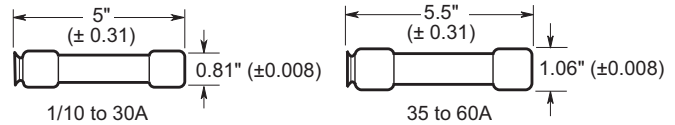


LPS-RK — 600Vac/300Vdc, 1/10-60A, Dual Element, Time-Delay Fuses



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-1/20SP	LPS-RK-1 1/10SP	LPS-RK-5 1/20SP	LPS-RK-25SP*
LPS-RK-1/30SP	LPS-RK-1 1/20SP	LPS-RK-6SP*	LPS-RK-30SP*
LPS-RK-1/40SP	LPS-RK-2 1/20SP	LPS-RK-6 1/20SP*	LPS-RK-35SP*
LPS-RK-1/50SP	LPS-RK-2 1/10SP	LPS-RK-7SP*	LPS-RK-40SP*
LPS-RK-1/60SP	LPS-RK-2 1/20SP	LPS-RK-8SP*	LPS-RK-45SP*
LPS-RK-1/75SP	LPS-RK-3SP	LPS-RK-9SP*	LPS-RK-50SP*
LPS-RK-1SP	LPS-RK-3 1/20SP	LPS-RK-10SP*	LPS-RK-60SP*
LPS-RK-1 1/10SP	LPS-RK-3 1/10SP	LPS-RK-12SP*	
LPS-RK-1 1/20SP	LPS-RK-4SP	LPS-RK-15SP*	
LPS-RK-1 1/30SP	LPS-RK-4 1/20SP	LPS-RK-17 1/20SP*	

* 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.

LPS-RK — 600Vac/300Vdc, 70-600A, Dual Element, Time-Delay Fuses



Available with easyID™
open fuse indication

Description: Ultimate protection Class RK1 current-limiting, dual element, time-delay fuses available with optional open fuse indication.

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

Ratings:

- Volts — 600Vac, 300Vdc
- Amps — 70-600A
- IR — 300kA Vac RMS Sym.
- 100kA Vdc

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*

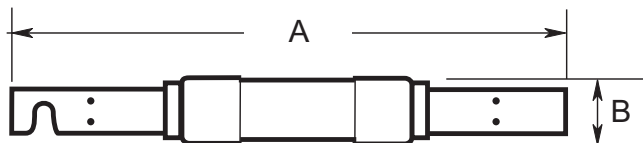
LPS-RK-70SP	LPS-RK-150SP	LPS-RK-350SP
LPS-RK-80SP	LPS-RK-175SP	LPS-RK-400SP
LPS-RK-90SP	LPS-RK-200SP	LPS-RK-450SP
LPS-RK-100SP	LPS-RK-225SP	LPS-RK-500SP
LPS-RK-110SP	LPS-RK-250SP	LPS-RK-600SP
LPS-RK-125SP	LPS-RK-300SP	

* Open fuse indication available on all part numbers by inserting the suffix "I,"
e.g., LPS-RK-90SPI. Requires 75Vac minimum voltage.

Carton Quantity and Weight

Amp Rating	Carton Qty.
70-100	1
110-200	1
225-400	1
450-600	1

Dimensions — in



Amp Rating	A	B
70-100	7.88 (± 0.062)	1.11 (± 0.02)
110-200	9.63 (± 0.062)	1.61 (± 0.02)
225-400	11.63 (± 0.094)	2.36 (± 0.02)
450-600	13.38 (± 0.094)	2.88 (± 0.02)

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 and reduced arc flash hazard
- 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 overload protection and single-phasing protection
- Low watt loss power consumption
- Electrically isolated end caps for additional safety

Applications:

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

Recommended Fuse Blocks

Fuse Amps	1-Pole	2-Pole	3-Pole
70-100	RM60100-1CR	RM60100-2CR	RM60100-3CR
110-200	RM60200-1CR	RM60200-2CR	RM60200-3CR
225-400	RM60400-1CR	RM60400-2CR	RM60400-3CR
450-600	RM60600-1CR	RM60600-2CR	RM60100-3CR

For additional information on the RM Series of 600 volt fuse blocks, see product brochure # 3192.

Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Numbers (Pairs) 600V
200A	100A	NO.2621-R
	200A	NO.2641-R
400A	100A	NO.642-R
	200A	NO.2661-R
600A	200A	NO.2662-R
	400A	NO.2664-R†

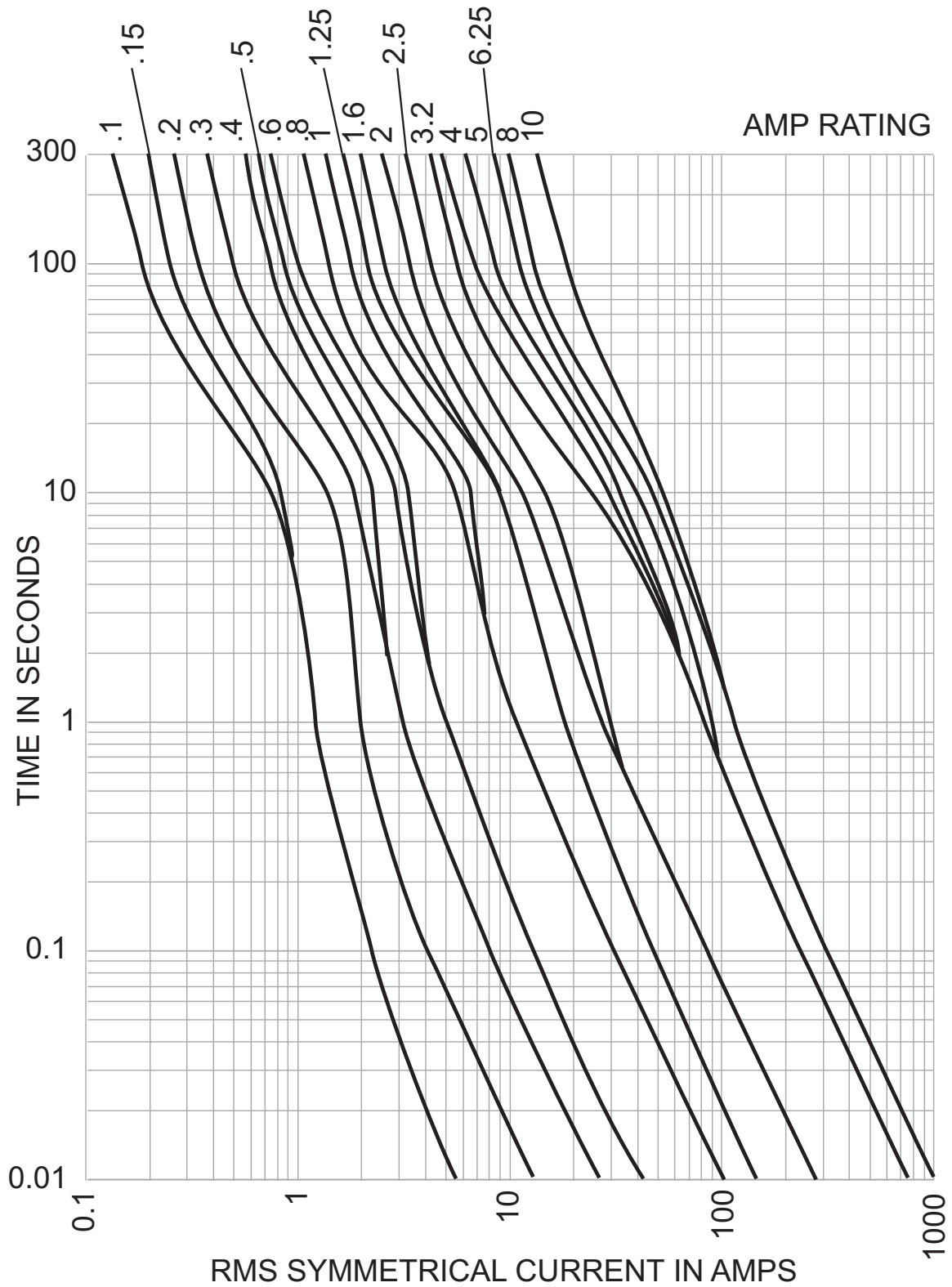
† Single reducer only (pair not required).

