

## LPJ - 600Vac/300Vdc, 1-60A, Dual Element, Time-Delay Fuses





Available with easyID™ open fuse indication

**Description:** Ultimate protection Class J dual element, current-limiting, time-delay fuses available with optional open fuse indication. Time-delay – 10 seconds (minimum) at 500% of rated current.

Catalog Symbol: LPJ-(amp)SP (non-indicating) LPJ-(amp)SPI (indicating)

### Ratings:

Volts - 600Vac, 300Vdc

Amps - 1-60A

IR - 300kA Vac RMS Sym.

100kA Vdc

#### **Agency Information:**

CE, UL Listed, Guide JDDZ, File E4273 CSA Certified, Class 1422-02, File 53787, Class J per CSA 22.2 No. 248.

## Catalog Numbers (amps) - Non-indicating Fuses

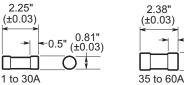
LPJ-1SP	LPJ-3SP	LPJ-7SP*	LPJ-25SP*
LPJ-11/4SP	LPJ-3%SP	LPJ-8SP*	LPJ-30SP*
LPJ-1%SP	LPJ-3½SP	LPJ-9SP*	LPJ-35SP*
LPJ-1%SP	LPJ-4SP	LPJ-10SP*	LPJ-40SP*
LPJ-2SP	LPJ-4½SP	LPJ-12SP*	LPJ-45SP*
LPJ-2 <sup>1</sup> / <sub>4</sub> SP	LPJ-5SP	LPJ-15SP*	LPJ-50SP*
LPJ-2½SP	LPJ-5%SP	LPJ-17½SP*	LPJ-60SP*
LPJ-2%SP	LPJ-6SP*	LPJ-20SP*	

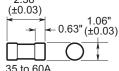
Open fuse indication available by inserting the suffix "I," e.g., LPJ-15SPI.
 Requires 75Vac minimum voltage.

### **Carton Quantity:**

Amp Rating	Carton Qty.	
1–60	10	

#### Dimensions - in





#### Features:

- Industry's only UL Listed and CSA Certified fuse with a 300kA interrupting rating that allows for simple, worry-free installation in virtually any application.
- Fast short-circuit protection and dual-element, time-delay performance provide ultimate protection.
- Reduces existing fuse inventory by up to 33% when upgrading to Low-Peak fuses.
- Consistent 2:1 ampacity ratios for all Low-Peak fuses make selective coordination easy.
- Long time-delay minimizes needless fuse openings due to temporary overloads and transient surges.
- Current-limitation protects downstream components against damaging thermal and magnetic effects of short-circuit currents.
- Dual-element fuses have lower resistance than ordinary fuses so they run cooler. Can often be sized for back-up protection against motor burnout from overload or singlephasing if other overload protective devices fail.
- Proper sizing can provide "no damage" Type 2 coordinated protection for NEMA and IEC motor controllers.
- Space-saving package for equipment downsizing.

## **Recommended Fuse Blocks and Holders**

1-Pole	2-Pole	3-Pole		
Open Blocks				
J60030-1_	J60030-2_	J60030-3_		
J60060-1_	J60060-2_	J60060-3_		
"Pyramid" Blocks				
_	_	JP60030-3_		
CH Series Holders				
CH30J1_	CH30J2_	CH30J3_		
CH60J1_	CH60J2_	CH60J3_		
Safety J™ Holders				
JT60030_	_	_		
JT60060_	_	_		
	Oper J60030-1_ J60060-1_ "Pyram CH Seri CH30J1_ CH60J1_ Safety U	Open Blocks           J60030-1_         J60030-2_           J60060-1_         J60060-2_           "Pyramid" Blocks           -         -           CH Series Holders           CH30J1_         CH30J2_           CH60J1_         CH60J2_           Safety J™ Holders           JT60030_         -		

For additional information on the Class J fuse blocks and holders, see data sheets # 1114 (open blocks), #1108 (pyramid blocks), # 2144 (CH Series) and # 1152 (Safety J).

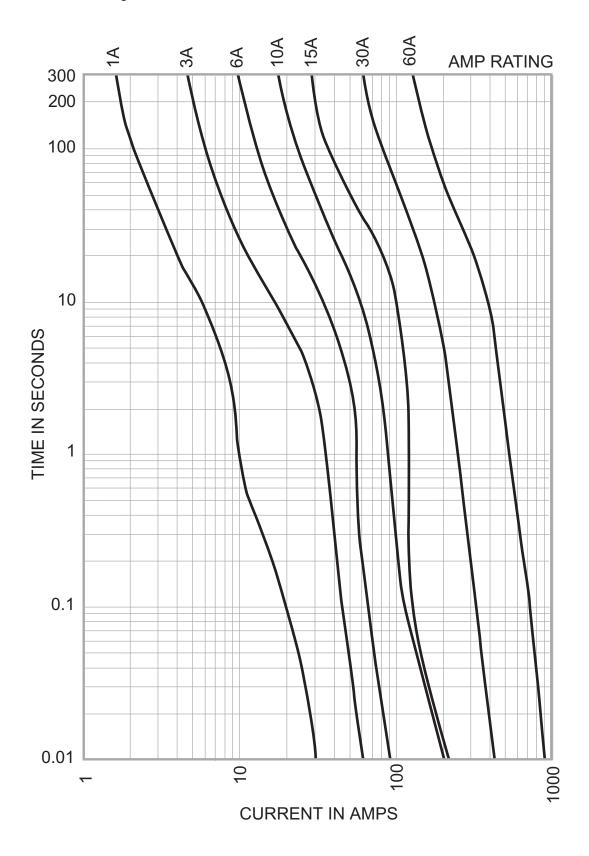
#### **Fuse Reducers For Class J Fuses**

Equipment	Desired Fuse	Catalog Numbers
Fuse Clips	(Case) Size	(Pairs)
60A	30A	J-63
100A	30A	J-13
	60A	J-16
200A	60A	J-26 <sup>†</sup>

<sup>†</sup> Not for bolt-in applications.

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**Time-Current Curves - Average Melt** 

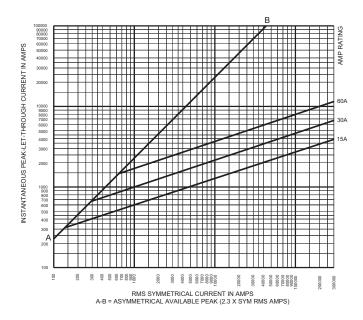


# Low-Peak™ Class J



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#### **Current-Limitation Curves**



### **Current-Limiting Effects**

Prosp.		Let-Through Current		
S.C.C.	(Apparent RMS	(Apparent RMS Symmetrical Vs. Fuse Rating)		
	15A	30A	60A	
1000	1000	1000	1000	
3000	1000	1000	1000	
5000	1000	1000	1000	
10,000	1000	1000	2000	
15,000	1000	1000	2000	
20,000	1000	1000	2000	
25,000	1000	1000	2000	
30,000	1000	1000	2000	
35,000	1000	1000	2000	
40,000	1000	2000	3000	
50,000	1000	2000	3000	
60,000	1000	2000	3000	
80,000	1000	2000	3000	
100,000	1000	2000	4000	
150,000	1000	2000	4000	
200,000	2000	3000	4000	
250,000	2000	3000	5000	
300,000	2000	3000	5000	

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