

# ANTREX Electronics

## Electronic Components Sourcing Information

---

### Product Reference Information

**Part Number:** BK/ABC-4

**Manufacturer:** Eaton - Electronics Division

**Package:** Bulk

**Availability:** Please confirm with sales

**Product Page:**

<https://antrexco.com/product/details/eaton-electronics-division/bk-abc-4.html>

**Request a Quote:**

[Submit RFQ for this part](#)



Scan for product page

### Contact Information

Email: [info@antrexco.com](mailto:info@antrexco.com)

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

### Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

**Note:**

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

### Description

- Fast-acting, ceramic tube
- Optional leaded version available
- 1/4 x 1-1/4 (6.3mm x 32mm) physical size
- Ceramic tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14

| ELECTRICAL CHARACTERISTICS |                     |
|----------------------------|---------------------|
| % of Amp Rating            | Opening Time        |
| 110%                       | 4 Hours Minimum     |
| 135%                       | 60 Minutes maximum  |
| 200%                       | 120 Seconds Maximum |

### Approvals

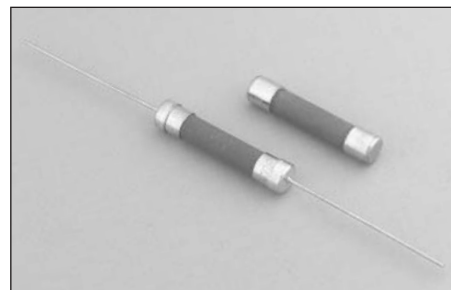
- UL Listed Guide & File numbers (ABC 1/4 - 15A): JDYX & E19180.
- UL Recognition Guide & File numbers (ABC 20 - 30A): JDYX2 & E19180.
- CSA Certification Record No: 053787 C 000 & Class No: 1422 01 & 1422 30.

### Environmental Data

- Shock: 1/4A and 1/2A – MIL-STD-202, Method 213, Test Condition I;  
1A thru 30A – MIL-STD-202, Method 207, (HI Shock)
- Vibration: 1/4A thru 30A – MIL-STD-202, Method 204, Test Condition C (Except 5g, 500HZ)