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

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

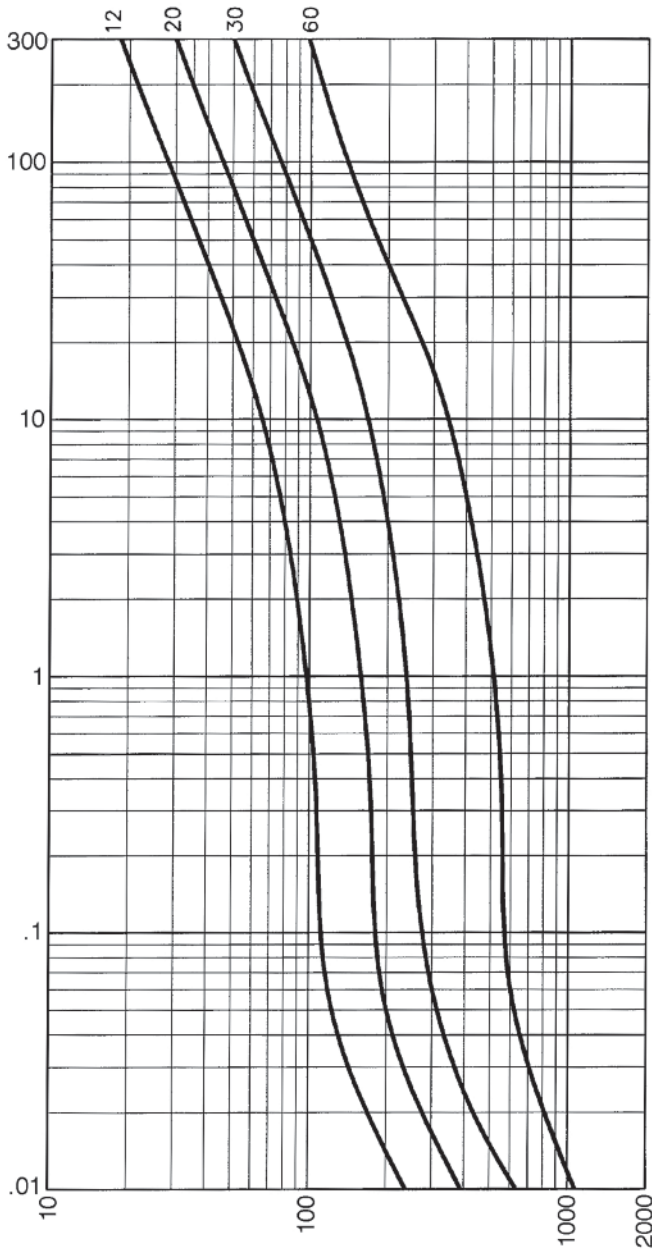
Time-Current Characteristic Curves—Average Melt

