

# LOW-PEAK®

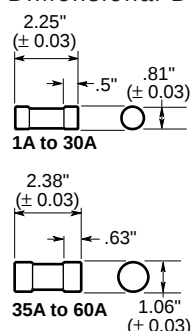
## Dual-Element Time-Delay Fuses

### Class J – 600 Volt

LPJ  
1-60 Amps



#### Dimensional Data



Catalog Symbol: LPJ\_SP

Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current

Current-Limiting

Ampere Rating: 1 to 60A

Voltage Rating: 600Vac (or less)

300Vdc (or less)

Interrupting Rating: 300,000A RMS Sym. (UL)

100,000A dc

Agency Information:

UL Listed — Special Purpose\*, Guide JFHR, File E56412

CSA Certified, 200,000 AIR, Class J per CSA 22.2 No. 248.8

Class 1422-02, File 53787

\*Meets all performance requirements of UL Standard 248-8 for Class J fuses.

#### Catalog Symbol and Ampere Ratings

|          |          |           |          |
|----------|----------|-----------|----------|
| LPJ-1SP  | LPJ-3SP  | LPJ-7SP   | LPJ-25SP |
| LPJ-1¼SP | LPJ-3¾SP | LPJ-8SP   | LPJ-30SP |
| LPJ-1⅝SP | LPJ-3½SP | LPJ-9SP   | LPJ-35SP |
| LPJ-1⅞SP | LPJ-4SP  | LPJ-10SP  | LPJ-40SP |
| LPJ-2SP  | LPJ-4½SP | LPJ-12SP  | LPJ-45SP |
| LPJ-2¼SP | LPJ-5SP  | LPJ-15SP  | LPJ-50SP |
| LPJ-2½SP | LPJ-5½SP | LPJ-17½SP | LPJ-60SP |
| LPJ-2⅞SP | LPJ-6SP  | LPJ-20SP  |          |

#### Carton Quantity and Weight

| Ampere Ratings | Carton Qty. | Weight** |       |
|----------------|-------------|----------|-------|
|                |             | Lbs.     | Kg.   |
| 1-30           | 10          | 1.09     | 0.494 |
| 35-60          | 10          | 1.78     | 0.808 |

\*\*Weight per carton.

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

#### General Information:

- True dual-element fuses with a minimum 10 second time-delay at 500% overload.
- Long time-delay minimizes needless fuse openings due to temporary overloads and transient surges.
- Can often be sized for back-up protection against motor burnout from overload or single-phasing if other overload protective devices fail.
- High interrupting rating to safely interrupt overcurrents up to 300,000A.
- High degree of current limitation due to the fast speed-of-response to short-circuits.
- Faster response to damaging short-circuit currents than mechanical overcurrent protective devices.
- Reduces let-through thermal and magnetic forces in order to protect low withstand rated components.
- Proper sizing provides "no damage" Type "2" coordinated protection for NEMA and IEC motor control in accordance with IEC Standard 947-4-1.
- Dual-element fuses have lower resistance than ordinary fuses so they run cooler.
- Lower watts loss reduces power consumption.
- Unique dimensions assure that another class of fuse with a lesser voltage rating, interrupting rating or current-limiting ability cannot be substituted.
- Space-saving package for equipment down sizing.



Recommended fuseblocks/fuseholders for Class J 600V fuses

See Data Sheets listed below

- Finger-safe fuseholders - 1152
- Open fuseblocks - 1114
- Open pyramid fuseblocks - 1108

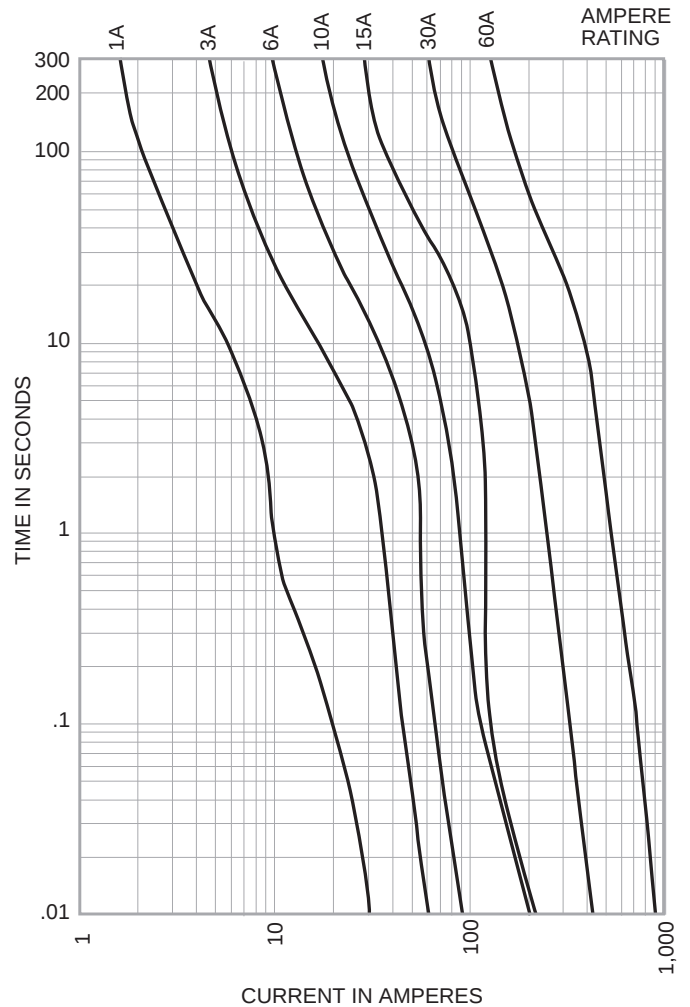
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Time-Current Characteristic Curves—Average Melt



