

LOW-PEAK®

Dual-Element Time-Delay Fuses

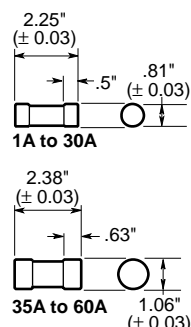
Class J – 600 Volt

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 60 Amperes

Voltage Rating: 600 Volts AC (or less)†

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

Agency Approval:

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

† 0-600A is rated 300 VDC and 20 KAIC.

*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-1 $\frac{1}{4}$ SP	LPJ-3 $\frac{2}{10}$ SP	LPJ-8SP	LPJ-30SP
LPJ-1 $\frac{9}{10}$ SP	LPJ-3 $\frac{1}{2}$ SP	LPJ-9SP	LPJ-35SP
LPJ-1 $\frac{8}{10}$ SP	LPJ-4SP	LPJ-10SP	LPJ-40SP
LPJ-2SP	LPJ-4 $\frac{1}{2}$ SP	LPJ-12SP	LPJ-45SP
LPJ-2 $\frac{1}{4}$ SP	LPJ-5SP	LPJ-15SP	LPJ-50SP
LPJ-2 $\frac{1}{2}$ SP	LPJ-5 $\frac{9}{10}$ SP	LPJ-17 $\frac{1}{2}$ SP	LPJ-60SP
LPJ-2 $\frac{9}{10}$ SP	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 (50-1000 VAC, 75-1500 VDC). Refer to BIF document #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 300,000 amperes.
- 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.

Pyramid® J Fuseblock; 30A, 600V; 3-Pole; Panel or 35mm DIN-Rail Mount

Mounting	Catalog Numbers		
	Screws with	Box	
	Pressure Plate	Aluminum	Copper Only
Panel	JP60030-3PR (#10-14 Cu Wire)	JP60030-3CR (#2-8 Al or #2-14 Cu)	JP60030-3COR (#2-14 Cu)
With DIN-Rail Adapter*	JP60030-3PRA (#10-14 Cu Wire)	JP60030-3CRA (#2-8 Al or #2-14 Cu)	JP60030-CORA (#2-14 Cu)

*Adapter Only for DIN-Rail (35mm symmetrical) - Cat No. JPA-3.

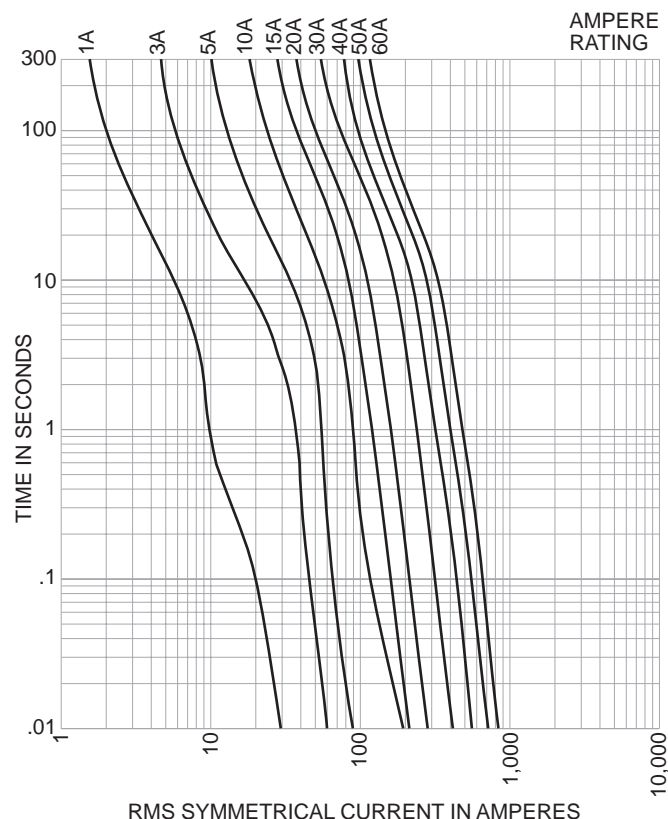
Standard J Fuseblocks (600V) Catalog Data

Amps	Poles	Screw	Pressure Plate	Box Lug	Box Lug w/ Retaining Clip	Max. Wire Size
1-30	1	J60030-1S	J60030-1P	J60030-1C	J60030-1CR	S, P #10Cu C, CR #2Cu-Al
	2	J60030-2S	J60030-2P	J60030-2C	J60030-2CR	
	3	J60030-3S	J60030-3P	J60030-3C	J60030-3CR	
35-60	1	—	—	J60060-1C	J60060-1CR	#2Cu-Al
	2	—	—	J60060-2C	J60060-2CR	
	3	—	—	J60060-3C	J60060-3CR	

