

# Type 0ADEC / 0ADEP

## Fast Acting Fuse Series

HF <sup>Pb</sup> 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
- Meet Underwriters Laboratories Standard UL 248-14
- RoHS 2 compliant
- Halogen Free
- Leadfree

### Applications

- Industrial Power Supply
- DC/DC module

LEAD FREE = <sup>Pb</sup>  
HALOGEN FREE = HF



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

### Electrical Characteristics

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

### Ratings

SAFETY AGENCY	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
<sup>UL</sup> Pending	10A - 30A / 500V AC/DC	10A - 30A / 500V @ 30KA AC / 500V @ 20KA DC

\* I.R. = INTERRUPTING RATING = SHORT CIRCUIT RATING (AMPS)

Specifications subject to change without notice



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### Environmental Specifications

Operating Temperature	-55 °C to +125 °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 (mohm)	Voltage and Interrupting Ratings	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)	Agency Approvals
					
0ADEC9100-XX	10A	17.1	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	100	Pending
0ADEP9100-XX					Pending
0ADEC9120-XX	12A	12.3		140	Pending
0ADEP9120-XX					Pending
0ADEC9150-XX	15A	8.0		66	Pending
0ADEP9150-XX					Pending
0ADEC9160-XX	16A	8.0		62	Pending
0ADEP9160-XX					Pending
0ADEC9200-XX	20A	5.5		120	Pending
0ADEP9200-XX					Pending
0ADEC9250-XX	25A	4.6		200	Pending
0ADEP9250-XX					Pending
0ADEC9300-XX	30A	3.7	270	Pending	
0ADEP9300-XX				Pending	

Consult manufacturer for other ratings

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\* 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



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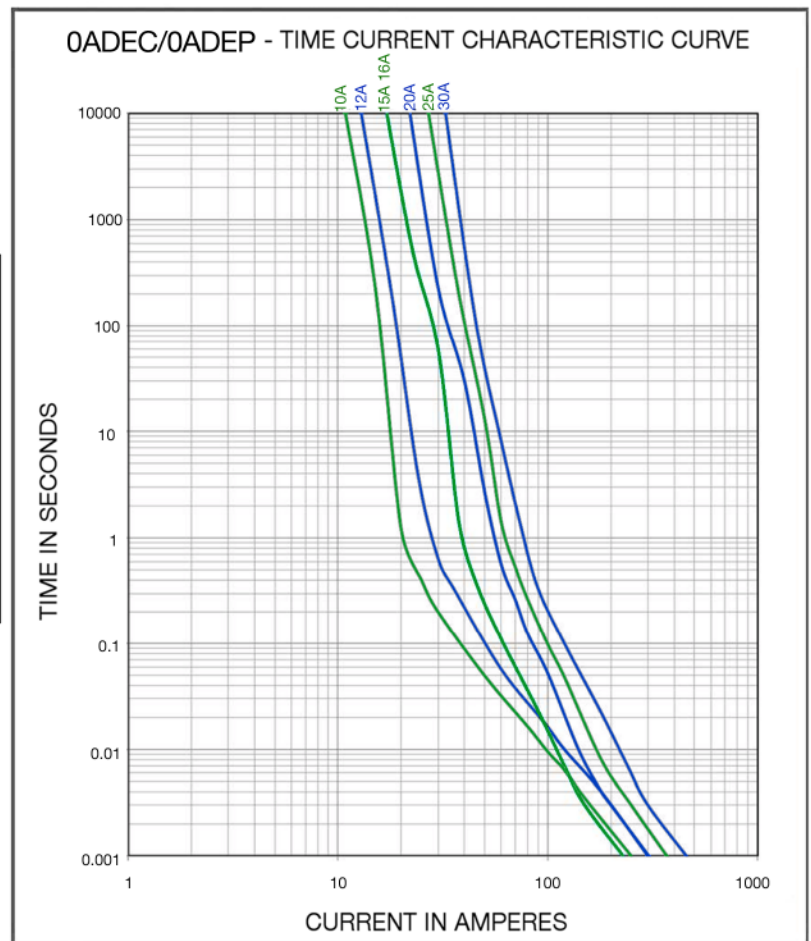
# Type 0ADEC / 0ADEP

