

KTS-R – 600Vac, 1-600A, Fast-Acting Fuses



Description: Advanced protection Class RK1 current-limiting, fast-acting fuses.

Catalog Symbol: KTS-R-(amp)

Ratings:

- Volts – 600Vac
- Amps – 1-600A
- IR – 200kA Vac RMS Sym.

Agency Information:

CE, UL Listed, Std. 248-12, Class RK1, Guide JDDZ, File E4273
 CSA Certified, C22.2 No. 248.12, Class 1422-02, File 53787

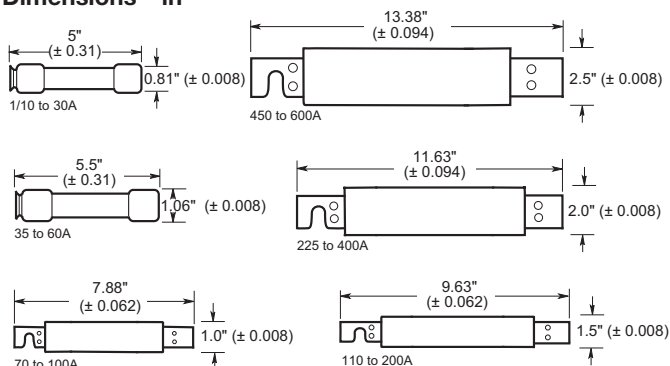
Catalog Numbers (amps)

| | | | |
|----------|----------|-----------|-----------|
| KTS-R-1 | KTS-R-20 | KTS-R-80 | KTS-R-275 |
| KTS-R-2 | KTS-R-25 | KTS-R-90 | KTS-R-300 |
| KTS-R-3 | KTS-R-30 | KTS-R-100 | KTS-R-350 |
| KTS-R-4 | KTS-R-35 | KTS-R-110 | KTS-R-400 |
| KTS-R-5 | KTS-R-40 | KTS-R-125 | KTS-R-450 |
| KTS-R-6 | KTS-R-45 | KTS-R-150 | KTS-R-500 |
| KTS-R-8 | KTS-R-50 | KTS-R-175 | KTS-R-600 |
| KTS-R-10 | KTS-R-60 | KTS-R-200 | |
| KTS-R-12 | KTS-R-70 | KTS-R-225 | |
| KTS-R-15 | KTS-R-75 | KTS-R-250 | |

Carton Quantity and Weight

| Amp Rating | Carton Qty. |
|------------|-------------|
| 1-30 | 10 |
| 40-60 | 10 |
| 70-100 | 1 |
| 110-200 | 1 |
| 225-400 | 1 |
| 450-600 | 1 |

Dimensions – in



Features:

- Single-element, fast-acting fuses with minimal time-delay
- Provides a high degree of short-circuit current-limitation (component protection)
- Particularly suited for circuits and loads with no heavy surge currents of motors, transformers, solenoids, and welders
- Commonly used to protect circuit breakers with lower interrupting ratings.
- If used in circuits with surge currents (motors, etc.) must be sized to prevent unwanted opening. It is recommended to use an ultimate protection Low-Peak™ LPS-RK time-delay fuse for inductive load applications.
- Incorporate Class R rejection feature. Can be inserted in non-rejection type fuse holders to physically and electrically replace fast-acting Class H, K1, K5, RK5, and other fast-acting fuses.

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 |
| 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 600 volt fuse blocks, see Data Sheet # 1111 (1-60A) and product brochure # 3192 (70-600A).

Fuse Reducers For Class R Fuses

| Equipment Fuse Clips | Desired Fuse (Case) Size | Catalog Numbers (Pairs) |
|----------------------|--------------------------|-------------------------|
| 60A | 30A | NO.663-R |
| | 30A | NO.216-R |
| 100A | 60A | NO.616-R |
| | 100A | NO.626-R |
| 200A | 100A | NO.2621-R |
| 400A | 100A | NO.2641-R |
| | 200A | NO.642-R |
| | 100A | 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.

KTS-R – 600Vac, 1-600A, Fast-Acting Fuses

Time-Current Curves - Average Melt



KTS-R – 600Vac, 1-600A, Fast-Acting Fuses

Current-Limitation Curves



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.