

# Type 0ADEC / 0ADEP

## Fast-Acting Fuse Series

**HF** **Pb** 0ADEC/0ADEP Series, 6x32mm Ceramic Tube Fast-Acting Fuse RoHS 2 Compliant

### Description

A 500 VAC/VDC rated ceramic tube cartridge fuse in a compact 6.3 x 32mm package,

### Features

- Fast-acting, high breaking capacity fuse
- Available in cartridge and pigtail axial lead
- Designed to UL 248-14
- RoHS 2 compliant
- Halogen Free
- Lead Free



### Applications

- Industrial Power Supplies
- DC/DC modules

LEAD FREE = **Pb**  
 HALOGEN FREE = **HF**



### Physical Specifications

Materials	Body : Ceramic
	Cap: Silver Plated Caps
	Pigtail Leads : Tin Plated Copper
Marking	On Fuse :
	"bel"
	"0ADE", "Current Rating", "Voltage Rating", "Appropriate Safety Logos"
	On Label :
	"bel", "0ADEC" or "0ADEP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "  ", "  "(China RoHS compliant).

### Electrical Characteristics

Testing Current	Opening Time Maximum
150%	30 minutes
200%	5 minutes
300%	10 seconds

### Safety Agency Approvals

Safety Agency	Safety Agency Certificate	Voltage Rating (V)	Ampere Range / Volt @ I.R. ability*
<b>UL US</b>	E20624	10A-30A/500V AC/DC	10A-30A/500V@30KA AC /500V@20KA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

## Environmental Specifications

Operating Temperature	-50°C to +105°C
Terminal Strength	MIL-STD-202G, Method 211 Test Condition A
Lead Solderability	MIL-STD-202, Method 208
Mechanical Vibration	MIL-STD-202, Method 201
Thermal Shock	MIL-STD-202, Method 107 Test Condition B ( 5 cycles -65°C to+125°C )
Humidity	MIL-STD-202, Method 103, Test Condition A ( 95%RH and 40°C for 240 hours )

## Electrical Specifications

Part Number	Ampere Rating	Typical Cold Resistance (mOhms)	Voltage and Interrupting Ratings	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)
0ADEC9100-XX	10A	17.1	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	100
0ADEP9100- XX				
0ADEC9120- XX	12A	12.3		140
0ADEP9120- XX				
0ADEC9150- XX	15A	8.0		66
0ADEP9150- XX				
0ADEC9160- XX	16A	8.0		62
0ADEP9160- XX				
0ADEC9200- XX	20A	5.5		120
0ADEP9200- XX				
0ADEC9250- XX	25A	4.6		200
0ADEP9250- XX				
0ADEC9300- XX	30A	3.7		270
0ADEP9300- XX				

Consult manufacturer for other ratings

\*DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

\*Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

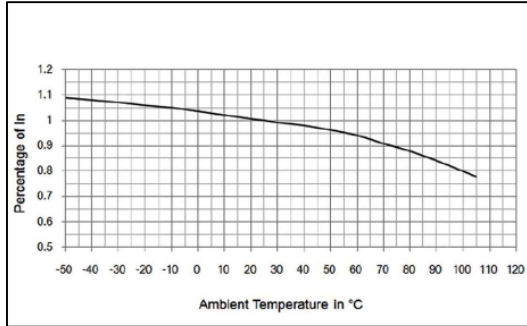


Specifications subject to change without notice

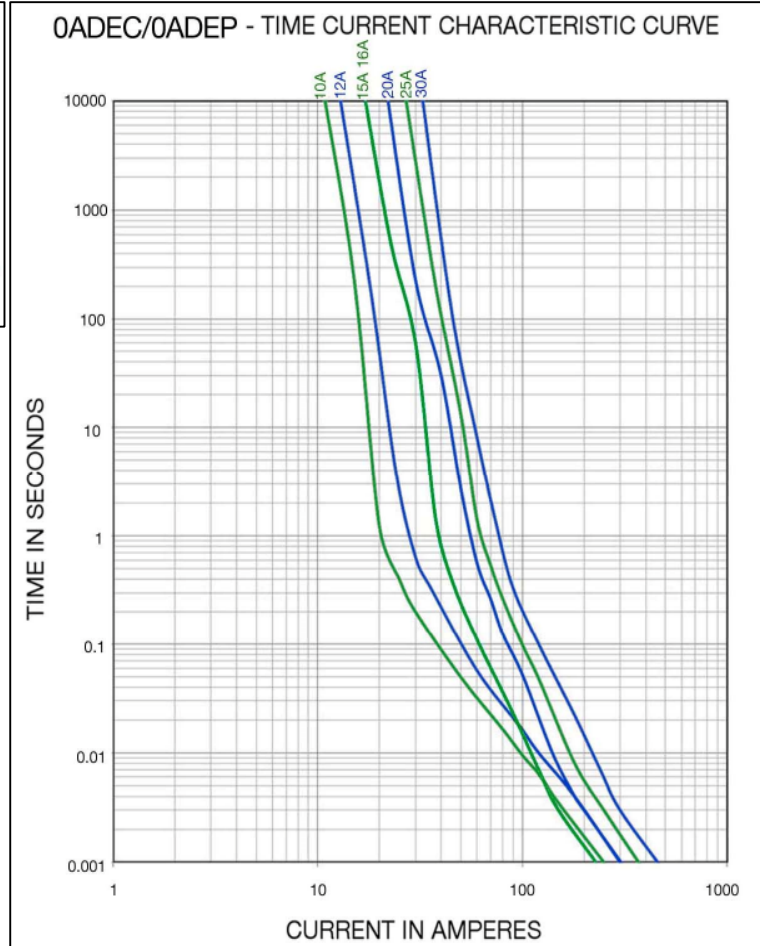
**Bel Fuse Inc.**  
206 Van Vorst Street  
Jersey City, NJ 07302 USA

