

# Type 0ADEC / 0ADEP

## Fast-Acting Fuse Series

**HF** **Pb** 0ADEC/0ADEP Series, 6x32mm Ceramic Tube Fast-Acting Fuse RoHS 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
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Halogen Free
- Lead Free

### Applications

- Industrial Power Supplies
- DC/DC modules

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



UK CA c **UL** US CE

### Physical Specifications

Materials	Body : Ceramic
	Cap: Silver Plated Caps Pigtail Leads : Tin Plated Copper
Marking	On Fuse :
	"bel"
	"0ADEC", "Current Rating", "Voltage Rating", "Appropriate Safety Logos"
	On Label :
	"bel", "0ADEC" or "0ADEP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and " <b>RoHS</b> ", " <b>CE</b> " (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	Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
<b>UL</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)	Total 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	135
0ADEP9100- XX					
0ADEC9120- XX	12A	12.3		140	180
0ADEP9120- XX					
0ADEC9150- XX	15A	8.0		66	155
0ADEP9150- XX					
0ADEC9160- XX	16A	8.0		62	150
0ADEP9160- XX					
0ADEC9200- XX	20A	5.5		120	280
0ADEP9200- XX					
0ADEC9250- XX	25A	4.6		200	470
0ADEP9250- XX					
0ADEC9300- XX	30A	3.7	270	630	
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

\*Total I<sup>2</sup>t are measured at 500V IR test

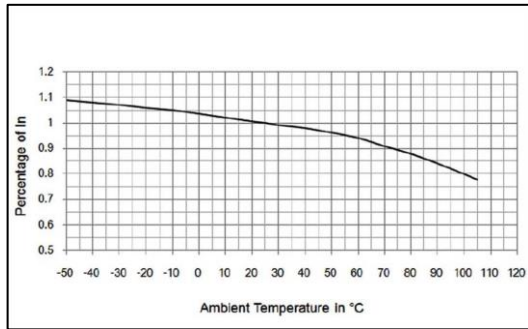


Specifications subject to change without notice

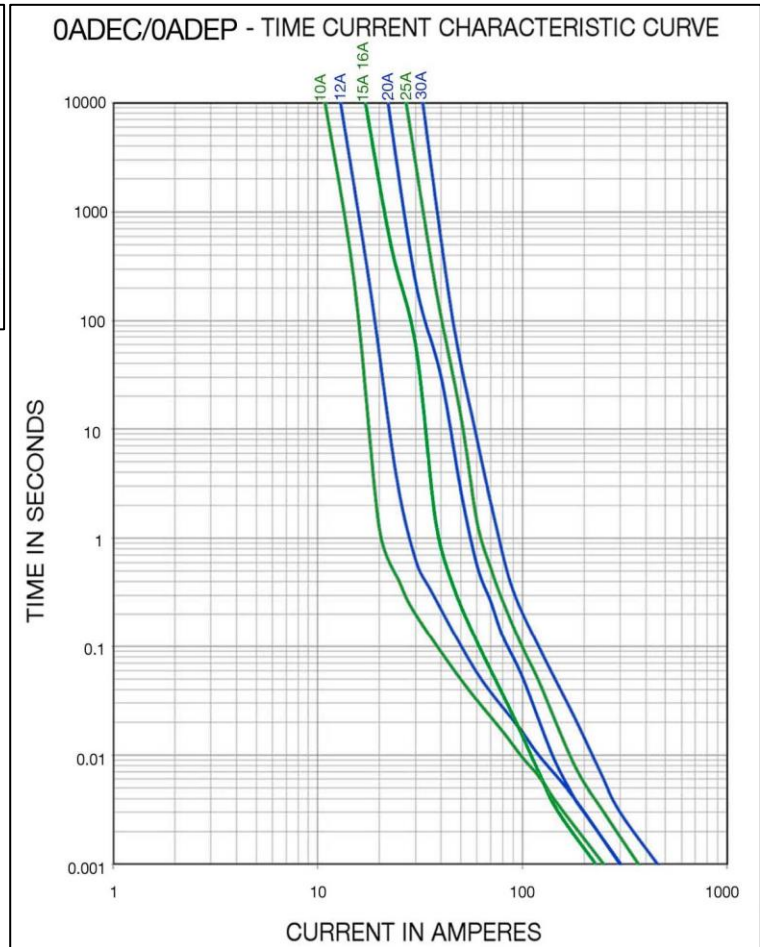
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## Temperature Re-Rating Curve



## 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)

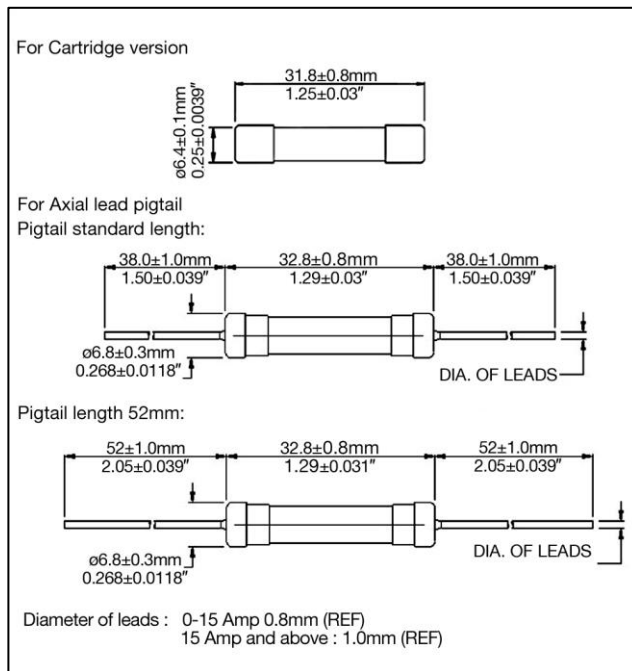
## Fuse FGNO Explanation

0ADE X [XXXX] -XX

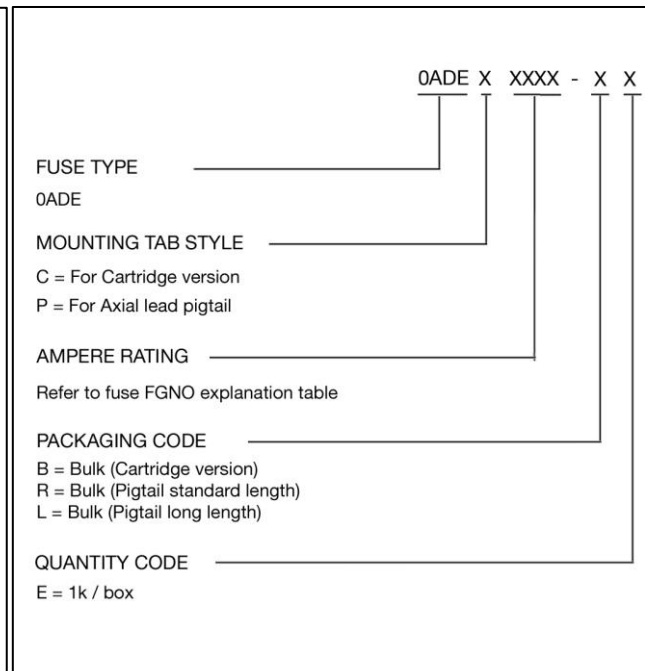
0ADEC/P=0ADEC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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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