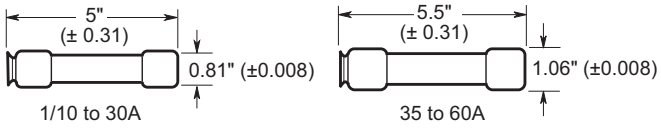
Low-Peak™ 600V Class RK1

LPS-RK — 600Vac/300Vdc, 1/10-60A, Dual Element, Time-Delay Fuses

Available with easyID™
open fuse indication

Dimensions - in



Description: Ultimate protection Class RK1 dual element, current-limiting, time-delay fuses available with optional open fuse indication on select ratings. Time-delay – 10 seconds (minimum) at 500% of rated current.

Catalog Symbol: LPS-RK-(amp)SP (non-indicating)
LPS-RK-(amp)SPI (indicating)

Rating:

Volts — 600Vac, 300Vdc
Amps — 1/10-60A
IR — 300kA Vac RMS Sym.
— 100kA DC

Agency Information:

CE, UL Listed, Guide JDDZ, File E4273

CSA Certified, Class 1422-02, File 53787
Class RK1 per CSA C22.2, No. 248.12

Catalog Numbers (amps) – Non-indicating fuses

LPS-RK-1/10SP	LPS-RK-1 1/2SP	LPS-RK-5SP	LPS-RK-20SP*
LPS-RK-2/10SP	LPS-RK-1 9/10SP	LPS-RK-5 6/10SP	LPS-RK-25SP*
LPS-RK-3/10SP	LPS-RK-1 9/10SP	LPS-RK-6SP*	LPS-RK-30SP*
LPS-RK-4/10SP	LPS-RK-2 1/4SP	LPS-RK-6 1/4SP*	LPS-RK-35SP*
LPS-RK-1/2SP	LPS-RK-2 1/2SP	LPS-RK-7SP*	LPS-RK-40SP*
LPS-RK-6/10SP	LPS-RK-2 8/10SP	LPS-RK-8SP*	LPS-RK-45SP*
LPS-RK-8/10SP	LPS-RK-3SP	LPS-RK-9SP*	LPS-RK-50SP*
LPS-RK-1SP	LPS-RK-3 2/10SP	LPS-RK-10SP*	LPS-RK-60SP*
LPS-RK-1 1/8SP	LPS-RK-3 1/2SP	LPS-RK-12SP*	
LPS-RK-1 1/4SP	LPS-RK-4SP	LPS-RK-15SP*	
LPS-RK-1 7/10SP	LPS-RK-4 1/2SP	LPS-RK-17 1/2SP*	

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

Carton Quantity and Weight

Amp Rating	Carton Qty.
0–30	10
35–60	10

Features:

- Industry's only UL Listed and CSA Certified fuse with a 300kA Vac interrupting rating that exceeds requirements for virtually all applications
- Current-limitation for maximum short-circuit protection
- Easy selective coordination with all Low-Peak fuses using simple 2:1 ampacity ratio
- "No damage" Type "2" protection for IEC and NEMA starters when properly sized
- High inrush current motor protection
- Time-delay permits 130% FLA sizing for back-up motor protection
- Protection against single-phase motor damage
- Low watt loss power consumption

Applications:

- Feeder and Branch Circuits
- Motors
- Transformers
- Solenoids
- General Purpose Circuits

Recommended Fuse Blocks

Fuse Amps	1-Pole	2-Pole	3-Pole
0-30	R60030-1	R60030-2	R60030-3
35-60	R60060-1	R60060-2	R60060-3

For additional information on the R600 Series of 600 volt fuse blocks, see data sheet # 1111.

Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Numbers (Pairs) 600V
60A	30A	NO.663-R
100A	30A	NO.216-R
	60A	NO.616-R
200A	60A	NO.626-R

For additional information on Class R fuse reducers, see Data Sheet 1118.

