LPS-RK — 600 Vac/300 Vdc, 70-600 A, dual element, time-delay fuses

Catalog symbols:

- LPS-RK-(amp)SP (non-indicating)
- LPS-RK-(amp)SPI (indicating)

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

Specifications:

Ratings

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

* Indicating versions not Vdc rated.

Agency information

- UL Listed, Guide JDDZ, File E4273
- CSA Certified, Class 1422-02, File 53787, Class RK1 per CSA C22.2 No. 248.12
- CE

Catalog no.*		
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. Indicating fuses are not Vdc rated.

Carton quantity

- 1

Typical applications

- Feeder and branch circuits
- Motors
- Transformers
- Solenoids
- General purpose circuits

Features and benefits

- 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.
- Time-delay permits 130% FLA sizing for back-up motor protection.
- Current-limitation protects downstream components against damaging thermal and magnetic effects of short-circuit currents.
- Protects against single-phase motor damage.
- Proper sizing can provide "no damage" Type 2 coordinated protection for NEMA and IEC motor controllers.

Recommended fuse blocks

	Catalog no.		
Amps	**1-Pole**	**2-Pole**	**3-Pole**
100	RM60100-1CR	RM60100-2CR	RM60100-3CR
200	RM60200-1CR	RM60200-2CR	RM60200-3CR
400	RM60400-1CR	RM60400-2CR	RM60400-3CR
600	RM60600-1CR	RM60600-2CR	RM60100-3CR

For additional information on the RM600 600 volt fuse blocks, see product brochure no. 3192.

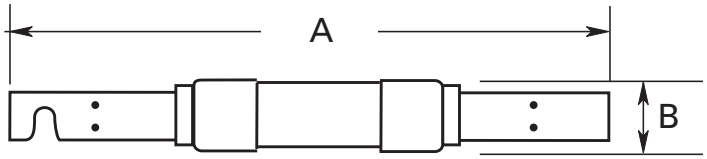
Fuse reducers for Class R fuses

Equipment fuse clips	Desired fuse (case) size	Catalog no. (pairs) 600V
200 A	100 A	NO.2621-R
400 A	100 A	NO.2641-R
	200 A	NO.642-R
600 A	100 A	NO.2661-R
	200 A	NO.2662-R
	400 A	NO.2664-R†

† Single reducer only (pair not required).

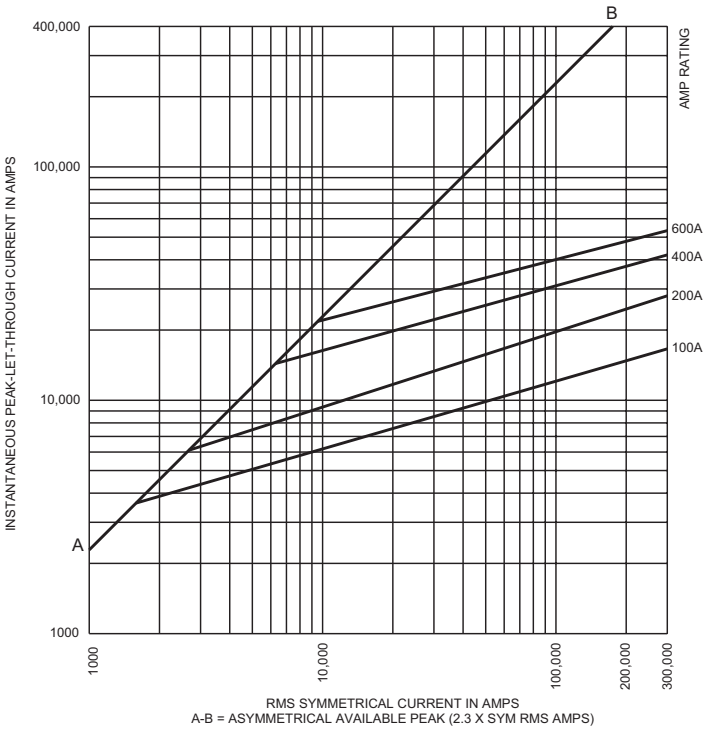
For additional information on Class R fuse reducers, see data sheet no. 1118.

