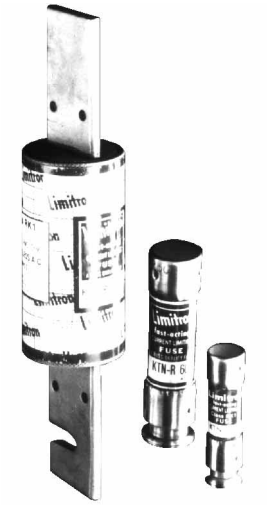
Limitron®
Fast-Acting Fuses
250 Volt

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

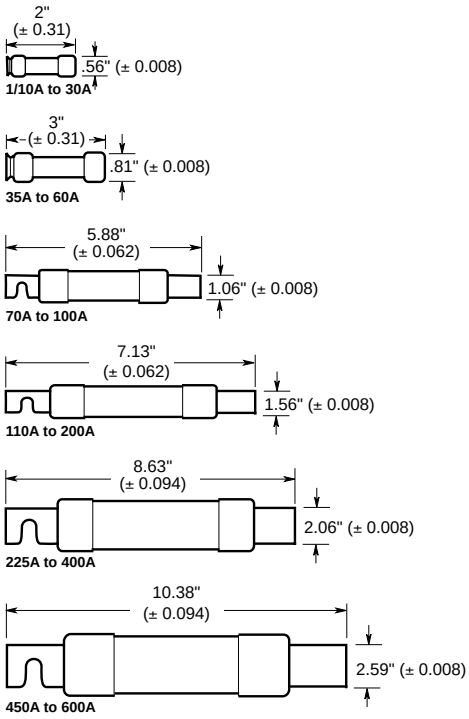
*0-600A is rated 250 VDC and 10 KAIC.

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.	Weight** 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.

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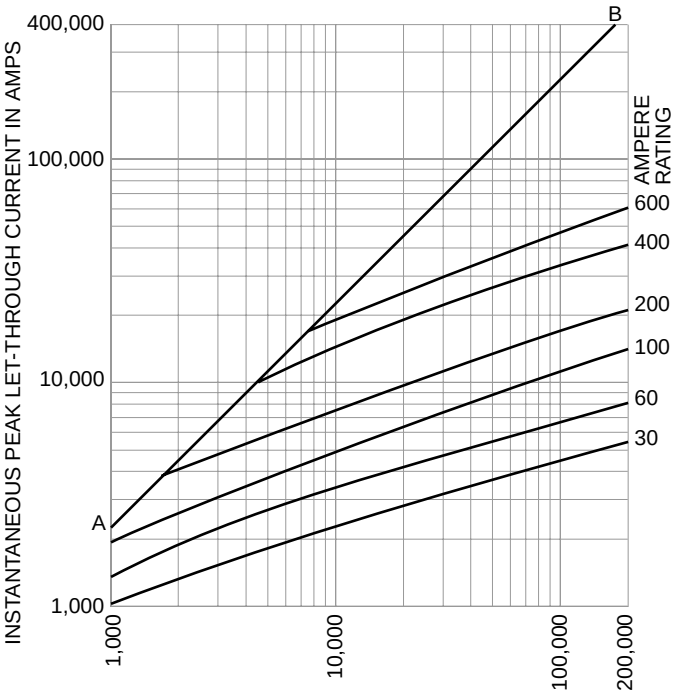
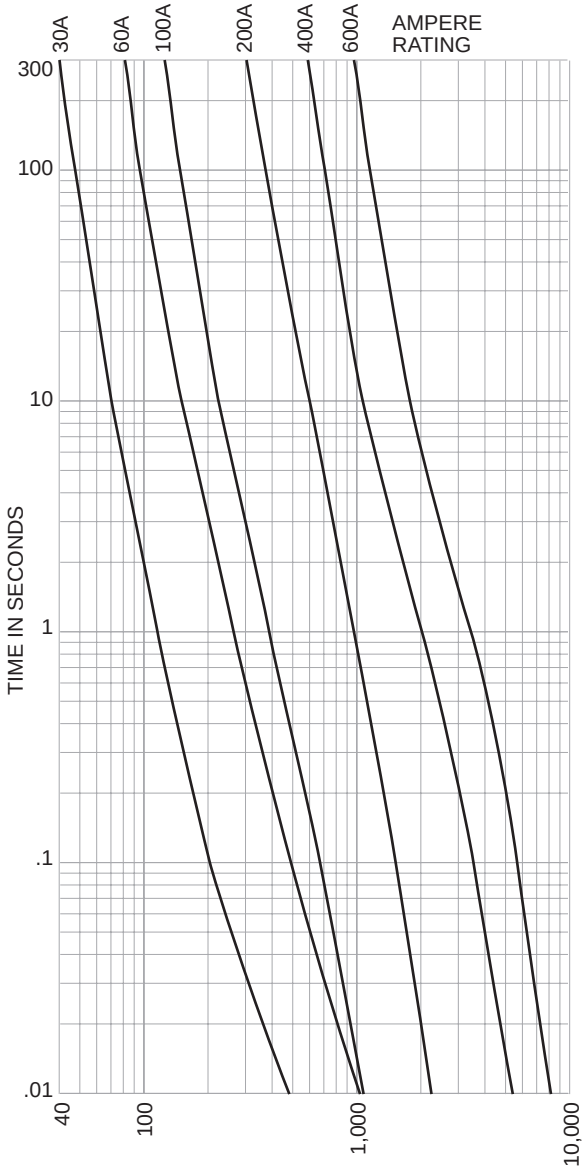
Current-Limitation Curves



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

Time-Current Characteristic Curves–Average Melt



RMS SYMMETRICAL CURRENT IN AMPERES

Class R (600V) Catalog Data
(Clip Retaining Spring Standard, Suffix "R")

			Terminal Type (Suffix No.)				
			Screw w/		Box Lug w/		1/4″
Amps	Poles	Basic Catalog Number	—	Pres. Plate	—	Clip CU only	Quick Connect
1/10	1	R25030-1	SR	PR	CR	COR	QR*
to	2	R25030-2	SR	PR	CR	COR	QR*
30	3	R25030-3	SR	PR	CR	COR	QR*
1/10	1	R25030-1	SR	PR	CR	COR	QR*
to	2	R25030-2	SR	PR	CR	COR	QR*
30	3	R25030-3	SR	PR	CR	COR	QR*
1	1	R25060-1	SR*	PR	CR	COR	—
to	2	R25060-2	SR*	PR	CR	COR	—
60	3	R25060-3	SR*	PR	CR	COR	—
61	1	R25100-1	—	—	CR	COR	—
to	2	R25100-2	—	—	CR	COR	—
100	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.

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