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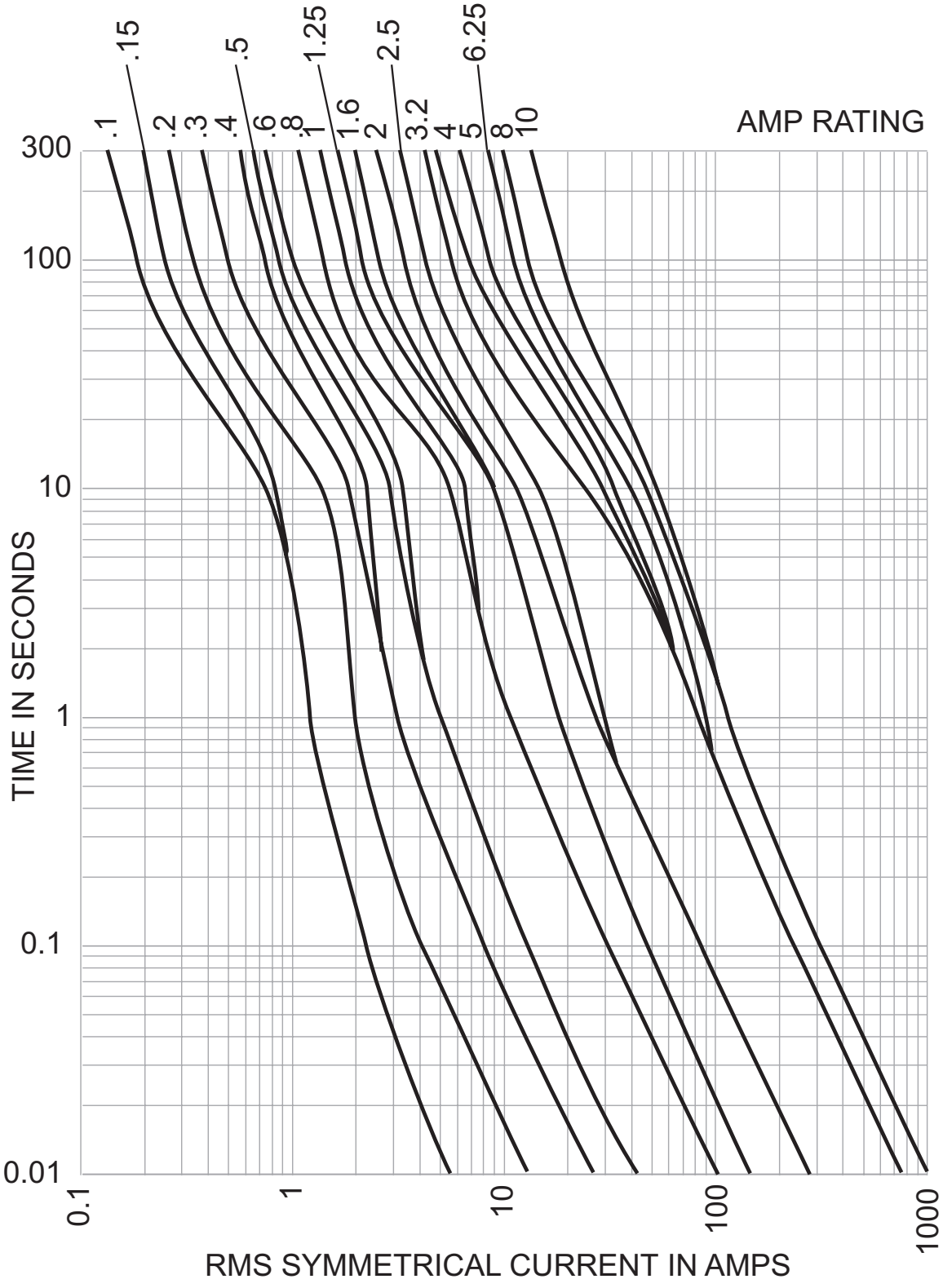
Time-Current Characteristic Curves–Average Melt

