

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 |
| | 200A | NO.2641-R |
| 400A | 100A | NO.642-R |
| | 100A | NO.2661-R |
| | 200A | NO.2662-R |
| 600A | 200A | NO.2664-R† |
| | 400A | NO.2664-R† |

† Single reducer only (pair not required).

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

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Time-Current Curves - Average Melt



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Current-Limitation Curves



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