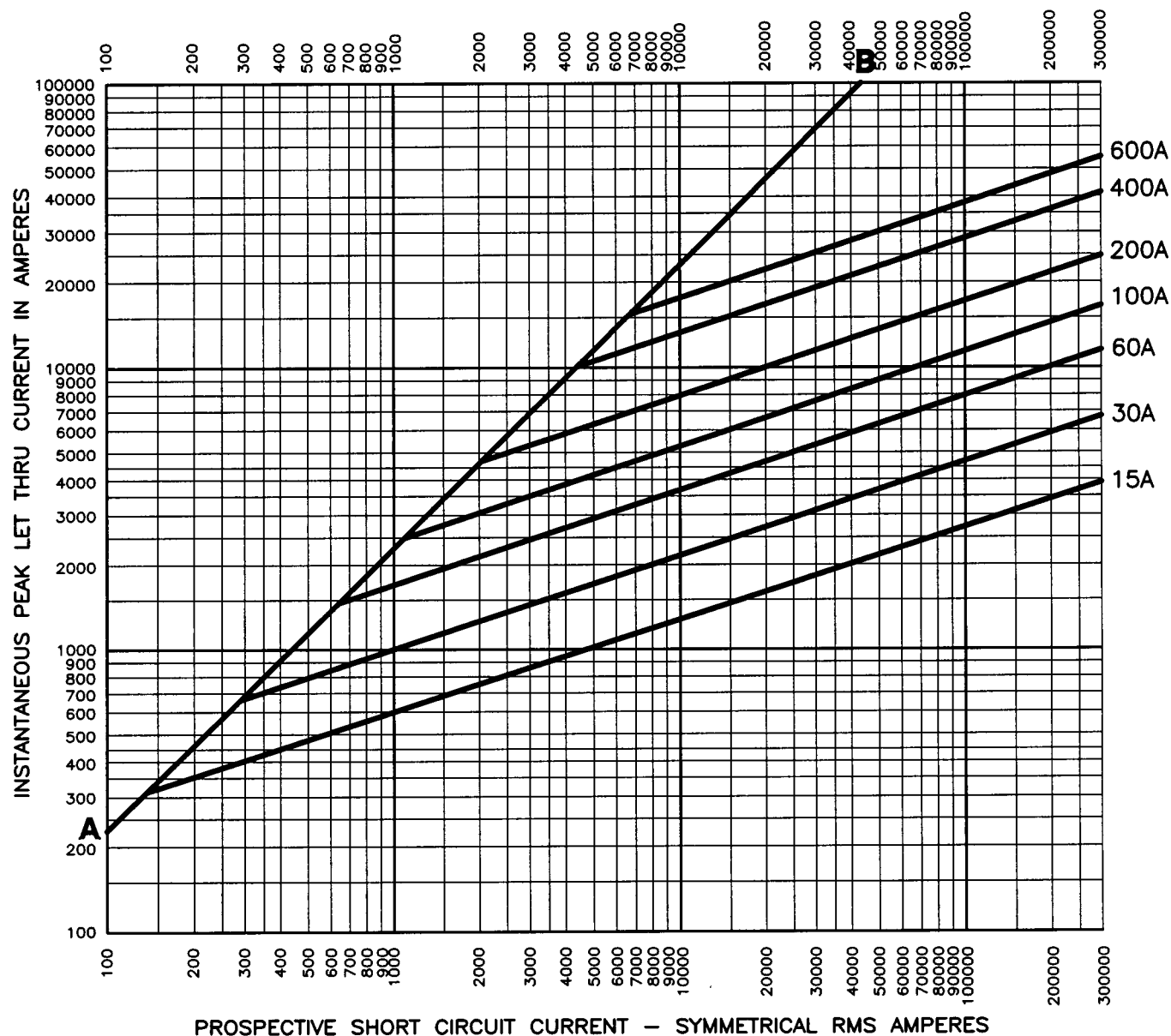
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Dual-Element Time-Delay Fuses  
Class J – 600 Volt

**LPJ**

1-60 Amps

## Current Limitation Curves



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