

DRAFT

Type 0AAN High DC Voltage Fuse Series

0AAN Series

RoHS Compliant

Description

The 0AAN fuse is designed for the protection of high-voltage circuits in electric and hybrid electric vehicles..

Features

- 500Vdc ideal for EV or HEV application
- Excellent DC performance
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Stud mount

Applications

EV or HEV application



Physical Specifications

Materials	Body : Ceramic
	Cap : Tin Plated Brass Caps
	Terminals : Tin plated Copper
Marking	On Fuse :
	"bel"
	"0AAN", "Current Rating", "Voltage Rating", "Interrupting Rating"
	On Label :
	"bel", "0AAN", "Current Rating", "Voltage Rating", "Interrupting Rating", and "  ", "  "(China RoHS compliant).

Electrical Characteristics

Testing Current	Operating	
	Minimum	Maximum
200%	1 Sec	300 Sec
300%	0.2 Sec	30 Sec
500%	0.1 Sec	10 Sec

Ratings

Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
10A-150A / 500V DC	10A-100A/ 500V @ 20kA DC 125A-150A/ 500V @ 10kA DC

*I.R.= Interrupting Rating = Short Circuit Rating(Amps)

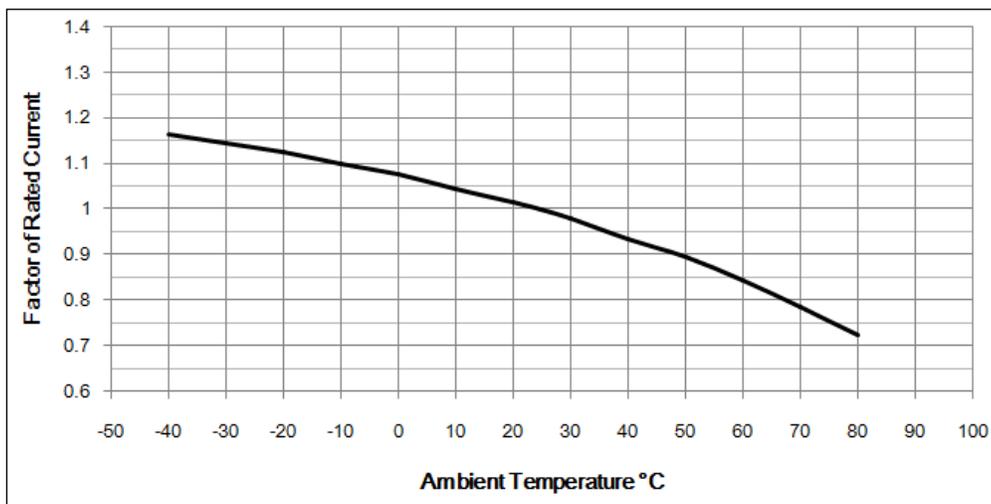
Electrical Specifications

Part Number	Ampere Rating	Voltage and Interrupting Ratings	Pre-arcing I ² t (A ² s)	Power Loss @1.0In (W)
0AANX9100-XX	10A	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	150	2.0
0AANX9150-XX	15A		330	4.5
0AANX9200-XX	20A		400	3.5
0AANX9250-XX	25A		625	4.6
0AANX9320-XX	32A		1000	4.9
0AANX9350-XX	35A		1300	6.7
0AANX9400-XX	40A		1600	5.5
0AANX9500-XX	50A		2500	7.7
0AANX9600-XX	60A		3500	8.0
0AANX9630-XX	63A		7100	8.1
0AANX9700-XX	70A		5500	10.5
0AANX9800-XX	80A		8000	12.0
0AANXK100-XX	100A		12000	14.0
0AANXK125-XX	125A		15500	17.2
0AANXK150-XX	150A		24700	24.8