+1 201.432.0463  
Bel.US.CS@belf.com  
[belfuse.com/circuit-protection](http://belfuse.com/circuit-protection)

## Temperature Re-Rating Curve



## Average Time Current Curve



## Soldering parameters for Pigtail Type

Wave Soldering Compatible: (260°C, 10 sec max)

Hand-Solder:

Solder Iron Temperature: (350°C +/- 5°C)

Heating Time: ( 5 sec max)



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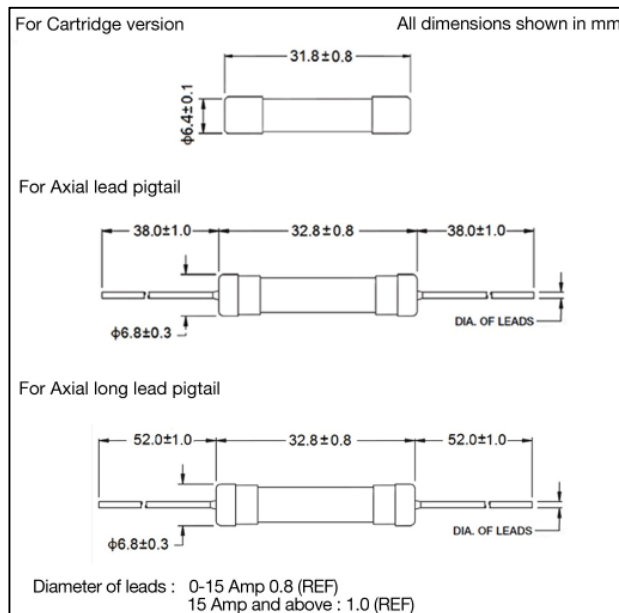
## Fuse FGNO Explanation

0ADE X [XXXX] -XX

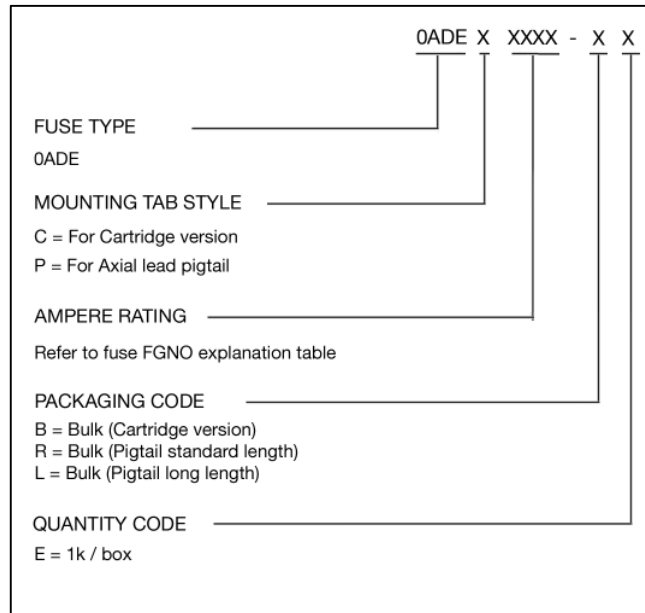
0ADEC/P=0ADEC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Amps	Bel FGNO[XXXX]
10	9100
12	9120
15	9150
16	9160
20	9200
25	9250
30	9300

## Mechanical Dimensions



## Ordering Information



## Packaging

Packaging Option	Quantity	Packaging Code
Bulk	1000	BE
Bulk (Pigtail standard length)	1000	RE
Bulk (Pigtail long length)	1000	LE



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