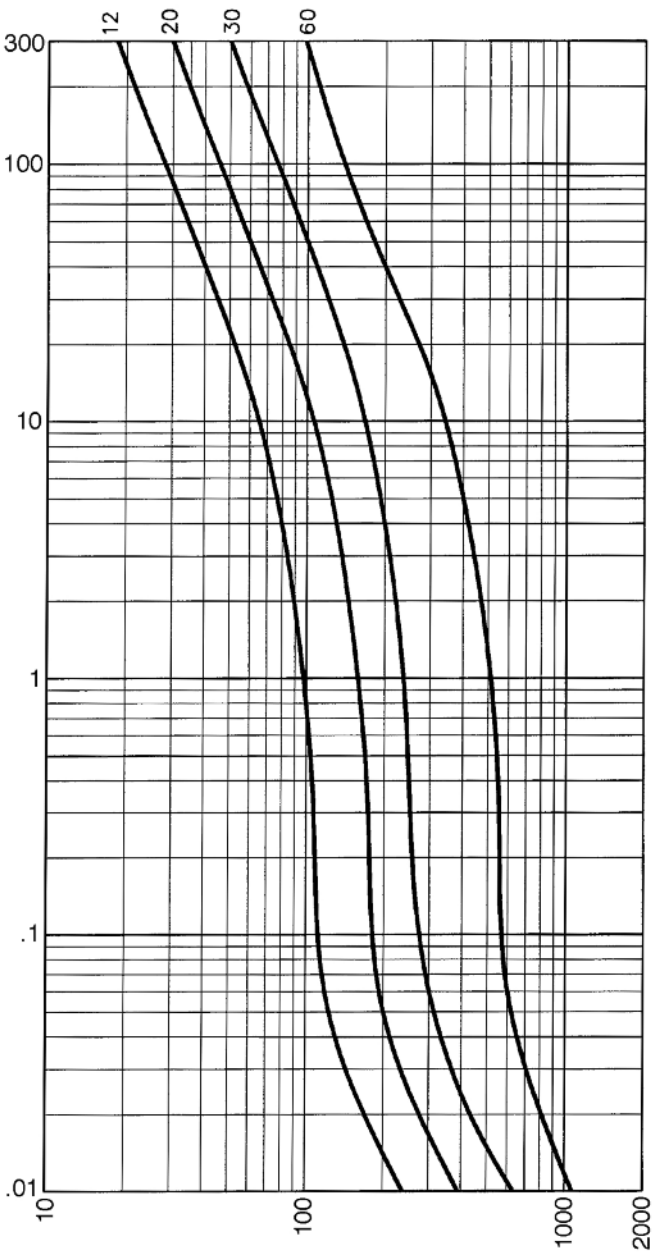
1 to 10 Amps



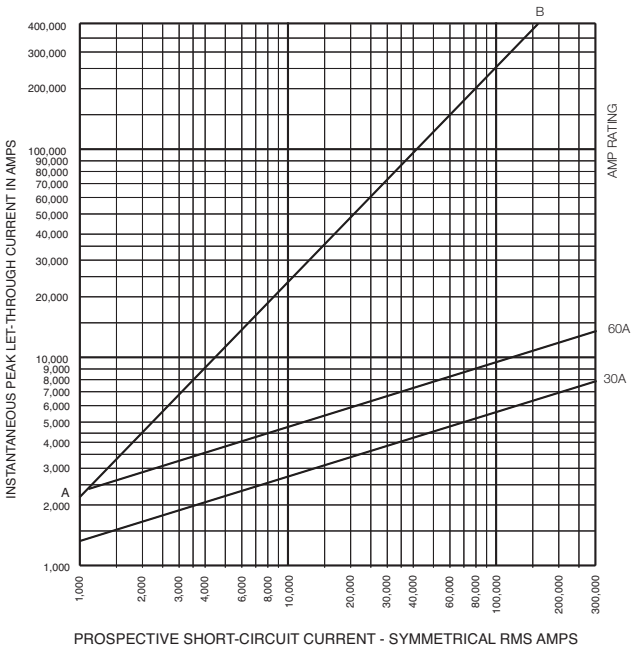
LPS-RK — 600Vac/300Vdc, ⅒-60A, Dual Element, Time-Delay Fuses

Time-Current Characteristic Curves–Average Melt

12 to 60 Amps



Current-Limitation Curves



Current-Limiting Effects

Prosp. S.C.C.	Let-Through Current (Apparent RMS Symmetrical Vs. Fuse Rating)	
	30A	60A
1000	1000	1000
2000	1000	1000
3000	1000	1000
5000	1000	2000
10,000	1000	2000
15,000	1000	2000
20,000	2000	3000
25,000	2000	3000
30,000	2000	3000
35,000	2000	3000
40,000	2000	3000
50,000	2000	3000
60,000	2000	4000
70,000	2000	4000
80,000	2000	4000
90,000	2000	4000
100,000	2000	4000
150,000	3000	5000
200,000	3000	5000
250,000	3000	6000
300,000	3000	6000