

Type 0ADBC / 0ADBP

Fast-Acting Fuse Series

HF **Pb** 0ADBC/0ADBP Series, 6x32mm Ceramic Tube Fast-Acting Fuse RoHS Compliant

Description

A 1000 VAC/VDC rated ceramic tube cartridge fuse in a compact 6.3 x 32mm package,

Features

- Fast-acting, high breaking capacity up to 1000VDC/AC
- Available in cartridge and pigtail axial lead
- Designed to UL 248-1
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Halogen Free
- Lead Free

Applications


- Digital Measuring Instruments
- Industrial Power Supplies
- DC/DC modules

LEAD FREE = **Pb**
 HALOGEN FREE = **HF**



UK CA c **RU** us CE

Physical Specifications

| | |
|-----------|--|
| Materials | Body : Ceramic |
| | Cap: Silver Plated Caps |
| | Pigtail Leads: Tin Plated Copper |
| Marking | On Fuse : |
| | "bel" |
| | "0ADB", "Current Rating", "Voltage Rating", "Appropriate Safety Logos" |
| | On Label : |
| | "bel", "0ADBC" or "0ADBP", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and " ^{RoHS} ✓ ", "  "(China RoHS compliant). |

Electrical Characteristics

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

Safety Agency Approvals

| Safety Agency | Safety Agency Certificate | Ampere Rating / Voltage Rating | Ampere Range / Volt @ I.R. ability* |
|----------------|---------------------------|--------------------------------|--|
| c RU us | E20624 | 200mA-3A /1000V AC/DC | 200mA-3A /1000V@ 10KA AC /1000V@ 10KA DC |

*I.R.= Interrupting Rating = Short Circuit Rating(Amps)

Electrical specifications

| Part Number | Ampere Rating | Typical Cold Resistance (mOhms) | Voltage and Interrupting Ratings | Typical Voltage Drop (mV) | Typical Pre-Arcing I ² t (A ² Sec) |
|--------------|---------------|---------------------------------|--|----------------------------|--|
| 0ADBC0200-BE | 200mA | 3900 | See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings | 916 | 0.0031 |
| 0ADBP0200-RE | | | | | |
| 0ADBC0250-BE | 250mA | 2755 | | 850 | 0.009 |
| 0ADBP0250-RE | | | | | |
| 0ADBC0315-BE | 315mA | 1875 | | 900 | 0.050 |
| 0ADBP0315-RE | | | | | |
| 0ADBC0400-BE | 400mA | 1845 | | 860 | 0.059 |
| 0ADBP0400-RE | | | | | |
| 0ADBC0500-BE | 500mA | 1160 | | 600 | 0.081 |
| 0ADBP0500-RE | | | | | |
| 0ADBC0600-BE | 600mA | 1030 | | 550 | 0.178 |
| 0ADBP0600-RE | | | | | |
| 0ADBC0800-BE | 800mA | 530 | | 510 | 0.256 |
| 0ADBP0800-RE | | | | | |
| 0ADBC1000-BE | 1A | 450 | | 560 | 0.21 |
| 0ADBP1000-RE | | | | | |
| 0ADBC1250-BE | 1.25A | 260 | | 550 | 1.45 |
| 0ADBP1250-RE | | | | | |
| 0ADBC1600-BE | 1.6A | 185 | | 395 | 0.80 |
| 0ADBP1600-RE | | | | | |
| 0ADBC2000-BE | 2A | 150 | 400 | 1.25 | |
| 0ADBP2000-RE | | | | | |
| 0ADBC2500-BE | 2.5A | 88 | 300 | 4.5 | |
| 0ADBP2500-RE | | | | | |
| 0ADBC3000-BE | 3A | 60 | 270 | 7.54 | |
| 0ADBP3000-RE | | | | | |

