

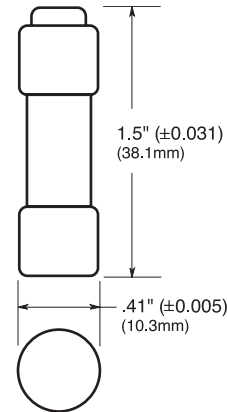
# EDCC

## Class CC, 600Vac, 0.5 to 30A

### Time-Delay Fuses



#### Dimensions (inches)



#### Catalog Symbol: EDCC

Time-Delay

Current-Limiting

**Volts:** 600Vac (or less)

300Vdc (0.5-2.25A and 20-30 A)

**Amps:** 0.5 to 30A

**IR:** 200kA RMS Sym.

20kAIC Vdc

**Agency Information:** UL Listed, Std. 248-4, Class CC, Guide JDDZ, File E162363, CSA Certified, HRCI-CC, C22.2 No. 248.4, Class 1422-02, File 53787

#### Features

- A superior all-purpose, space-saving branch circuit fuse that meets most protection requirements up to 30 amps.
- Very compact; physical size is only  $1\frac{3}{32}$ " x  $1\frac{1}{2}$ " (10.3 x 38.1mm) with rejection tip.
- Faster response to damaging short-circuit currents and higher interrupting rating than mechanical overcurrent protective devices.
- Maximum 200kA interrupting rating for available fault current in today's large capacity systems. Helps ensure that future growth will not obsolete the system.
- Time-delay to avoid unwanted fuse openings from surge currents.
- Fast speed of response under short-circuit conditions for a high degree of current-limitation.
- The EDCC fuse can be sized close to full load ratings for maximum overload and short-circuit protection.

- Can be used where either a time-delay or a fast-acting fuse is needed, making selection easier and reducing spare fuse inventories for substantial cost reduction.
- Superior Motor Protection for small horsepower motor circuits.
- Proper sizing can provide Type "2" coordinated protection for NEMA and IEC motor controllers.
- Motors receive maximum protection against burnout from overloads and single phasing.

#### Catalog Numbers (amps)

|           |          |          |        |
|-----------|----------|----------|--------|
| EDCC0.5   | EDCC1.8  | EDCC4    | EDCC8  |
| EDCC0.6   | EDCC2    | EDCC4.5  | EDCC9  |
| EDCC0.8   | EDCC2.25 | EDCC5    | EDCC10 |
| EDCC1     | EDCC2.5  | EDCC5.6  | EDCC12 |
| EDCC1.125 | EDCC2.8  | EDCC6    | EDCC15 |
| EDCC1.25  | EDCC3    | EDCC6.25 | EDCC20 |
| EDCC1.4   | EDCC3.2  | EDCC7    | EDCC25 |
| EDCC1.6   | EDCC 3.5 | EDCC7.5  | EDCC30 |

#### Carton Quantity and Weight

| Amps   | Carton   | Weight per Carton |      |
|--------|----------|-------------------|------|
|        | Quantity | lbs               | kg   |
| 0.5-30 | 10       | 0.19              | 0.09 |

