# **Fusetron**<sup>®</sup> **Dual-Element, Time-Delay Fuses** Class RK5 - 600 Volt



## Catalog Symbol: FRS-R

Dual-Element, Time-Delay - 10 second (minimum) at 500% rated current

### Current-Limiting

Ampere Rating: 1/10 to 60A Voltage Rating: 600Vac (or less) Interrupting Rating: 200,000A RMS Sym. dc Ratings (20,000AIC @ 250Vdc)

#### Agency Information:

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

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FRS-R-1/10	FRS-R-1%10	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-%10	FRS-R-21/2	FRS-R-12
FRS-R-1/4	FRS-R-2%10	FRS-R-15
FRS-R-¾0	FRS-R-3	FRS-R-171/2
FRS-R- <sup>4</sup> /10	FRS-R-3%10	FRS-R-20
FRS-R-1/2	FRS-R-31/2	FRS-R-25
FRS-R-%10	FRS-R-4	FRS-R-30
FRS-R-%10	FRS-R-41/2	FRS-R-35
FRS-R-1	FRS-R-5	FRS-R-40
FRS-R-11/2	FRS-R-5%10	FRS-R-45
FRS-R-11/4	FRS-R-6	FRS-R-50
FRS-R-14/10	FRS-R-61/4	FRS-R-60
FRS-R-11/2	FRS-R-7	WT I - YOOL
FRS-R-1%10	FRS-R-71/2	W.1

#### Carton Quantity and Weight

Ampere	Carton Qty.	Weight*		
Ratings		Lbs.	Kg.	
1⁄10-15	10	0.40	0.181	
17.5–30	10	0.50	0.277	
35-60	10	3.10	1.406	
*Weight per cartor	1.	WWV	1.100	

#### 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 amperes to give maximum overcurrent protection.
- Permits the use of smaller and less costly switches. The timedelay feature makes it possible to use fuse ampere 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 ampere 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
1004	30A	No. 216-R
	60A	No. 616-R
200A	60A	No. 626-R



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



勝特力材料 886-3-5753170 胜特力电子(上海) 86-21-54151736

# **Bussmann**®

FRS-R 1/10-60A

**COOPER** Bussmann



1.25

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300

100

10

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TIME IN SECONDS

4 6.25

<u>1</u>2902

2.5

3.2



1,000

CURRENT IN AMPERES

10,000

30,000

WWW.100Y.CON





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