

# Type 0ADAC / 0ADAP

## Fast Acting Fuse Series

HF Pb 0ADAC/0ADAP Series, 6x32mm Ceramic Tube Fast-acting Fuse

RoHS 2 Compliant

### Description

A 600 VAC/VDC rated ceramic tube cartridge fuse in a compact 6.3 x 32mm package, They are design for circuit protection in high energy and high power applications.

### Features

- Fast Acting, high breaking capacity under 600Vac/dc
- Available in cartridge and pigtail axial lead
- Designed to UL 248-1
- RoHS 2 compliant
- Halogen Free
- Leadfree

### Applications

- Digital Measuring Instrument
- Industrial Power Supply
- DC/DC module
- Power Inverters
- UPS
- Smart Meters
- 3 phase AC-DC

LEAD FREE =   
HALOGEN FREE = 



### Physical Specifications

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

### Electrical Characteristics

| Testing Current | Opening Time |
|-----------------|--------------|
| 100%            | 4 hour Min.  |
| 250%            | 120 sec Max. |

### Ratings

| SAFETY AGENCY                                                                       | SAFETY AGENCY CERTIFICATE NUMBER | VOLTAGE RATING (V)       | AMPERE RANGE / VOLT @ I.R. ABILITY*           |
|-------------------------------------------------------------------------------------|----------------------------------|--------------------------|-----------------------------------------------|
|  | E20624                           | 200mA - 12A / 600V AC/DC | 200mA - 12A / 600V @ 10KA AC / 600V @ 10KA 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<br>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<br>(5 cycles -65 °C to +125 °C). |
| Humidity              | MIL-STD-202, Method 103, Test Condition A<br>95%RH and 40 °C for 240 hours |

### Electrical Specifications

| Part Number                  | Ampere Rating | Typical Cold Resistance (mOhms) | Voltage and Interrupting Ratings                                               | Typical Voltage Drop (mV) | Typical Pre-Arcing I <sup>2</sup> t (A <sup>2</sup> Sec) |
|------------------------------|---------------|---------------------------------|--------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------|
| 0ADAC0200-BE<br>0ADAP0200-RE | 200mA         | 3900                            | See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings | 850                       | 0.003                                                    |
| 0ADAC0250-BE<br>0ADAP0250-RE | 250mA         | 2755                            |                                                                                | 828                       | 0.009                                                    |
| 0ADAC0315-BE<br>0ADAP0315-RE | 315mA         | 1900                            |                                                                                | 568                       | 0.030                                                    |
| 0ADAC0400-BE<br>0ADAP0400-RE | 400mA         | 1875                            |                                                                                | 890                       | 0.038                                                    |
| 0ADAC0500-BE<br>0ADAP0500-RE | 500mA         | 1160                            |                                                                                | 616                       | 0.041                                                    |
| 0ADAC0600-BE<br>0ADAP0600-RE | 600mA         | 1035                            |                                                                                | 765                       | 0.072                                                    |
| 0ADAC1000-BE<br>0ADAP1000-RE | 1A            | 450                             |                                                                                | 553                       | 0.23                                                     |
| 0ADAC1600-BE<br>0ADAP1600-RE | 1.6A          | 160                             |                                                                                | 307                       | 0.89                                                     |
| 0ADAC2000-BE<br>0ADAP2000-RE | 2A            | 155                             |                                                                                | 381                       | 1.28                                                     |
| 0ADAC2500-BE<br>0ADAP2500-RE | 2.5A          | 89                              |                                                                                | 275                       | 3.91                                                     |
| 0ADAC3000-BE<br>0ADAP3000-RE | 3A            | 64                              |                                                                                | 218                       | 7.74                                                     |
| 0ADAC3150-BE<br>0ADAP3150-RE | 3.15A         | 60                              |                                                                                | 230                       | 9.92                                                     |
| 0ADAC4000-BE<br>0ADAP4000-RE | 4A            | 44                              |                                                                                | 223                       | 15.50                                                    |
| 0ADAC5000-BE<br>0ADAP5000-RE | 5A            | 33                              |                                                                                | 221                       | 26.50                                                    |
| 0ADAC6000-BE<br>0ADAP6000-RE | 6A            | 26                              |                                                                                | 214                       | 41.76                                                    |
| 0ADAC8000-BE<br>0ADAP8000-RE | 8A            | 18                              |                                                                                | 203                       | 76.80                                                    |
| 0ADAC9100-BE<br>0ADAP9100-RE | 10A           | 16.8                            |                                                                                | 242                       | 101.40                                                   |
| 0ADAC9120-BE<br>0ADAP9120-RE | 12A           | 12.8                            |                                                                                | 233                       | 187.20                                                   |

