

## Fusetron®

### Dual-Element, Time-Delay Fuses with Indication Class RK5 - 600 Volt

**FRS-R\_ID**  
**6-60A**



**Now Available  
With Optional  
Indication**



#### Catalog Symbol: FRS-R\_ID

Current-Limiting

Dual-element, time-delay – 10 seconds (minimum) at 500% rated current

#### Ratings:

Volts – 600Vac (or less)

Amps – 6-60A

IR – 200kA RMS Sym.

– 20kA @250Vdc

#### Agency Information:

CE, UL Listed, Std. 248-12, Class RK-5, Guide JDDZ, File E4273  
CSA Certified, C22.2 No. 248.12, Class 1422-01,  
File 53787

#### Catalog Numbers

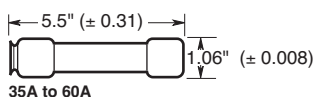
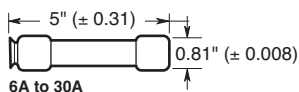
FRS-R-6ID	FRS-R-10ID	FRS-R-30ID
FRS-R-6 1/2ID	FRS-R-12ID	FRS-R-35ID
FRS-R-7ID	FRS-R-15ID	FRS-R-40ID
FRS-R-7 1/2ID	FRS-R-17 1/2ID	FRS-R-45ID
FRS-R-8ID	FRS-R-20ID	FRS-R-50ID
FRS-R-9ID	FRS-R-25ID	FRS-R-60ID

#### Carton Quantity and Weight

Ampere Ratings	Carton Qty.	Weight*	
		Lbs.	Kg.
6-15	10	0.40	0.181
17.5-30	10	0.50	0.277
35-60	10	3.10	1.406

\*Weight per carton

#### Dimensional Data

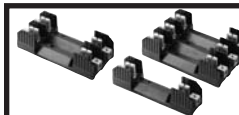


#### General Information:

- Permanent replacement fuse indication.
- Provides motor overload, ground fault and short-circuit protection. When used in circuits subject to surge currents such as those caused by motors, transformers and other inductive components, these fuses can be sized close to full-load amps to give maximum overcurrent protection.
- Permits the use of smaller and less costly switches. The time-delay feature makes it possible to use fuse amp ratings which are much smaller than those of non-time-delay fuses. Considerable cost savings occurs by permitting the use of smaller size switches, panels and fuses.
- Provides a higher degree of short-circuit protection (greater current-limitation) in circuits in which surge currents or temporary overloads occur.
- Helps protect motors against burnout from overloads.
- Gives motor-running back-up protection to motors without extra costs.
- Helps protect motors against burnout from single-phasing on three-phase systems.
- Simplifies and improves blackout prevention (via selective coordination).
- Dual-element fuses can be applied in circuits subject to temporary motor overloads and surge currents to provide both high-performance, short-circuit and overload protection.
- The overload element provides protection against low level overcurrent of overloads and will hold an overload which is five times the amp rating of the fuse for a minimum of ten seconds.