1 to 10 Amps

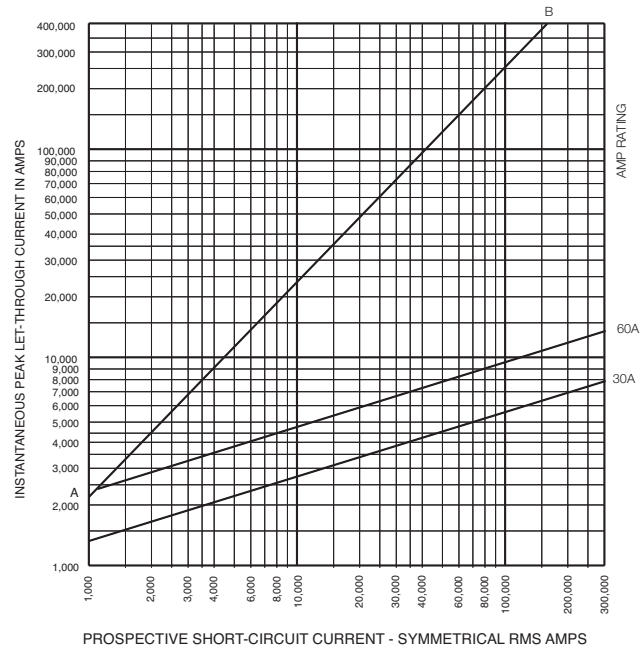


LPS-RK — 600Vac/300Vdc, 1/10-60A, Dual Element, Time-Delay Fuses

Time-Current Characteristic Curves—Average Melt 12 to 60 Amps



Current-Limitation Curves



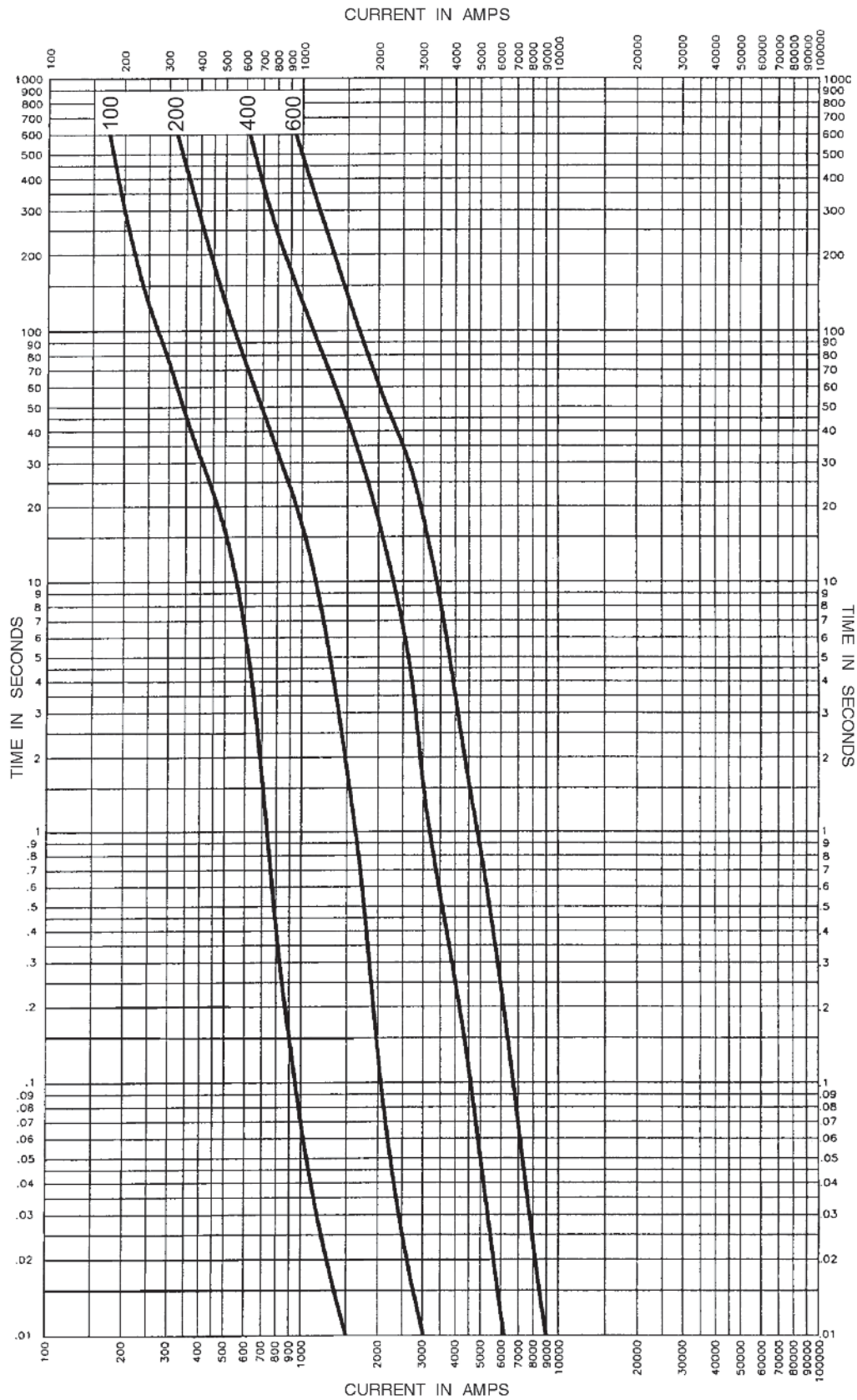
Current-Limiting Effects

Prop. 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

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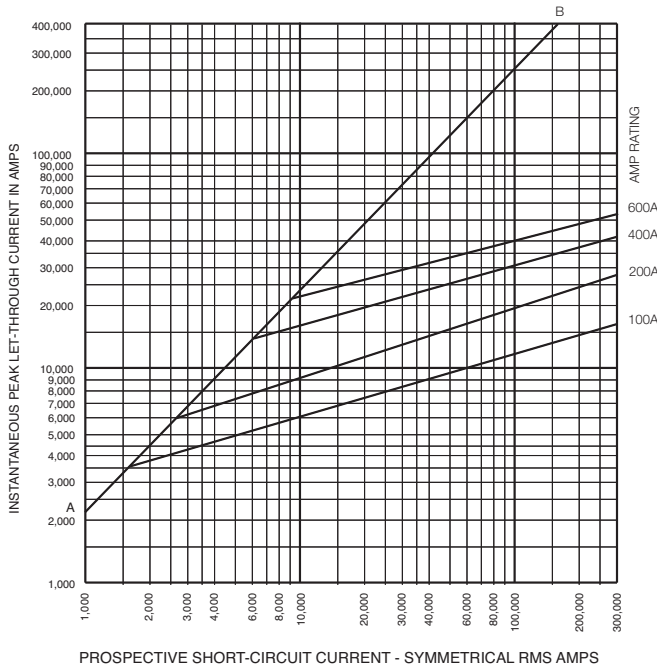
LPS-RK — 600Vac/300Vdc, 70-600A, Dual Element, Time-Delay Fuses

Time-Current Curves - Average Melt



LPS-RK — 600Vac/300Vdc, 70-600A, Dual Element, Time-Delay Fuses

Current-Limitation Curves



Current-Limiting Effects

Prosp. S.C.C.	Let-Through Current (Apparent RMS Symmetrical Vs. Fuse Rating)			
	100A	200A	400A	600A
1000	1000	1000	1000	1000
2000	2000	2000	2000	2000
3000	2000	3000	3000	3000
5000	2000	3000	5000	5000
10,000	3000	4000	7000	10,000
15,000	3000	5000	8000	11,000
20,000	3000	5000	9000	12,000
25,000	4000	6000	9000	12,000
30,000	4000	6000	10,000	13,000
35,000	4000	6000	10,000	13,000
40,000	4000	6000	10,000	14,000
50,000	5000	7000	11,000	15,000
60,000	5000	7000	12,000	15,000
70,000	5000	8000	13,000	16,000
80,000	5000	8000	13,000	16,000
90,000	5000	8000	13,000	17,000
100,000	6000	9000	14,000	17,000
150,000	6000	10,000	15,000	19,000
200,000	7000	11,000	16,000	21,000
250,000	7000	12,000	17,000	22,000
300,000	7000	12,000	18,000	23,000

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