

KRP-C — 600Vac/300Vdc, 601-2000A, Time-Delay Fuses



Description: Ultimate protection Class L dual element, current-limiting, time-delay fuses. Time-delay – 4 seconds (minimum) at 500% of rated current.

Catalog Symbol: KRP-C-(amp)SP

Ratings:

- Volts — 600Vac, 300Vdc
- Amps — 601-2000A*
- IR — 300kA Vac RMS Sym.
- 100kA Vdc

* Use KRP-CL fuses for current ratings from 225 to 600 amps.

Agency Information:

CE, UL Listed, Guide JDDZ, File E4273
 CSA Certified, Class 1422-02, File 53787,
 Class L per CSA C22.2, No. 248.10
 RoHS Compliant

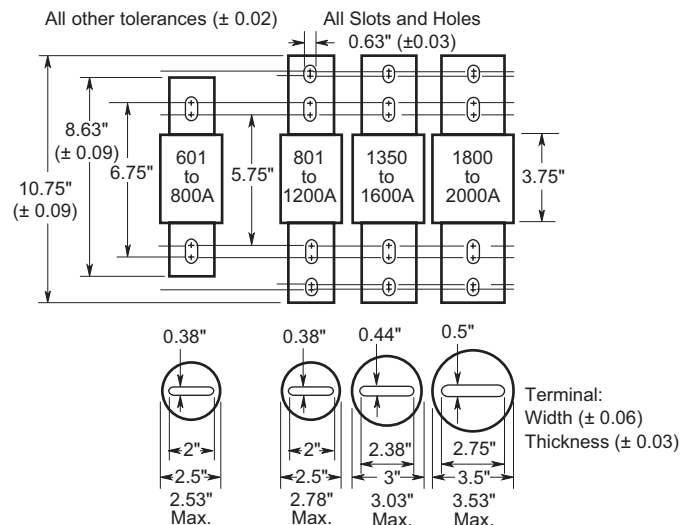
Catalog Numbers (amps)

| | | |
|-------------|--------------|--------------|
| KRP-C-601SP | KRP-C-900SP | KRP-C-1500SP |
| KRP-C-650SP | KRP-C-1000SP | KRP-C-1600SP |
| KRP-C-700SP | KRP-C-1100SP | KRP-C-1800SP |
| KRP-C-750SP | KRP-C-1200SP | KRP-C-1900SP |
| KRP-C-800SP | KRP-C-1350SP | KRP-C-2000SP |
| KRP-C-801SP | KRP-C-1400SP | |

Carton Quantity and Weight

| Amp Rating | Carton Qty. |
|------------|-------------|
| 601-800 | 1 |
| 801-1200 | 1 |
| 1350-1600 | 1 |
| 1800-2000 | 1 |

Dimensions - in



Features:

- Industry's only UL Listed and CSA Certified fuse with a 300kA Vac interrupting rating that exceeds requirements for virtually all applications
- Fast short-circuit protection provides optimal arc flash protection to reduce hazard to personnel
- Easy selective coordination with all Low-Peak fuses using simple 2:1 ampacity ratio
- All-purpose silver-linked fuse for both overload and short-circuit protection for high capacity systems (mains and large feeders)
- Time-delay for close sizing to load
- Current-limiting action of the fuse generally affords considerable reduction in bus bracing
- 300kA Interrupting rating complies with NEC® Sections 110.9 and 230.65 for today's large capacity systems
- O-ring seals maximize pressure build-up during current-limiting action and ensure filler retention
- High grade silica sand filler accelerates response of fuse to short-circuits by having quenching effect upon the fuse arc
- 99.9% pure silver links for high conductivity with low watt loss and low operating temperature at normal current levels; minimizes total clearing I²t fault energy let-through
- Glass melamine tube
- Silver-plated end bells

Recommended Fuse Blocks — 601 to 1200 Amps†

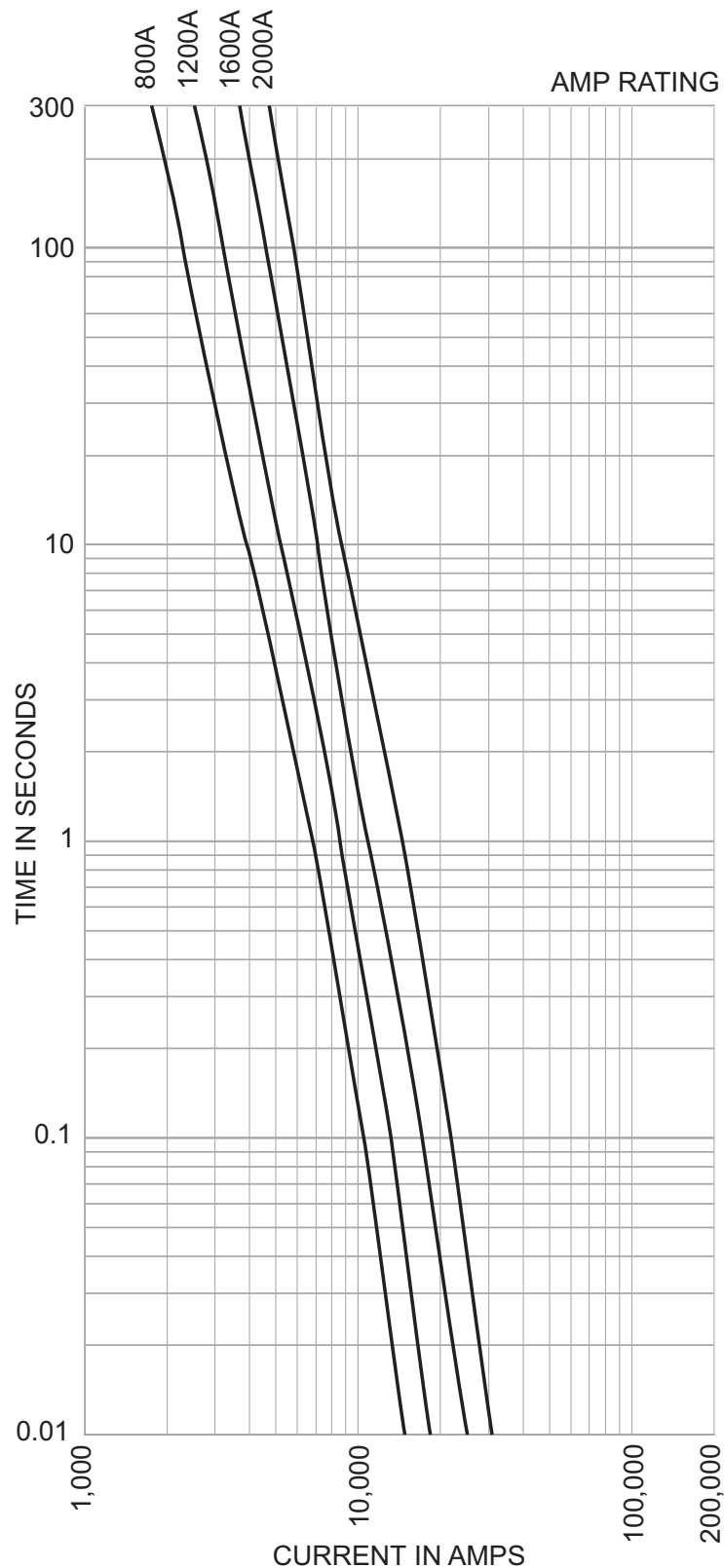
| Catalog Numbers | Poles |
|-----------------|-------|
| 51215 | 1 |
| 51235 | 3 |