LOW-PEAK®
Dual-Element Time-Delay Fuses
Class J – 600 Volt

LPJ
1-60 Amps

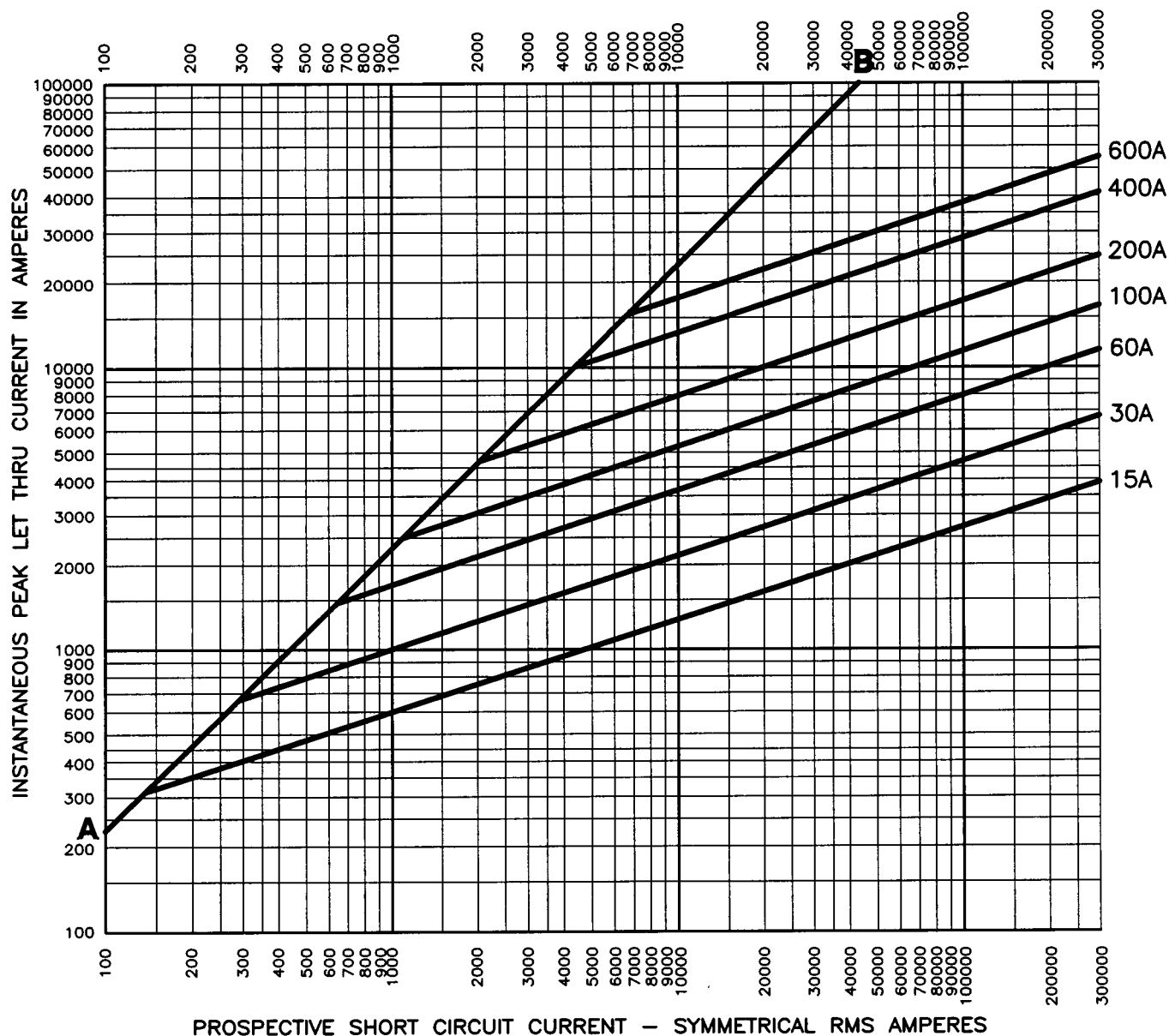
Time-Current Characteristic Curves—Average Melt



LOW-PEAK® Dual-Element Time-Delay Fuses Class J - 600 Volt

LPJ
1-60 Amps

Current Limitation Curves



The only controlled copy of this BIF document is the electronic read-only version located on the Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.