#### Class CC Fuse Blocks (600V) Catalog Data

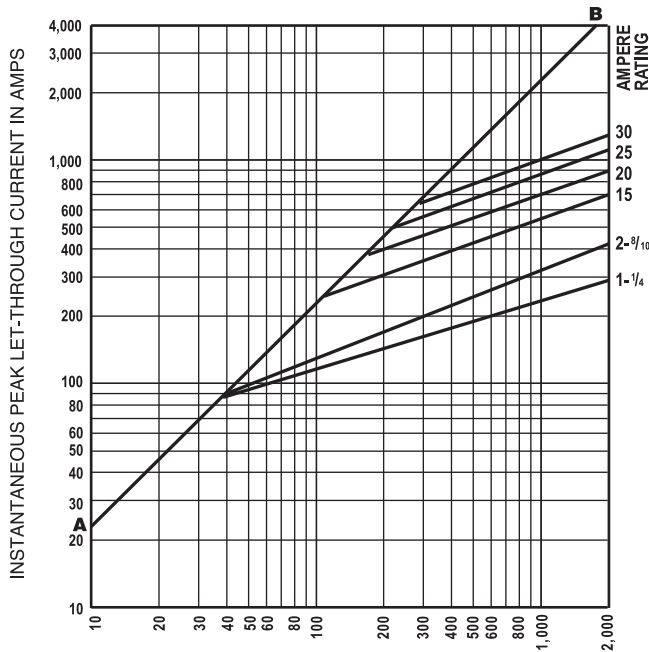
| Poles | Screw    | Pressure | Box      | Screw         | Pressure      |
|-------|----------|----------|----------|---------------|---------------|
|       | Terminal | Plate    | Terminal | Quick-Connect | Quick-Connect |
| 1     | BC6031S  | BC6031P  | BC6031B  | BC6031SQ      | BC6031PQ      |
| 2     | BC6032S  | BC6032P  | BC6032B  | BC6032SQ      | BC6032PQ      |
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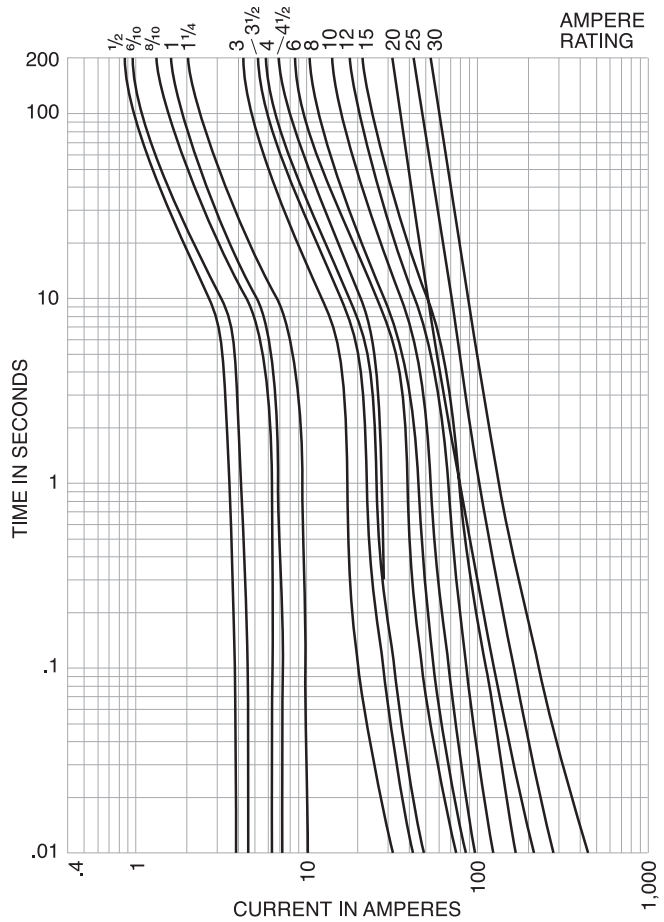
### Time-Delay Fuses

#### Current Limitation Curves



PROSPECTIVE SHORT-CIRCUIT CURRENT—SYMMETRICAL RMS AMPS

#### Time-Current Characteristic Curves— Average Melt



#### Current-Limiting Effects

EDCC Apparent RMS Symmetrical Let-Through Current  
**Prosp.**

| SCC     | 1.25 | 2.2A | 15A  | 20A  | 25A  | 30A  |
|---------|------|------|------|------|------|------|
| 1000    | 100  | 135  | 240  | 305  | 380  | 435  |
| 3000    | 140  | 210  | 350  | 440  | 575  | 580  |
| 5000    | 165  | 255  | 420  | 570  | 690  | 710  |
| 10,000  | 210  | 340  | 540  | 700  | 870  | 1000 |
| 20,000  | 260  | 435  | 680  | 870  | 1090 | 1305 |
| 30,000  | 290  | 525  | 800  | 1030 | 1300 | 1520 |
| 40,000  | 315  | 610  | 870  | 1150 | 1390 | 1700 |
| 50,000  | 340  | 650  | 915  | 1215 | 1520 | 1820 |
| 60,000  | 350  | 735  | 1050 | 1300 | 1650 | 1980 |
| 80,000  | 390  | 785  | 1130 | 1500 | 1780 | 2180 |
| 100,000 | 420  | 830  | 1210 | 1600 | 2000 | 2400 |
| 200,000 | 525  | 1100 | 1600 | 2000 | 2520 | 3050 |

\*RMS Symmetrical Amps Short-Circuit

NOTE: To calculate  $I_p$  ( $I_{peak}$ ) multiply  $I_{RMS}$  value x 2.3.