Dimensions — in



Fuse amps	A	B
70-100	7.88	1.11
110-200	9.63	1.61
225-400	11.63	2.36
450-600	13.38	2.88

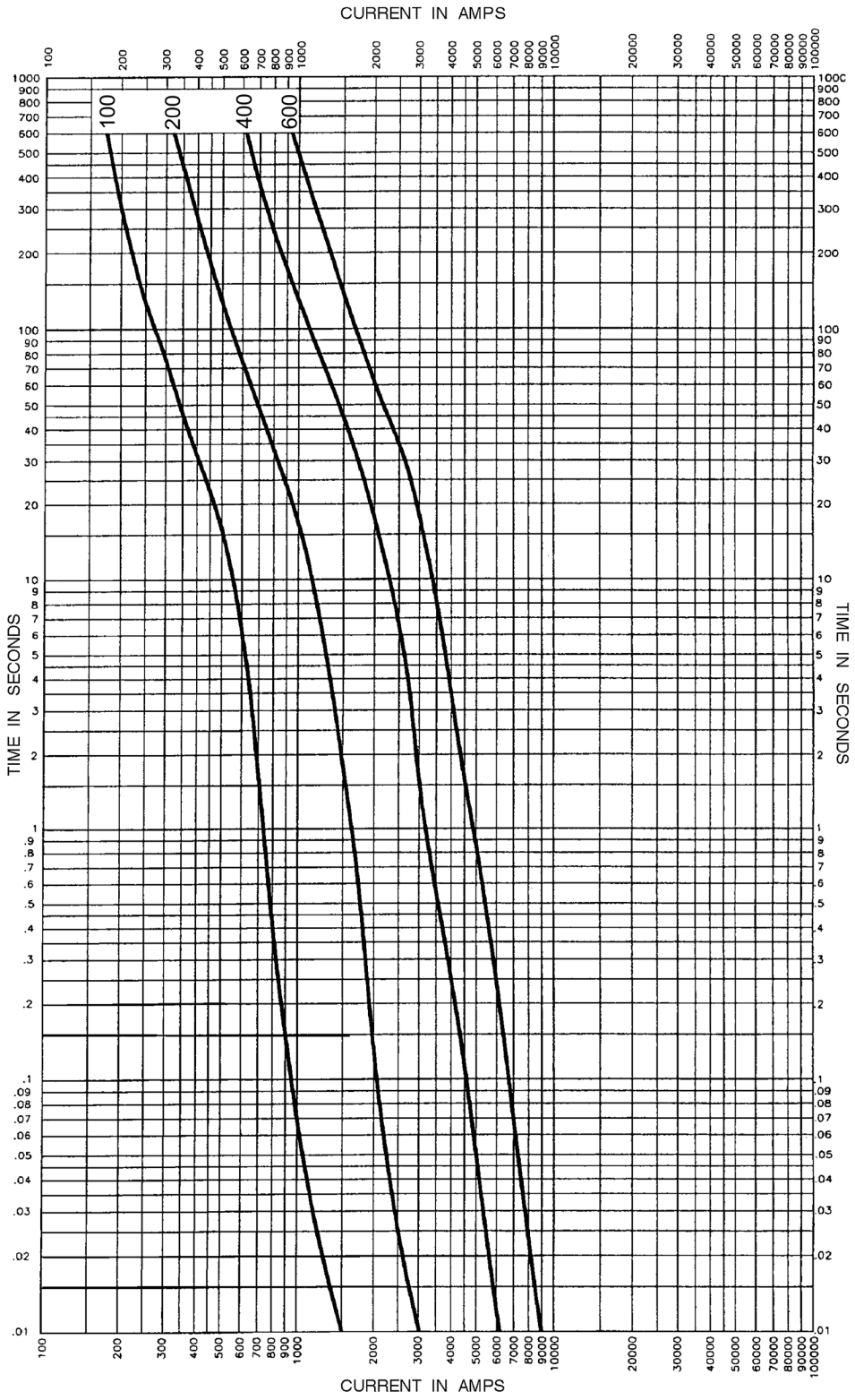
Current-limitation curves



Current-limiting effects

Prosp. S.C.C.	Let-through current (apparent RMS Sym. 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

Time-current curves - average melt



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