

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**



c **UL** **US**

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 " RoHS ", " CE " (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*
c UL US	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 ² t (A ² Sec)	Total 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	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					

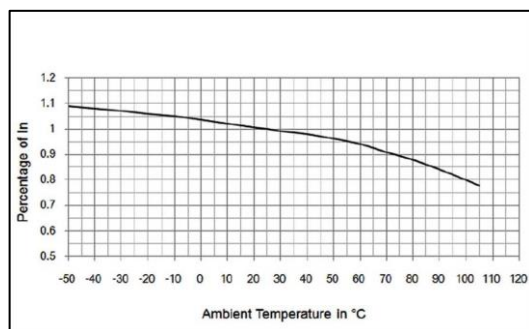
Consult manufacturer for other ratings

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

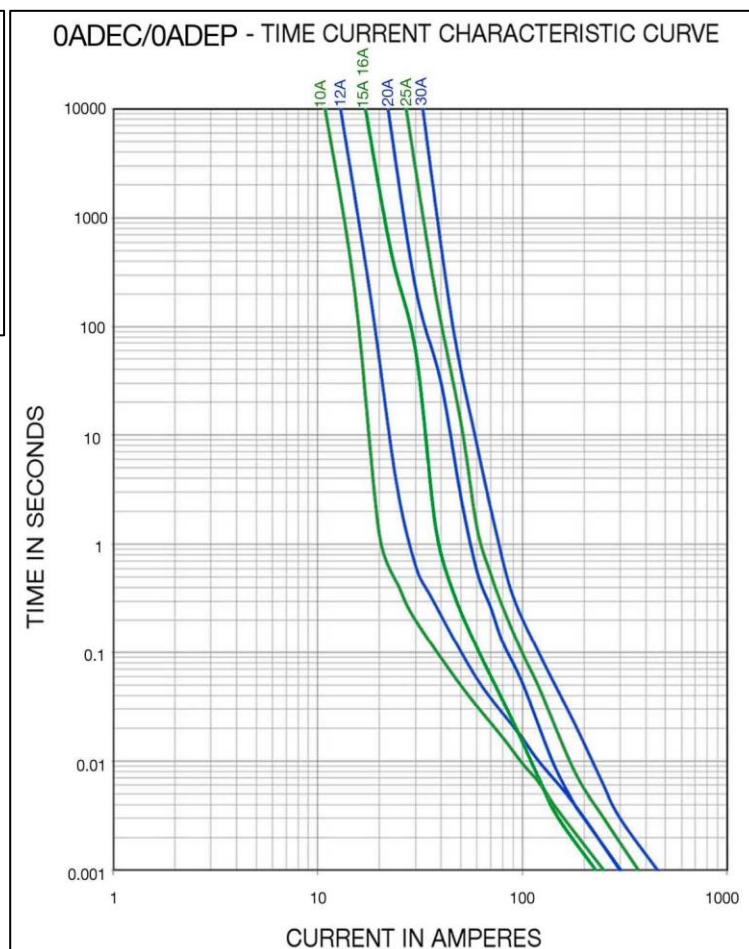
*Typical Pre-arcing I²t are measured at 10In Current

*Total I²t are measured at 500V IR test

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)

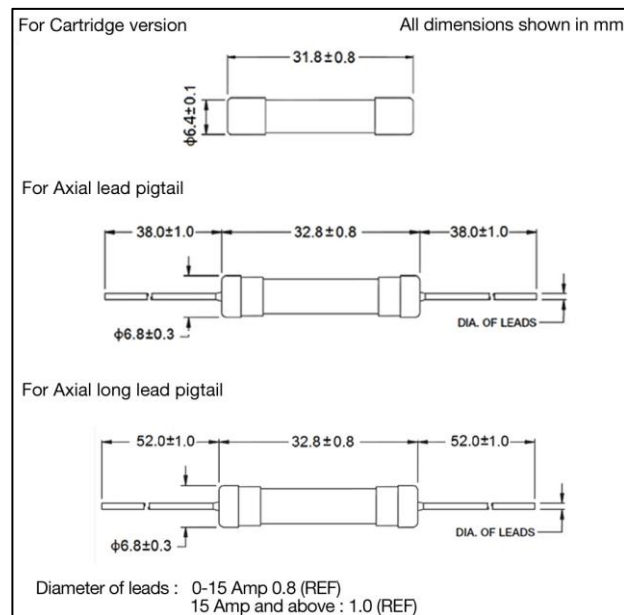
Fuse FGNO Explanation

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

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)
L = Bulk (Pigtail long length)

QUANTITY CODE _____

E = 1k / box

Packaging

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

Mouser Electronics

Authorized Distributor

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Bel:

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BE](#) [0ADEP9200-RE](#) [0ADEP9300-RE](#) [0ADEC9120-BE](#) [0ADEP9150-RE](#) [0ADEP9100-RE](#) [0ADEC9150-BE](#)
[0ADEC9300-BE](#)