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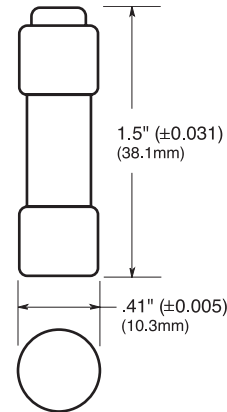
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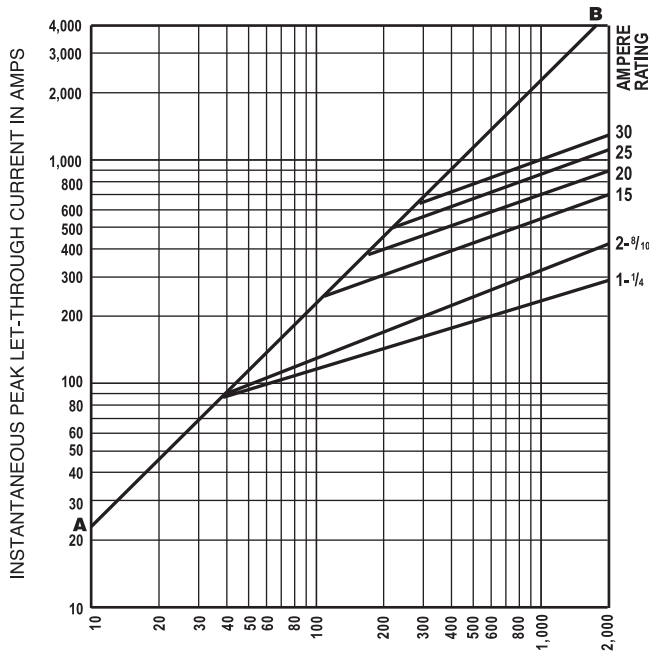
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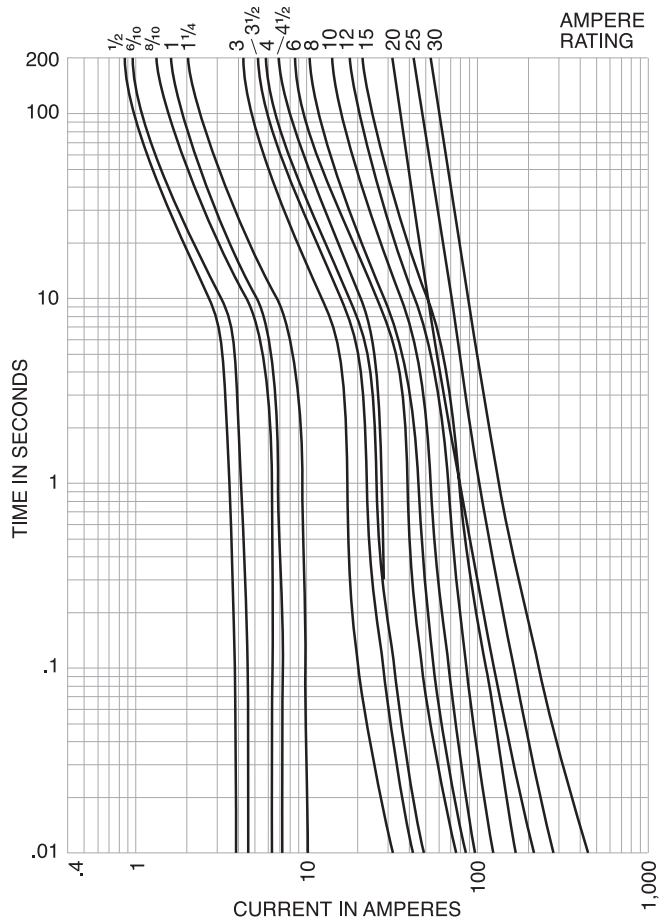
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