

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



UK
UK
CE

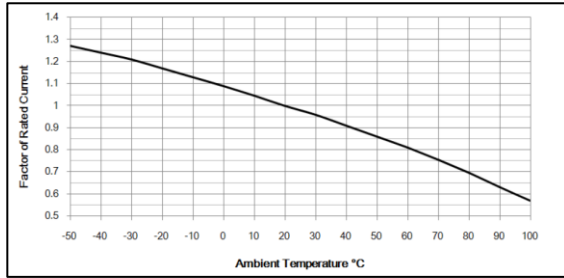
Physical Specifications

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 "RoHS", "CE" (China RoHS compliant).

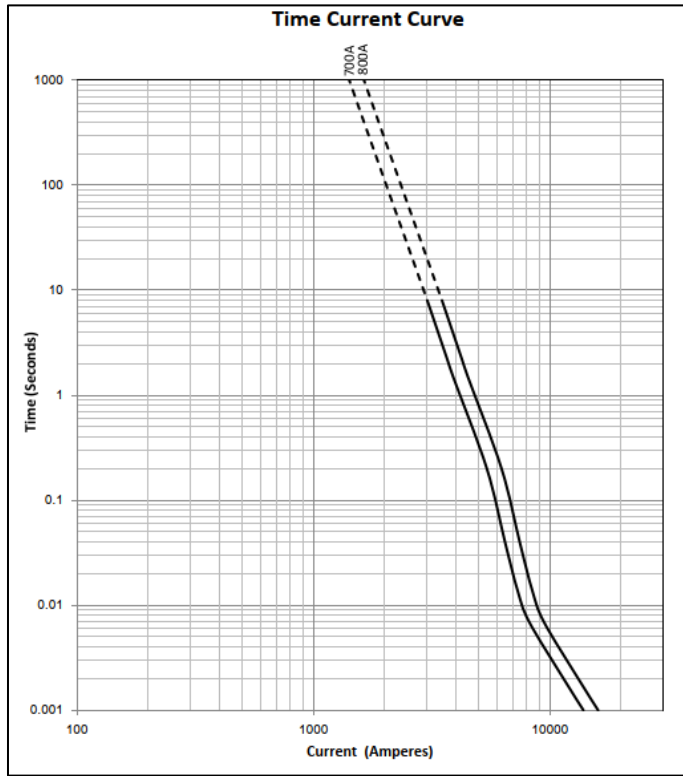
Ratings

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)	

Temperature Re-Rating Curve



Average Time Current Curve



Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Pre-arcing I ² t (A ² sec)	Total I ² t (A ² sec)	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



Specifications subject to change without notice

Bel Fuse Inc.
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 West Orange, NJ 07052 USA

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

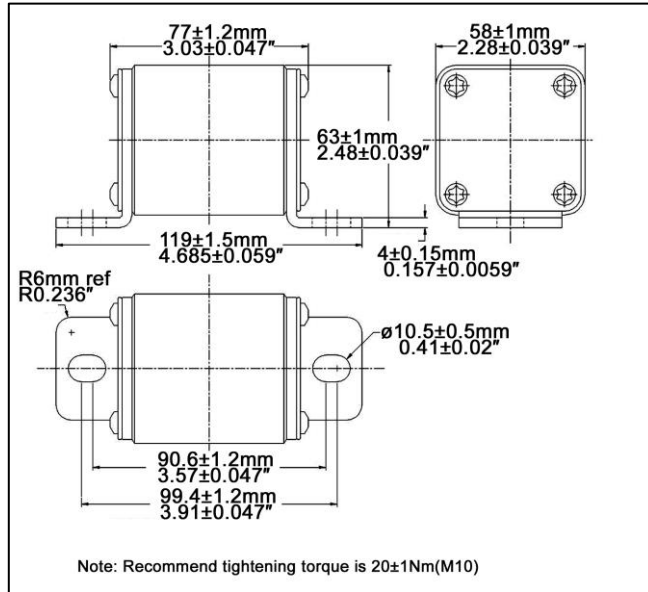
Fuse FGNO Explanation

0ALF X [XXXX] -XX

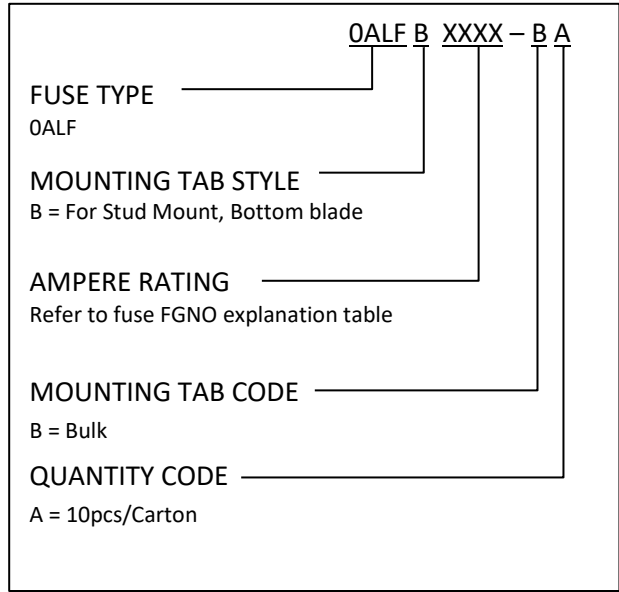
0ALFB=0ALFB; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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

Mechanical Dimensions



Ordering Information



Packaging

Packaging Option	Quantity	Packaging Code
Bulk	10pcs/carton	BA