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

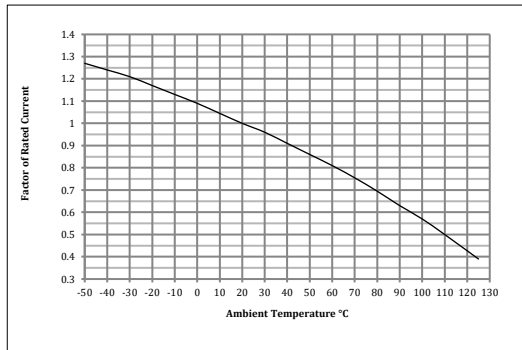


Specifications subject to change without notice

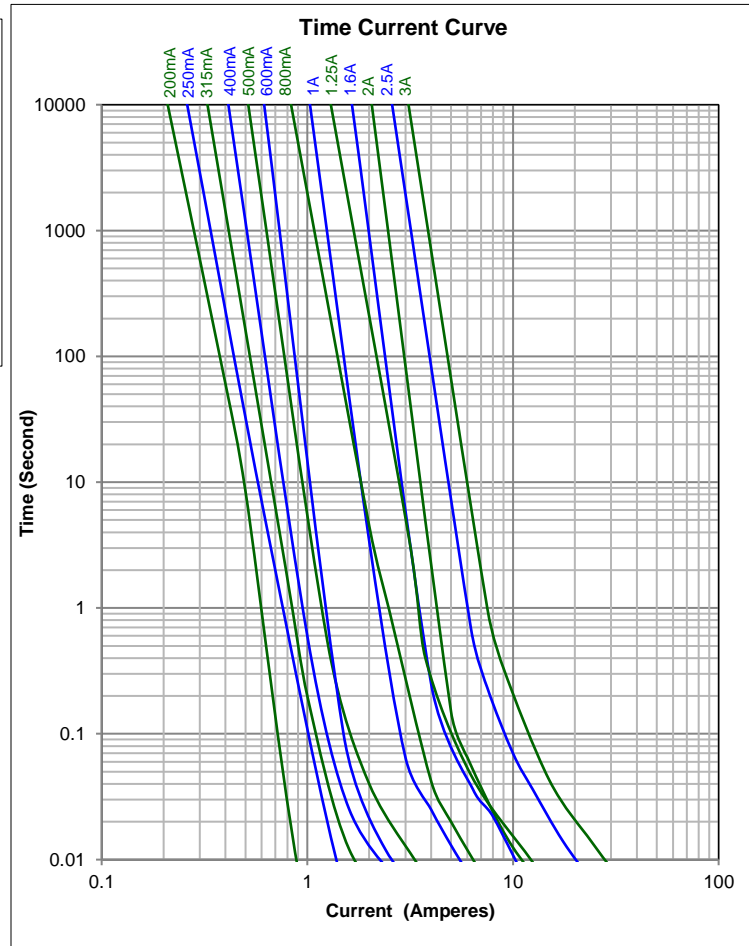
Bel Fuse Inc.
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West Orange, NJ 07052 USA

+1 201.432.0463
Bel.US.CS@belf.com
belfuse.com/circuit-protection

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)



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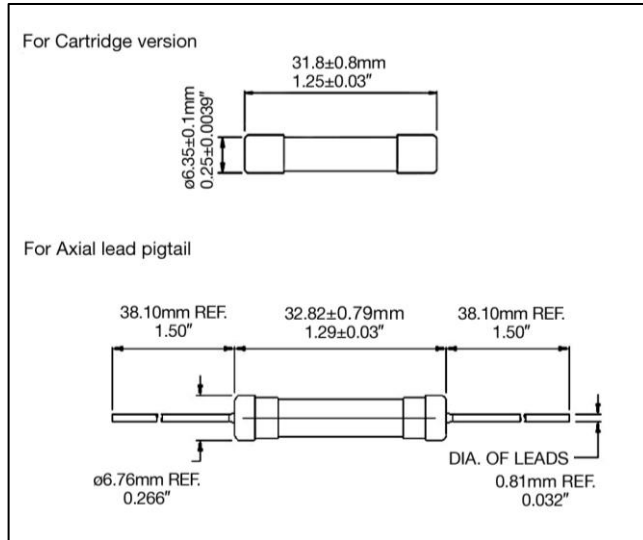
Fuse FGNO Explanation

0ADB X [XXXX] -XX

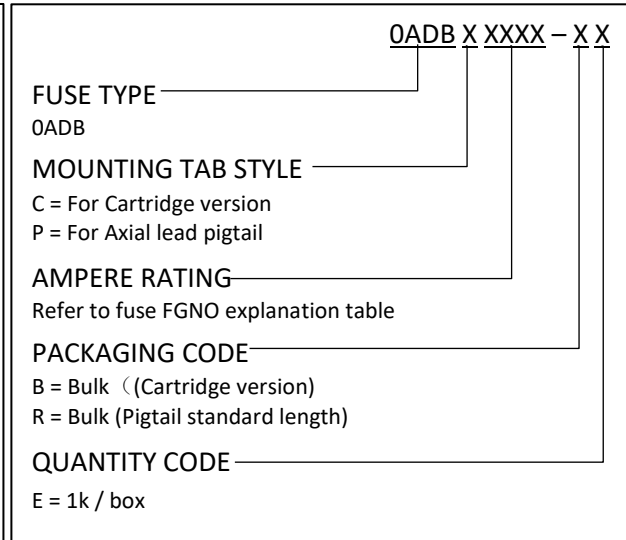
0ADBC/P=0ADBC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

| Fraction | Decimal | Milliamps | Bel FGNO[XXXX] | Fraction | Decimal | Amps | Bel FGNO[XXXX] |
|----------|---------|-----------|----------------|----------|---------|------|----------------|
| 1/5 | 0.200 | 200 | 0200 | | 1.0 | 1 | 1000 |
| 1/4 | .250 | 250 | 0250 | 1-1/4 | 1.25 | 1.25 | 1250 |
| | .315 | 315 | 0315 | | 1.6 | 1.6 | 1600 |
| 4/10 | .400 | 400 | 0400 | | 2.0 | 2 | 2000 |
| 1/2 | .500 | 500 | 0500 | 2-1/2 | 2.5 | 2.5 | 2500 |
| 6/10 | .600 | 600 | 0600 | | 3.0 | 3 | 3000 |

Mechanical Dimensions



Ordering Information



Packaging

| Packaging Option | Quantity | Packaging Code |
|------------------------|----------|----------------|
| Bulk | 1000 | BE |
| Bulk (Pigtail Version) | 1000 | RE |