Consult manufacturer for other ratings

Temperature Rise: <=45K with 50% of rated current

Temperature Re-Rating Curve

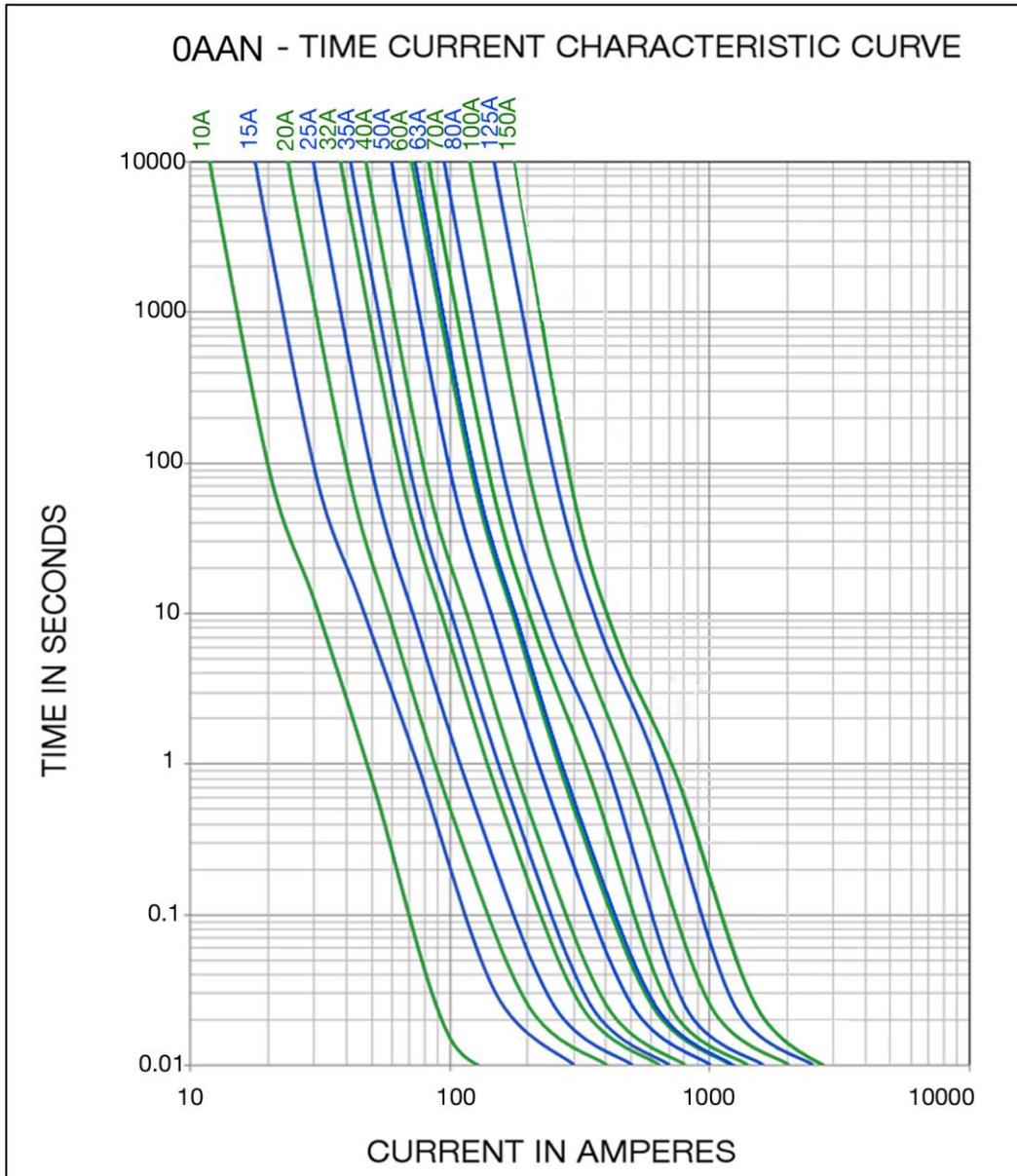


Specifications subject to change without notice

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belfuse.com/circuit-protection

Average Time Current Curve



Fuse FGNO Explanation

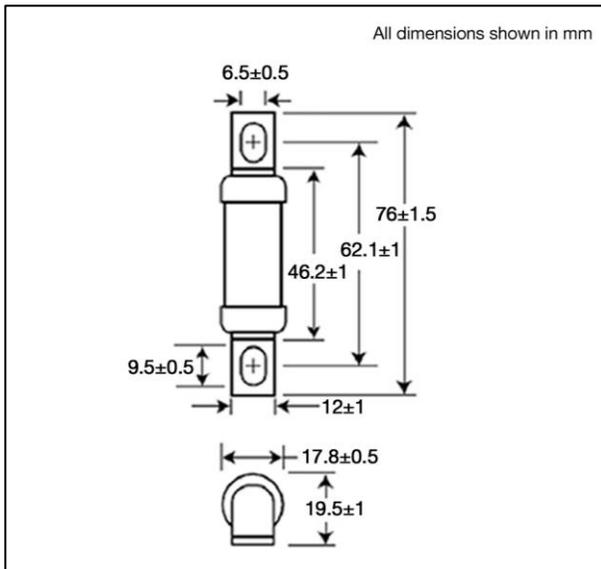
0AAN X [XXXX] - XX

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

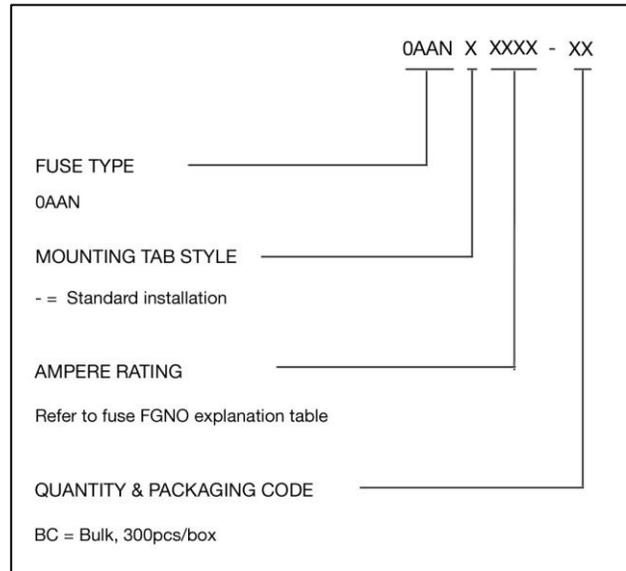
Amps	Bel FGNO[XXXX]
10	9100
15	9150
20	9200
25	9250
32	9320
35	9350
40	9400
50	9500
60	9600
63	9630

Amps	Bel FGNO[XXXX]
70	9700
80	9800
100	K100
125	K125
150	K150

Mechanical Dimensions



Ordering Information



Packaging

Packaging Option	Quantity	Packaging Code
Bulk (Standard installation)	300	BC

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