

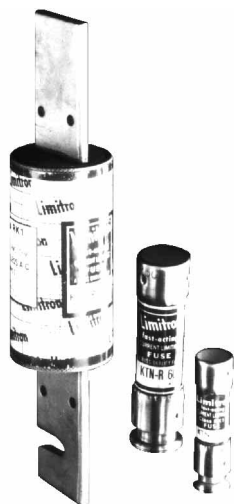
# Limitron®

## Fast-Acting Fuses

### 250 Volt

# KTN-R

## 1-600A



**Catalog Symbol:** KTN-R (250V)

Fast-Acting

Current-Limiting

**Ampere Rating:** 1 to 600 Amperes

**Voltage Rating:** 250 AC Volts AC (or less)\*

**Interrupting Rating:** 200,000A RMS Sym.

**Tube Material:** Glass Melamine

**End Caps:** 70/30 Brass

**Operating Temp.:** -40°C to +85°C

**Storage Temp.:** -55°C to +85°C

**Agency Approvals:**

UL Listed, Std. 248-12, Class RK1, Guide JDDZ, File E54273

CSA Certified, C22.2 No. 248.12, Class 1422-02, File 53787

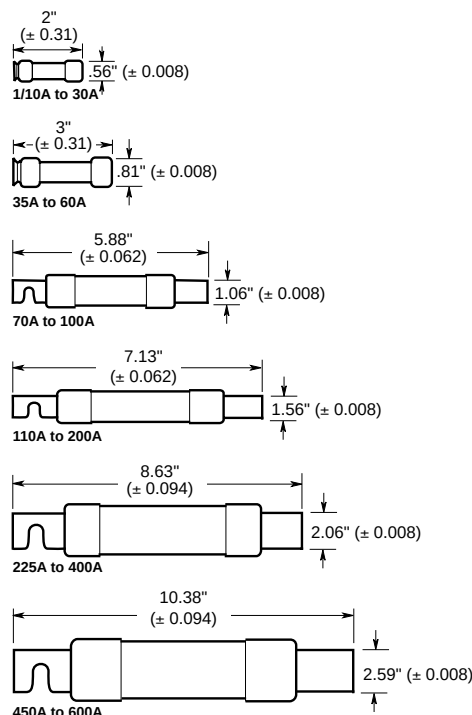
\*0-600A is rated 250 VDC and 10 KAIC.

#### Catalog Numbers

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

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 VAC, 75-1500 VDC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

#### Dimensional Data



#### Carton Quantity and Weight (250 VAC)\*

| Amps    | Carton Qty. | Weight** |       |
|---------|-------------|----------|-------|
|         |             | Lbs.     | Kg.   |
| 1-30    | 10          | 0.45     | 0.204 |
| 40-60   | 10          | 1.82     | 0.824 |
| 70-100  | 5           | 1.85     | 0.838 |
| 110-200 | 1           | 1.05     | 0.476 |
| 225-400 | 1           | 2.38     | 1.078 |
| 450-600 | 1           | 3.50     | 1.587 |

\*Contact Bussmann for DC ratings.

\*\*Weight per carton.

#### General Information:

- 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.
- LIMITRON fuses are 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 and thus only provide short-circuit protection.
- Incorporate Class R rejection feature. Can be inserted in non-rejection type fuseholders. Thus, can physically and electrically replace fast-acting Class H, K1, K5, RK5, and other fast-acting fuses.

# Limitron®

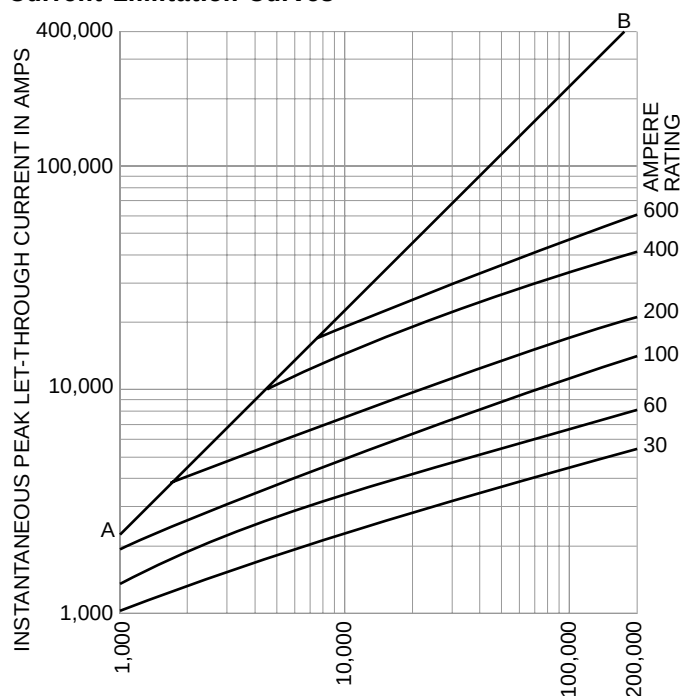
## Fast-Acting Fuses

### 250 Volt

# KTN-R

## 1-600A

#### Current-Limitation Curves



RMS SYMMETRICAL CURRENTS IN AMPERES  
A-B=ASYMMETRICAL AVAILABLE PEAK (2.3 x SYMM RMS AMPS)

