

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 = ^{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

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 I ² t (A ² Sec)
0ADEC9100-XX	10A	17.1	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	100
0ADEP9100-XX				140
0ADEC9120-XX	12A	12.3		66
0ADEP9120-XX				62
0ADEC9150-XX	15A	8.0		120
0ADEP9150-XX				200
0ADEC9160-XX	16A	8.0		270
0ADEP9160-XX				
0ADEC9200-XX	20A	5.5		
0ADEP9200-XX				
0ADEC9250-XX	25A	4.6		
0ADEP9250-XX				
0ADEC9300-XX	30A	3.7		
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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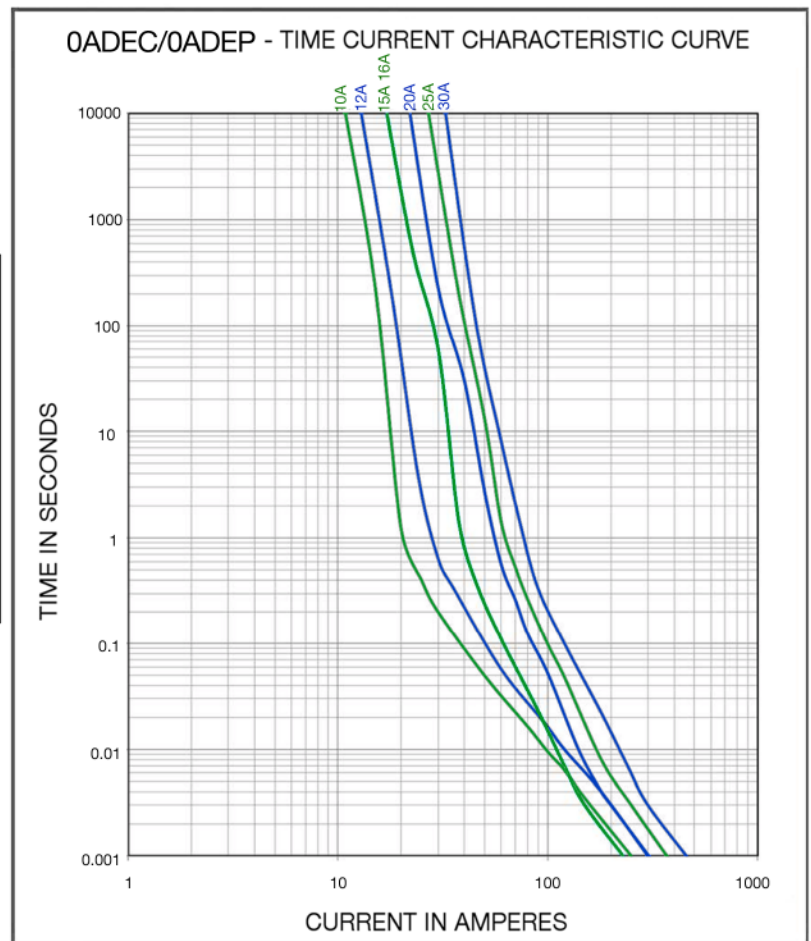
Type 0ADEC / 0ADEP

Fast Acting Fuse Series

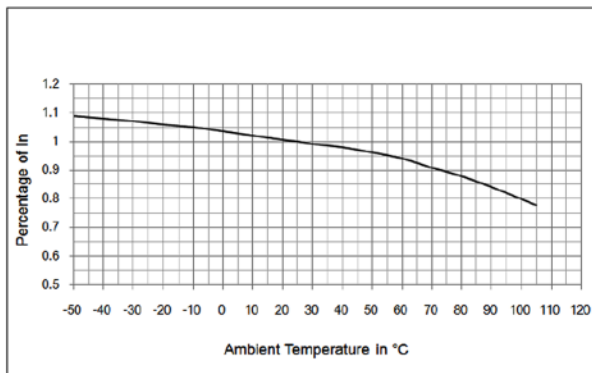
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Average Time Current Curve



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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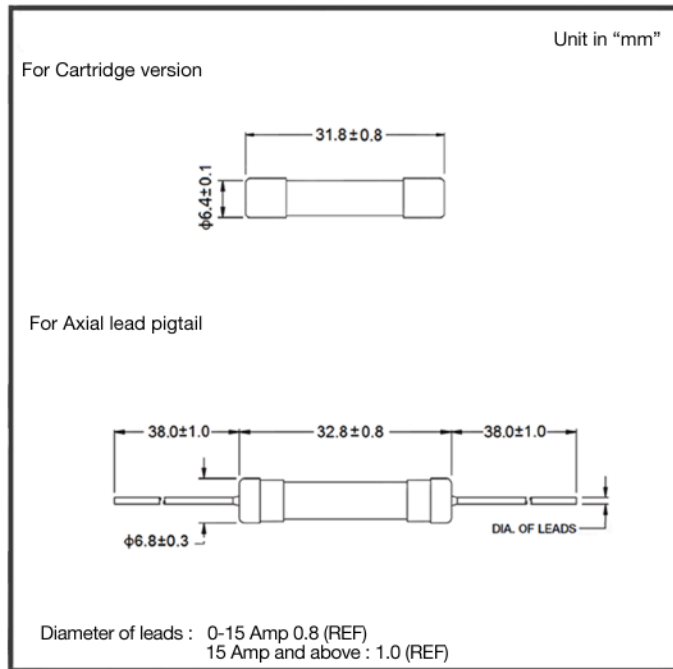
Fuse FGNO Explanation

0ADE X [XXXX] - XX

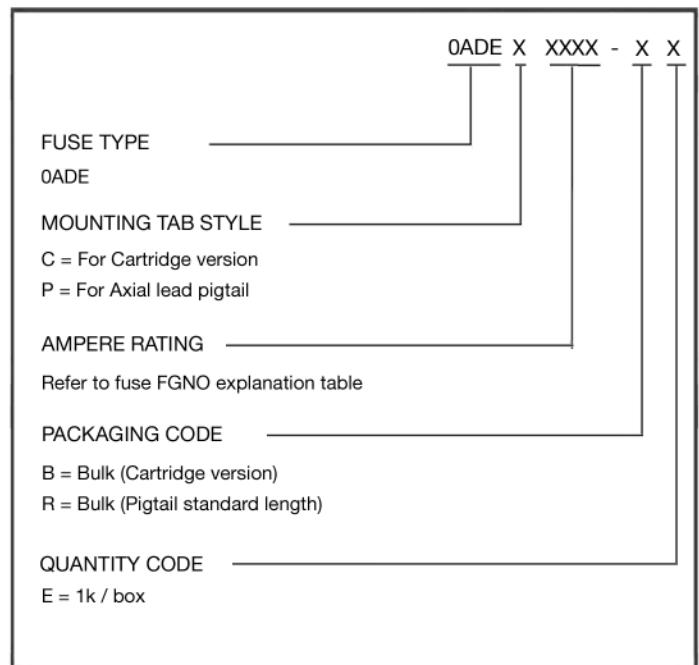
0ADEC/P=0ADEC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

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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