## Fast Acting Fuse Series

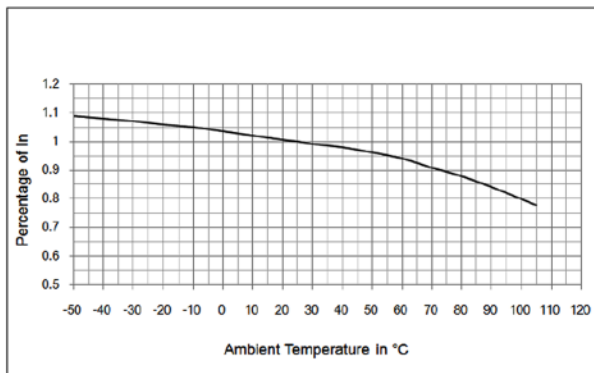
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### Average Time Current Curve



### Temperature Re-Rating 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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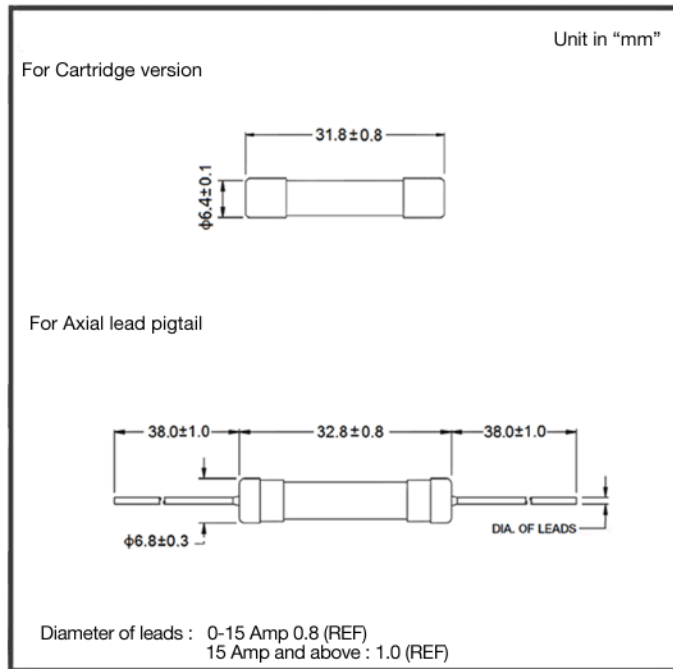
### Fuse FGNO Explanation

0ADE X [XXXX] - XX

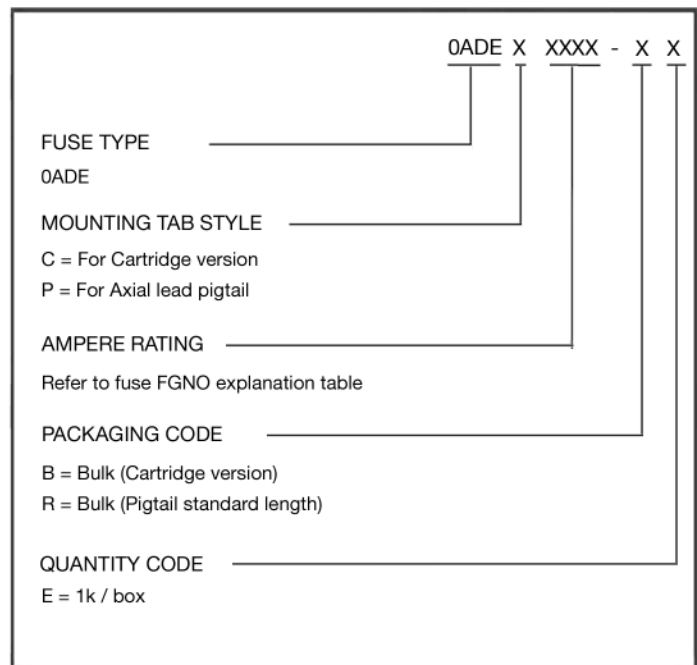
0ADEC/P=0ADEC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Amps	Bel FGNO[XXX]
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 Type)	1000	RE

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