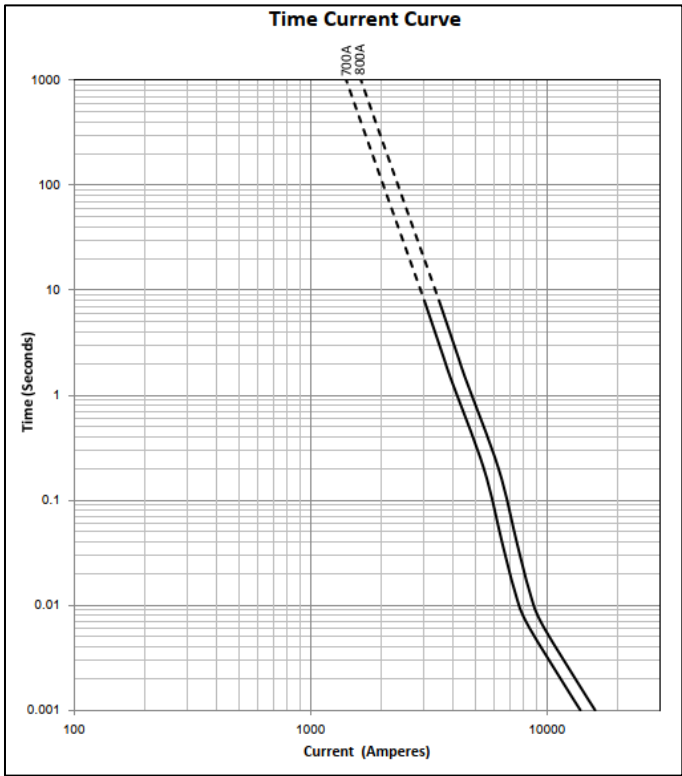| Materials	Body : Ceramic	
	Terminals : Tin Plated Copper	
Marking	On Fuse :	
	"bel","0ALF","Current Rating",	
	"Interrupting Rating", "Voltage Rating"	
	On Label :	
	"bel", "0ALFX", "Current Rating", "Voltage Rating", "Interrupting Rating", and " ✔ ", " ⊖ "(China RoHS compliant).	

Ratings

Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
700A - 800A / 800V DC	700A – 800A / 800V @ 50kA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)	

Specifications subject to change without notice

POWER SOLUTIONS & PROTECTION
a bel group

belfuse.com/circuit-protection

Temperature Re-Rating Curve

Average Time Current Curve

Electrical Specifications

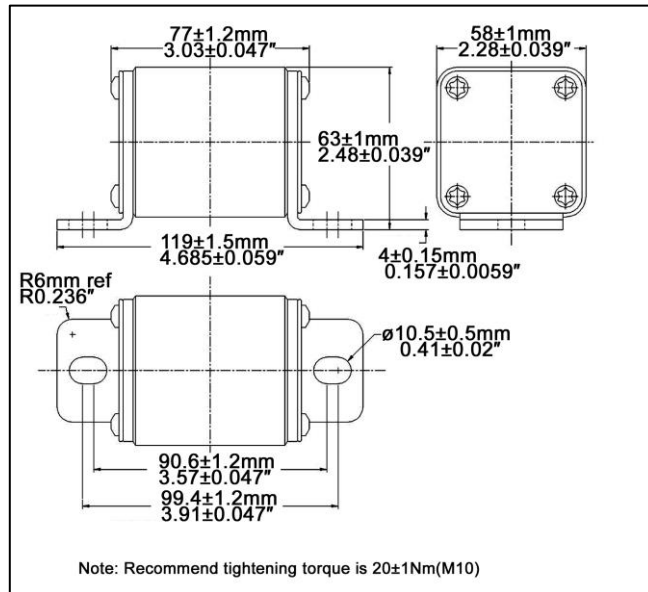| Part Number	Ampere Rating	Voltage and Interrupting Ratings	Pre-arcing I²t (A²sec)	Total I²t (A²sec)	0.5In Power loss(W)	1.0In Power loss(W)
0ALFxK700-xx	700A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	106280	611000	<22	126
0ALFxK800-xx	800A		141500	820000	<28	135

Consult manufacturer for other ratings
*Temperature Rise：<50K with 50% of rated current

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

Amps	Bel FGNO[XXXX]
700A	K700
800A	K800

Mechanical Dimensions

77±1.2mm
3.03±0.047"

58±1mm
2.28±0.039"

63±1mm
2.48±0.039"

119±1.5mm
4.685±0.059"

4±0.15mm
0.157±0.0059"

R6mm ref
R0.236"

ø10.5±0.5mm
0.41±0.02"

90.6±1.2mm
3.57±0.047"

99.4±1.2mm
3.91±0.047"

Note: Recommend tightening torque is 20±1Nm(M10)

Ordering Information

0ALF B XXXX – B A

FUSE TYPE
0ALF

MOUNTING TAB STYLE
B = For Stud Mount, Bottom blade

AMPERE RATING
Refer to fuse FGNO explanation table

MOUNTING TAB CODE
B = Bulk

QUANTITY CODE
A = 10pcs/Carton

Packaging

Packaging Option	Quantity	Packaging Code
Bulk	10pcs/carton	BA

Specifications subject to change without notice

Mouser Electronics

Authorized Distributor

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

[Bel](#):

[0ALFBK700-BA](#) [0ALFBK800-BA](#)