

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
- Meet Underwriters Laboratories Standard UL 248-14
- RoHS 2 compliant
- Halogen Free
- Leadfree

Applications

- Industrial Power Supply
- DC/DC module

LEAD FREE = 
HALOGEN FREE = 

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

Ratings

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
	E20624	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



Bel Fuse Inc.
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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 I²t (A²Sec)
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

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

* Typical Pre-arcing I²t are measured at 10In Current



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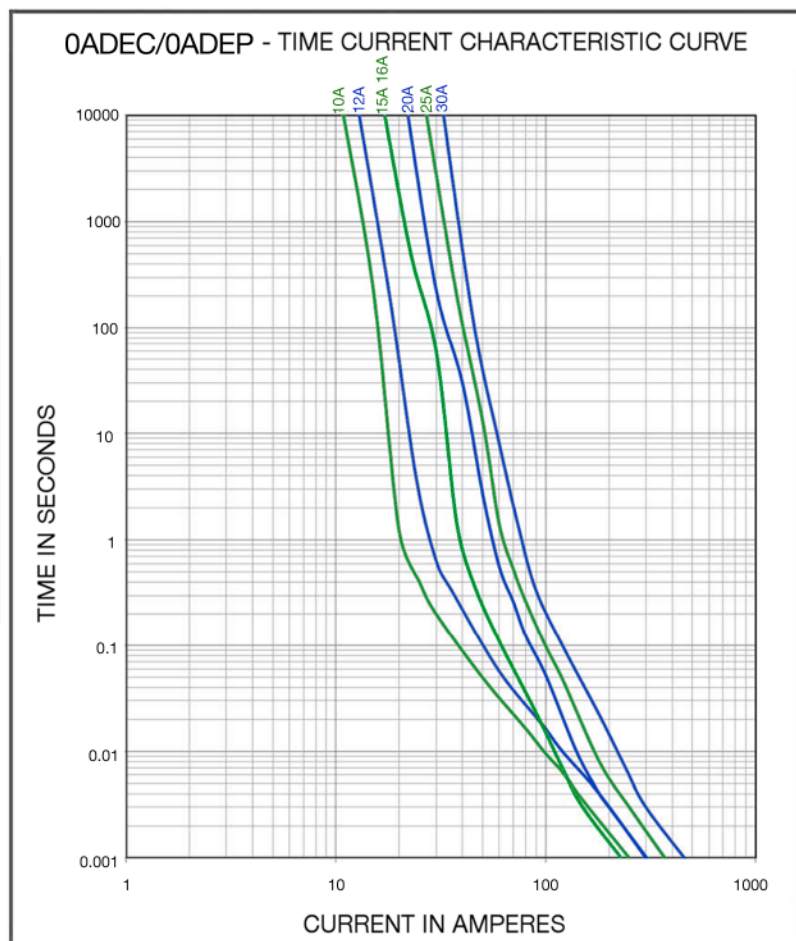
Type 0ADEC / 0ADEP

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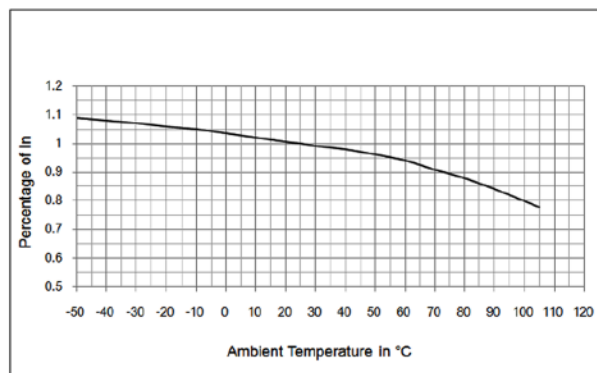
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Average Time Current Curve



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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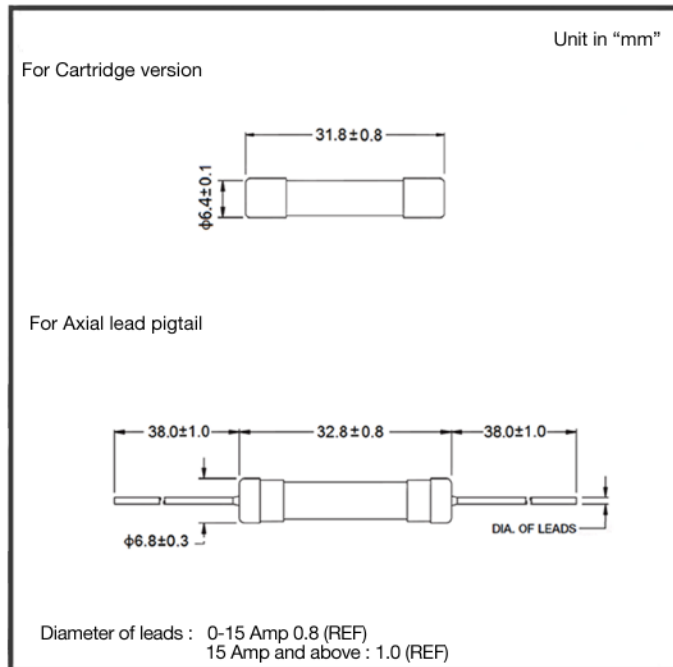
Fuse FGNO Explanation

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

	0ADE	X	XXXX	-	X	X
FUSE TYPE						
0ADE						
MOUNTING TAB STYLE						
C = For Cartridge version						
P = For Axial lead pigtail						
AMPERE RATING						
Refer to fuse FGNO explanation table						
PACKAGING CODE						
B = Bulk (Cartridge version)						
R = Bulk (Pigtail standard length)						
QUANTITY CODE						
E = 1k / box						

Packaging

Packaging Option	Quantity	Packaging Code
Bulk	1000	BE
Bulk (Pigtail Type)	1000	RE

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