† No Agency listings available.

No reducers available.

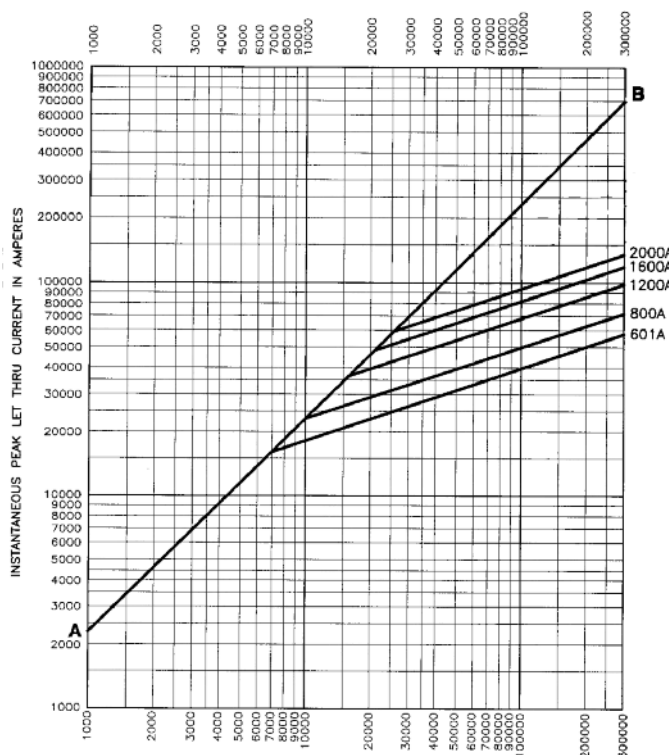
KRP-C — 600Vac/300Vdc, 601-2000A, Time-Delay Fuses

Time-Current Curves - Average Melt



KRP-C — 600Vac/300Vdc, 601-2000A, Time-Delay Fuses

Current-Limitation Curves



Current-Limiting Effects

| Prospect. S.C.C. | Let-Through Current (Apparent RMS Symmetrical Vs. Fuse Rating) | | | | |
|---------------------|---|--------|--------|--------|--------|
| | 601A | 800A | 1200A | 1600A | 2000A |
| 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| 10,000 | 8000 | 10,000 | 10,000 | 10,000 | 10,000 |
| 15,000 | 9000 | 12,000 | 15,000 | 15,000 | 15,000 |
| 20,000 | 10,000 | 13,000 | 17,000 | 20,000 | 20,000 |
| 25,000 | 11,000 | 14,000 | 19,000 | 22,000 | 25,000 |
| 30,000 | 11,000 | 14,000 | 20,000 | 24,000 | 27,000 |
| 35,000 | 12,000 | 15,000 | 21,000 | 25,000 | 29,000 |
| 40,000 | 13,000 | 16,000 | 22,000 | 26,000 | 30,000 |
| 50,000 | 14,000 | 17,000 | 23,000 | 28,000 | 32,000 |
| 60,000 | 15,000 | 18,000 | 25,000 | 30,000 | 34,000 |
| 70,000 | 15,000 | 19,000 | 26,000 | 32,000 | 36,000 |
| 80,000 | 16,000 | 20,000 | 27,000 | 33,000 | 38,000 |
| 90,000 | 17,000 | 21,000 | 29,000 | 34,000 | 39,000 |
| 100,000 | 17,000 | 22,000 | 30,000 | 36,000 | 41,000 |
| 150,000 | 20,000 | 25,000 | 34,000 | 41,000 | 47,000 |
| 200,000 | 22,000 | 27,000 | 37,000 | 45,000 | 51,000 |
| 250,000 | 24,000 | 29,000 | 40,000 | 49,000 | 55,000 |
| 300,000 | 25,000 | 31,000 | 43,000 | 52,000 | 59,000 |

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper 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. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper 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.