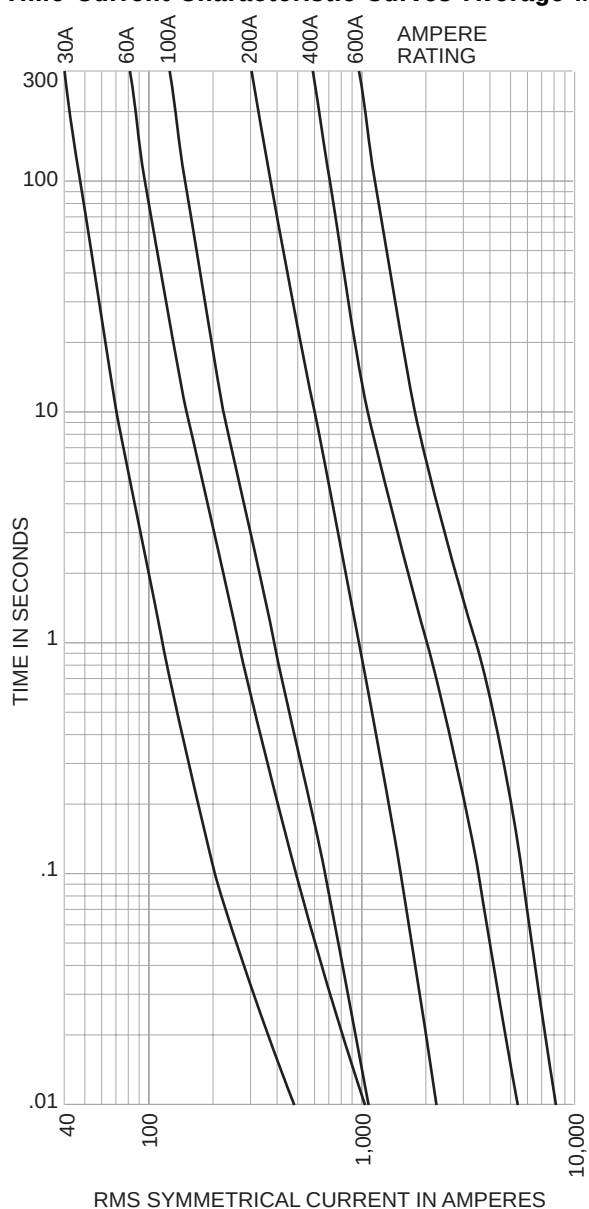
#### Class R (600V) Catalog Data

(Clip Retaining Spring Standard, Suffix "R")

| Amps       | Poles | Basic Catalog Number | Terminal Type (Suffix No.) |             |            |              |                    |
|------------|-------|----------------------|----------------------------|-------------|------------|--------------|--------------------|
|            |       |                      | Screw w/                   |             | Box Lug w/ |              | 1/4" Quick Connect |
|            |       |                      | —                          | Pres. Plate | —          | Clip CU only |                    |
| 1/10 to 30 | 1     | R25030-1             | SR                         | PR          | CR         | COR          | QR*                |
|            | 2     | R25030-2             | SR                         | PR          | CR         | COR          | QR*                |
|            | 3     | R25030-3             | SR                         | PR          | CR         | COR          | QR*                |
| 1/10 to 30 | 1     | R25030-1             | SR                         | PR          | CR         | COR          | QR*                |
|            | 2     | R25030-2             | SR                         | PR          | CR         | COR          | QR*                |
|            | 3     | R25030-3             | SR                         | PR          | CR         | COR          | QR*                |
| 1 to 60    | 1     | R25060-1             | SR*                        | PR          | CR         | COR          | —                  |
|            | 2     | R25060-2             | SR*                        | PR          | CR         | COR          | —                  |
|            | 3     | R25060-3             | SR*                        | PR          | CR         | COR          | —                  |
| 61 to 100  | 1     | R25100-1             | —                          | —           | CR         | COR          | —                  |
|            | 2     | R25100-2             | —                          | —           | CR         | COR          | —                  |
|            | 3     | R25100-3             | —                          | —           | CR         | COR          | —                  |
| 101 to 200 | 1     | R25200-1             | —                          | —           | CR         | COR          | —                  |
|            | 3     | R25200-3             | —                          | —           | CR         | COR          | —                  |
| 201 to 400 | 1     | R25400-1             | —                          | —           | CR*        | COR*         | —                  |
|            | 3     | R25400-3             | —                          | —           | CR         | COR*         | —                  |
| 401 to 600 | 1     | R25600-1             | —                          | —           | CR         | —            | —                  |
|            | 3     | R25600-3             | —                          | —           | CR         | —            | —                  |

\*UL Recognized, No CSA Certification.

#### Time-Current Characteristic Curves—Average Melt



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