

# Type 0ADGX

## High In-Rush Fuse Series

 0ADGX Series, 6x32mm Ceramic Tube High In-Rush Fuse

RoHS Compliant

### Description

500VAC/DC rated ceramic tube cartridge fuse in a compact 6 x 32mm package.

### Features

- High I<sup>2</sup>T withstand High In-Rush Current
- High breaking capacity for high energy application
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Lead Free

### Applications



- Industrial Power Supplies
- Charging Module for EV/HEV

LEAD FREE = 



UK  
CA c  US CE


### Physical Specifications

Materials	Body : Ceramic
	Cap: Silver Plated Caps
	Pigtail Leads : Tin Plated Copper
Marking	On Fuse :
	"bel"
	"0ADGX", "Current Rating", "Voltage Rating", "Appropriate Safety Logos"
	On Label :
"bel", "0ADGX", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "  ", "  (China RoHS compliant).	

### Electrical Characteristics

Testing Current	Opening Time
100%	4 hours, Minimum
250%	60 seconds, Maximum

### Safety Agency Approvals

Safety Agency	Safety Agency Certificate	Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
	E20624	8A-30A/500V AC/DC	8A-30A/500V @ 1kA AC/DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

### Environmental Specifications



Specifications subject to change without notice

[belfuse.com/circuit-protection](http://belfuse.com/circuit-protection)

Operating Temperature	-50°C to 125°C
Terminal Strength	MIL-STD-202, 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

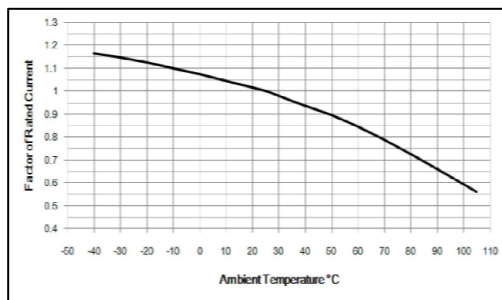
Part Number	Ampere Rating	Typical Cold Resistance (mOhms)	Voltage and Interrupting Ratings	Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec)
0ADGX8000-XX	8A	15	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	165
0ADGX9100-XX	10A	11.5		260
0ADGX9160-XX	16A	5.3		410
0ADGX9200-XX	20A	4.0		680
0ADGX9250-XX	25A	3.0		1500
0ADGX9300-XX	30A	2.5		2350

Consult manufacturer for other ratings

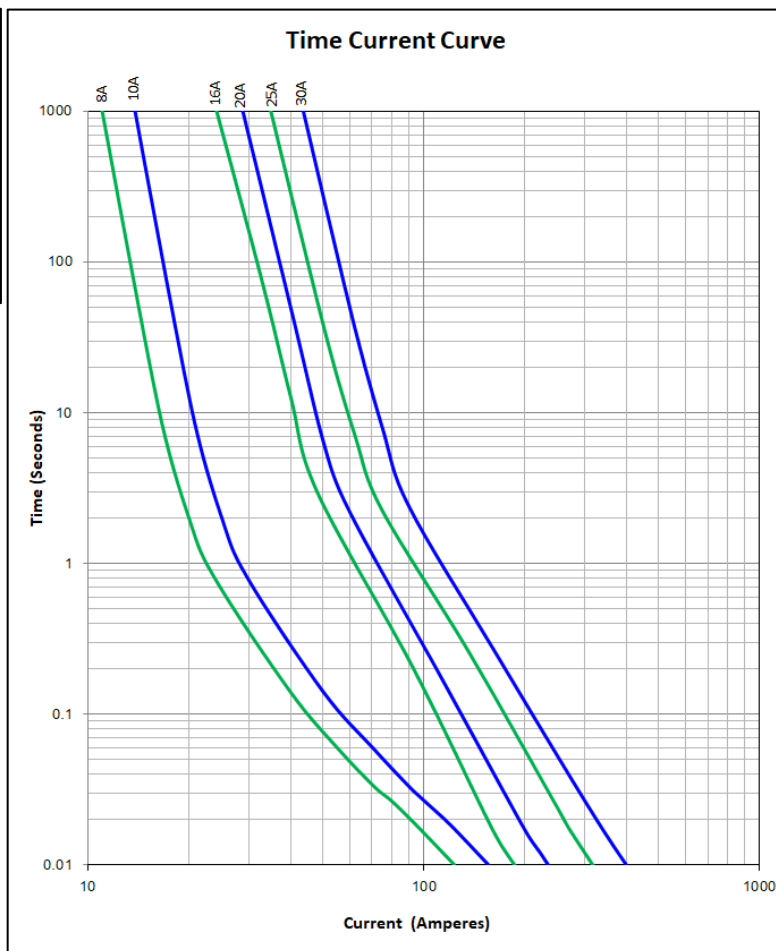
\* DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25°C