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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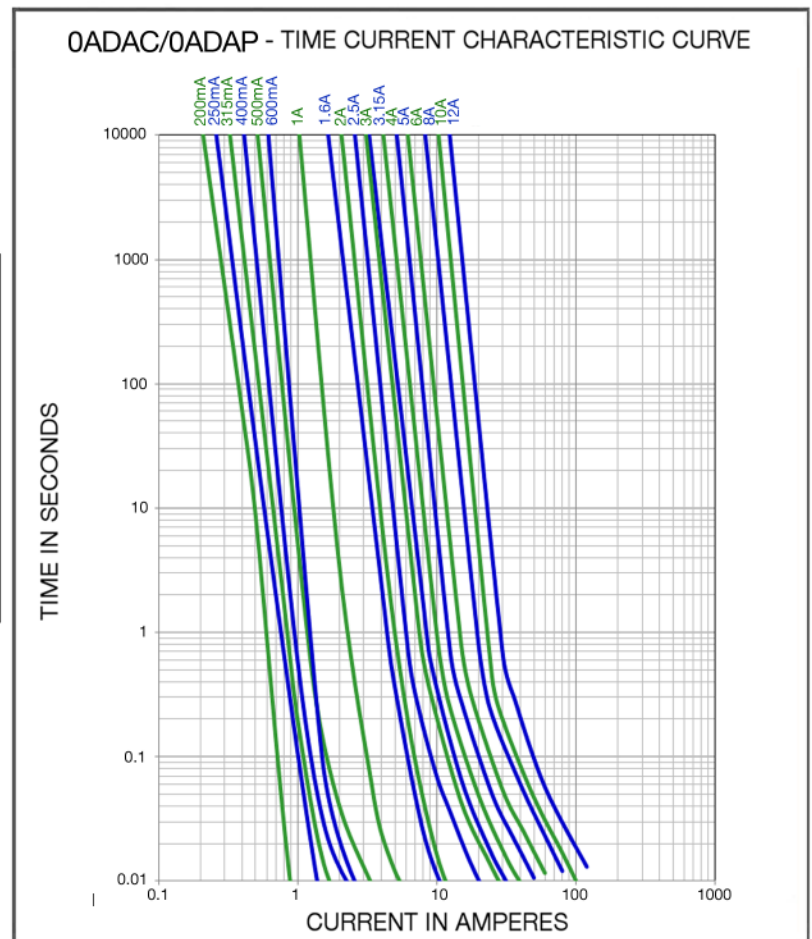
# Type 0ADAC / 0ADAP

## Fast Acting Fuse Series

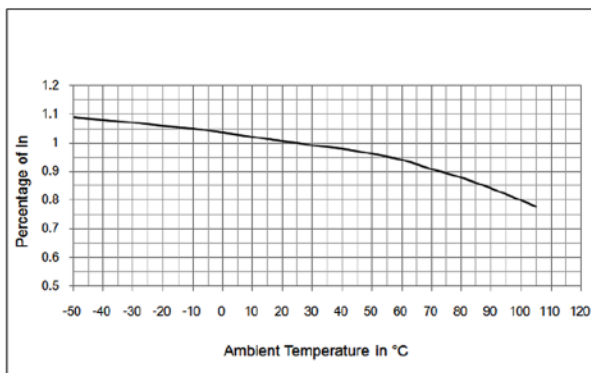
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### Average Time Current Curve



### 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

0ADA X [XXXX] - XX

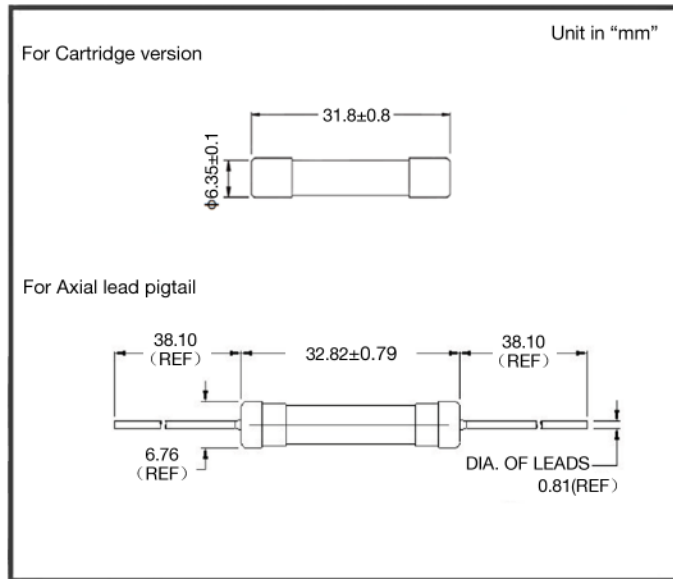
0ADAC/P=0ADAC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

| Fraction | Decimal | Milliamps | Bel FGNO[XXXX] |
|----------|---------|-----------|----------------|
| 1/5      | .200    | 200       | 0200           |
| 1/4      | .250    | 250       | 0250           |
|          | .315    | 315       | 0315           |
| 4/10     | .400    | 400       | 0400           |
| 1/2      | .500    | 500       | 0500           |
| 6/10     | .600    | 600       | 0600           |

| Fraction | Decimal | Amps | Bel FGNO[XXXX] |
|----------|---------|------|----------------|
|          | 1.0     | 1    | 1000           |
|          | 1.6     | 1.6  | 1600           |
|          | 2.0     | 2    | 2000           |
| 2-1/2    | 2.5     | 2.5  | 2500           |
|          | 3.0     | 3    | 3000           |
|          | 3.15    | 3.15 | 3150           |
|          | 4.0     | 4    | 4000           |
|          | 5.0     | 5    | 5000           |
|          | 6.0     | 6    | 6000           |
|          | 8.0     | 8    | 8000           |

| Amps | Bel FGNO[XXXX] |
|------|----------------|
| 10   | 9100           |
| 12   | 9120           |

### Mechanical Dimensions



### Ordering Information

0ADA X XXXX - X X

FUSE TYPE \_\_\_\_\_

0ADA

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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## Данный компонент на территории Российской Федерации

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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