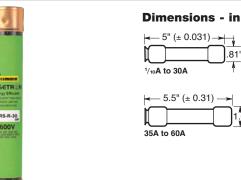


**FUSETRON Energy Efficient Dual-Element, Time-Delay Fuses** Class RK5 - 600 Volt



# - 5" (± 0.031) ->-.81" (± 0.008)



# Catalog Symbol: FRS-R

#### Current-limiting

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

# **Ratings:**

Volts - 600Vac (or less)

- Amps 1/10-30A
  - IR 200kA RMS Sym.
  - 20kA @300Vdc
- Amps 35-60A
  - IR 200kA RMS Sym.
  - 20kA @250Vdc

# Agency Information:

CE, UL Listed, Std. 248-12, Class RK5, Guide JDDZ, File E4273 CSA Certified, C22.2 No. 248.12, Class 1422-02, File 53787

#### **Catalog Numbers**

FRS-R-1/10	FRS-R-1‰	FRS-R-8
FRS-R-1/8	FRS-R-2	FRS-R-9
FRS-R-15/100	FRS-R-21/4	FRS-R-10
FRS-R-‰	FRS-R-2½	FRS-R-12
FRS-R-¼	FRS-R-2‰	FRS-R-15
FRS-R-‰	FRS-R-3	FRS-R-17½
FRS-R-‰	FRS-R-3‰	FRS-R-20
FRS-R-½	FRS-R-3½	FRS-R-25
FRS-R-%	FRS-R-4	FRS-R-30
FRS-R-%	FRS-R-4½	FRS-R-35
FRS-R-1	FRS-R-5	FRS-R-40
FRS-R-1%	FRS-R-5‰	FRS-R-45
FRS-R-1¼	FRS-R-6	FRS-R-50
FRS-R-1 <sup>4</sup> /10	FRS-R-6¼	FRS-R-60
FRS-R-1½	FRS-R-7	_
FRS-R-1%	FRS-R-7½	

## **General Information:**

- · 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 saving occurs by permitting the use of smaller size switches, panels and fuses themselves.
- 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 (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 greater than the amp rating of the fuse for a minimum of ten seconds.

#### **Carton Quantity and Weight**

Amp	Carton	Weight*	
Ratings	Qty.	Lbs.	Kg.
‰–15	10	0.40	0.181
17½–30	10	0.50	0.277
35-60	10	3.10	1.406

\*Weight per carton.

## 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

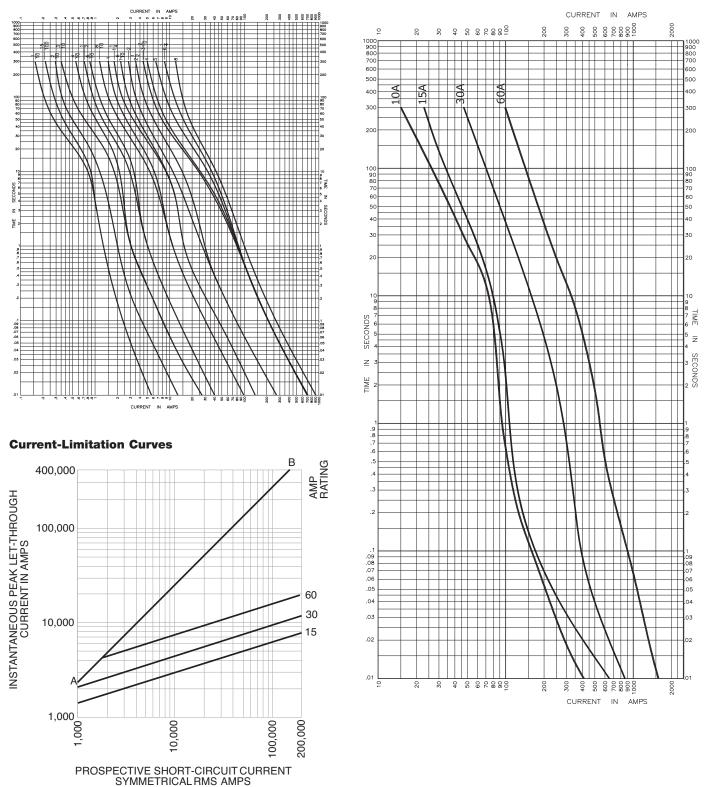


**Recommended fuseblocks for Class R 600V fuses** See Data Sheet: 1111





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



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