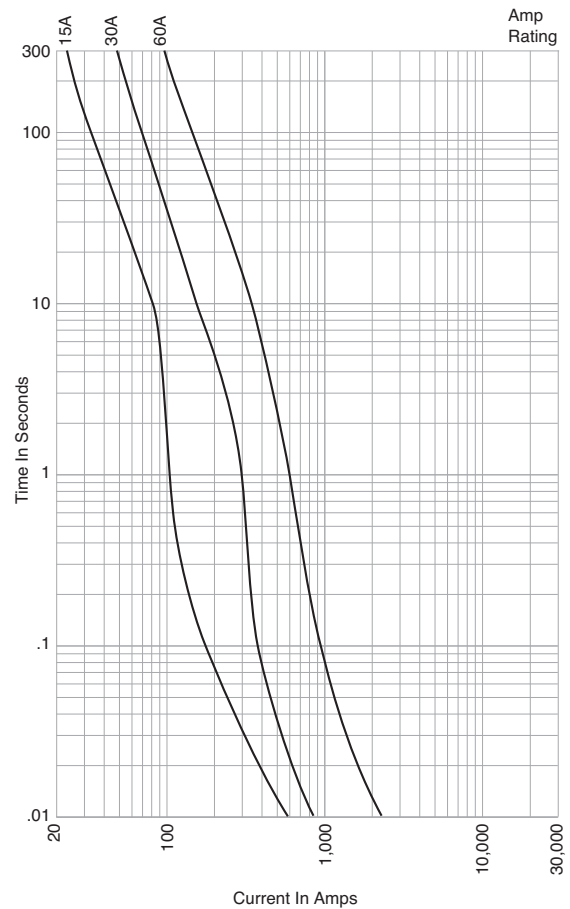
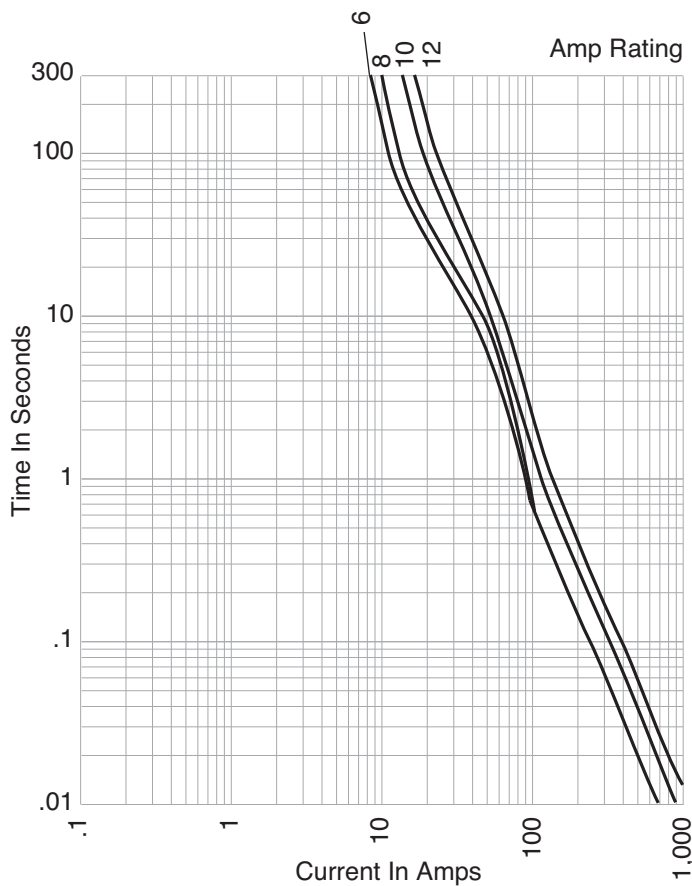
#### Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Number (Pairs) 600V
60A	30A	No. 663-R
100A	30A	No. 216-R
	60A	No. 616-R
200A	60A	No. 626-R

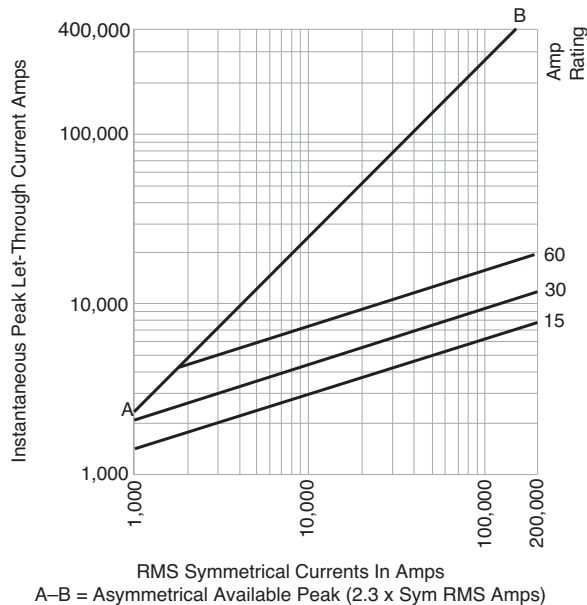


**Recommended fuseblocks for  
Class R 600V fuses  
See Data Sheet: 1111**

## Time-Current Characteristic Curves-Average Melt



## Current-Limitation Curves



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