\* Typical Pre-arcing I<sup>2</sup>t are measured at 10In Current

## Temperature Re-Rating Curve



## Average Time Current Curve



## Soldering parameters

Wave Soldering:

Solder Pot Temperature: 260°C Max.

Solder Dwell Time: 10s Max.

Hand-Solder:

Solder Iron Temperature: 350°C +/- 5°C

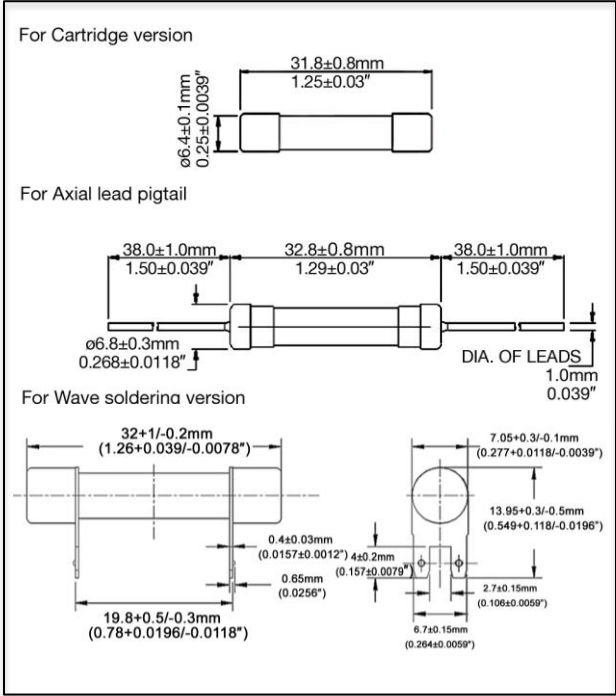
Heating Time: 5s Max.

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**Fuse FGNO Explanation**  
**0ADG X [XXXX] -XX**  
**0ADGC/P/W=0ADGC/P/W; [XXXX]=Ampere Rating; XX=See Ordering Information as below**

Amps	Bel FGNO[XXXX]
10	9100
16	9160
20	9200
25	9250
30	9300

## Mechanical Dimensions



## Ordering Information

**0ADG X XXXX - X X**

FUSE TYPE \_\_\_\_\_  
0ADG

Mounting Tab Style \_\_\_\_\_  
C = For Cartridge version  
P = For Axial lead pigtail  
W = Wave soldering version

AMPERE RATING \_\_\_\_\_  
Refer to fuse FGNO explanation table

PACKAGING CODE \_\_\_\_\_  
B = Bulk (Cartridge version)  
R = Bulk (Pigtail standard length)

QUANTITY CODE \_\_\_\_\_  
B = 200pcs / box  
E = 1000pcs / box

## Packaging

Packaging Option	Quantity	Packaging Code
Bulk	1000	BE
Bulk (Pigtail standard length)	1000	RE
Bulk (Wave soldering version)	200	BB