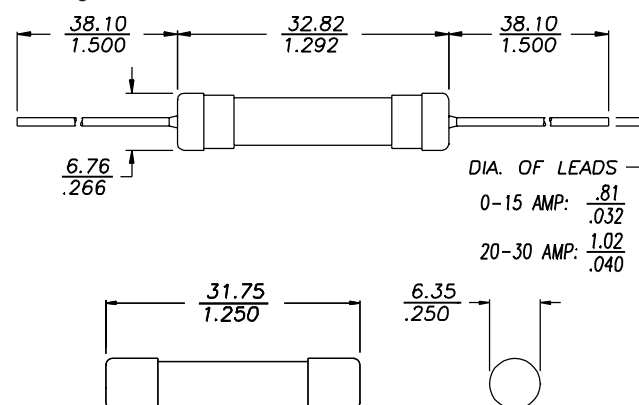
### Ordering

- Specify product code, option code and packaging code



### Dimensions (mm/in)

Drawing Not to Scale

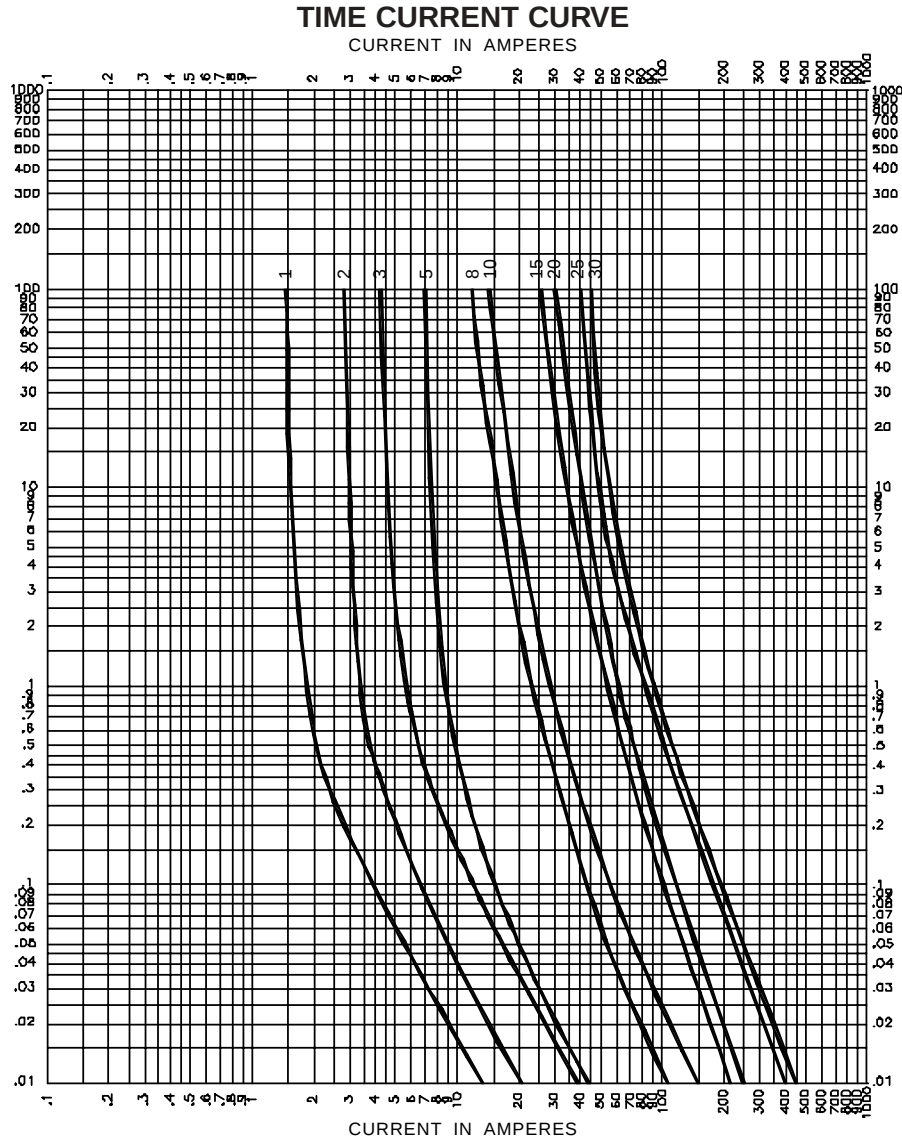


| SPECIFICATIONS |                |      |                        |        |                        |       |                                     |                                      |                       |
|----------------|----------------|------|------------------------|--------|------------------------|-------|-------------------------------------|--------------------------------------|-----------------------|
| Product Code   | Voltage Rating |      | AC Interrupting Rating |        | DC Interrupting Rating |       | Typical DC Cold Resistance** (ohms) | Typical Melting I <sup>2</sup> t† AC | Typical Voltage Drop‡ |
|                | AC             | DC   | 250V                   | 125V   | 125V                   | 75V   |                                     |                                      |                       |
| ABC-1/4        | 250V           | 125V | 35A                    | 10000A | 10000A                 | -     | 3.000                               | 0.02                                 | 3.25                  |
| ABC-1/2        | 250V           | 125V | 35A                    | 10000A | 10000A                 | -     | 0.788                               | 0.19                                 | 0.51                  |
| ABC-3/4        | 250V           | 125V | 35A                    | 10000A | 10000A                 | -     | 0.303                               | 0.8                                  | 0.42                  |
| ABC-1          | 250V           | 125V | 35A                    | 10000A | 10000A                 | -     | 0.197                               | 1.4                                  | 0.35                  |
| ABC-1-1/2      | 250V           | 125V | 100A                   | 10000A | 10000A                 | -     | 0.1175                              | 2.9                                  | 0.35                  |
| ABC-2          | 250V           | 125V | 100A                   | 10000A | 10000A                 | -     | 0.0755                              | 4.2                                  | 0.25                  |
| ABC-2-1/2      | 250V           | 125V | 100A                   | 10000A | 10000A                 | -     | 0.05875                             | 8.53                                 | 0.26                  |
| ABC-3          | 250V           | 125V | 100A                   | 10000A | 10000A                 | -     | 0.0435                              | 19.5                                 | 0.25                  |
| ABC-4          | 250V           | 125V | 200A                   | 10000A | 10000A                 | -     | 0.02975                             | 29.1                                 | 0.25                  |
| ABC-5          | 250V           | 125V | 200A                   | 10000A | 10000A                 | -     | 0.0286                              | 16.4                                 | 0.23                  |
| ABC-6          | 250V           | 125V | 200A                   | 10000A | 10000A                 | -     | 0.02315                             | 31.6                                 | 0.24                  |
| ABC-7          | 250V           | 125V | 200A                   | 10000A | 10000A                 | -     | 0.0183                              | 73.2                                 | 0.20                  |
| ABC-8          | 250V           | 125V | 200A                   | 10000A | 10000A                 | -     | 0.0146                              | 111.9                                | 0.17                  |
| ABC-10         | 250V           | 125V | 200A                   | 10000A | 10000A                 | -     | 0.01205                             | 215.6                                | 0.15                  |
| ABC-12         | 250V           | 125V | 750A                   | 10000A | 10000A                 | -     | 0.0068                              | 129.6                                | 0.11                  |
| ABC-15         | 250V           | 125V | 750A                   | 10000A | 10000A                 | -     | 0.005425                            | 200.2                                | 0.12                  |
| ABC-20         | 250V           | 125V | 400A                   | 1000A  | 10000A                 | -     | 0.00366                             | 550.8                                | 0.13                  |
| ABC-25         | 125V           | 125V | -                      | 1000A  | 400A                   | 1000A | 0.00263                             | 839.3                                | 0.12                  |
| ABC-30         | 125V           | 125V | -                      | 1000A  | 400A                   | 1000A | 0.002225                            | 1,429                                | 0.14                  |

\*\* DC Cold Resistance (Measured at ≤10% of rated current)

† Typical Melting I<sup>2</sup>t (A<sup>2</sup>Sec) (I<sup>2</sup>t was measured at listed interrupting rating and rated voltage. Measured at 70% to 80% power factor on AC)

‡ Typical Voltage Drop (Voltage drop was measured at 25°C±3°C ambient temperature at rated current)



| OPTION CODE |                                                                               |
|-------------|-------------------------------------------------------------------------------|
| Option Code | Description                                                                   |
| B           | Board Washable - Hermetically sealed to withstand aqueous cleaning            |
| V           | Axial leads - brass overcaps with copper and nickel flash, plated in tin lead |

| PACKAGING CODE |                                                                        |
|----------------|------------------------------------------------------------------------|
| Packaging Code | Description                                                            |
| BK             | 100 pieces of fuses packed into a cardboard carton with flaps folded   |
| BK1            | 1,000 pieces of fuses packed into a cardboard carton with flaps folded |
| BK8            | 8,000 pieces of fuses packed into a cardboard carton with flaps folded |