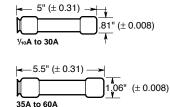
## **Bussmann**®

## **Fusetron®** Dual-Element, Time-Delay Fuses Class RK5 – 600 Volt

# FRS-R 1/10-60A



### Dimensional Data



#### 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

J		
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-1/10	FRS-R-21/2	FRS-R-12
FRS-R-1/4	FRS-R-2%10	FRS-R-15
FRS-R-3/10	FRS-R-3	FRS-R-171/2
FRS-R-1/10	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-11/8	FRS-R-5%10	FRS-R-45
FRS-R-11/4	FRS-R-6	FRS-R-50
FRS-R-1 <sup>4</sup> /10	FRS-R-61/4	FRS-R-60
FRS-R-11/2	FRS-R-7	_
FRS-R-1%	FRS-R-71/2	

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

Ampere	Carton	Weight*	
Ratings	Qty.	Lbs.	Kg.
<u>1⁄10</u> -15	10	0.40	0.181
17.5–30	10	0.50	0.277
35-60	10	3.10	1.406
		0110	11100

\*Weight per carton.

#### 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
100A —	30A	No. 216-R
100A —	60A	No. 616-R
200A	60A	No. 626-R



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

C€ CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.



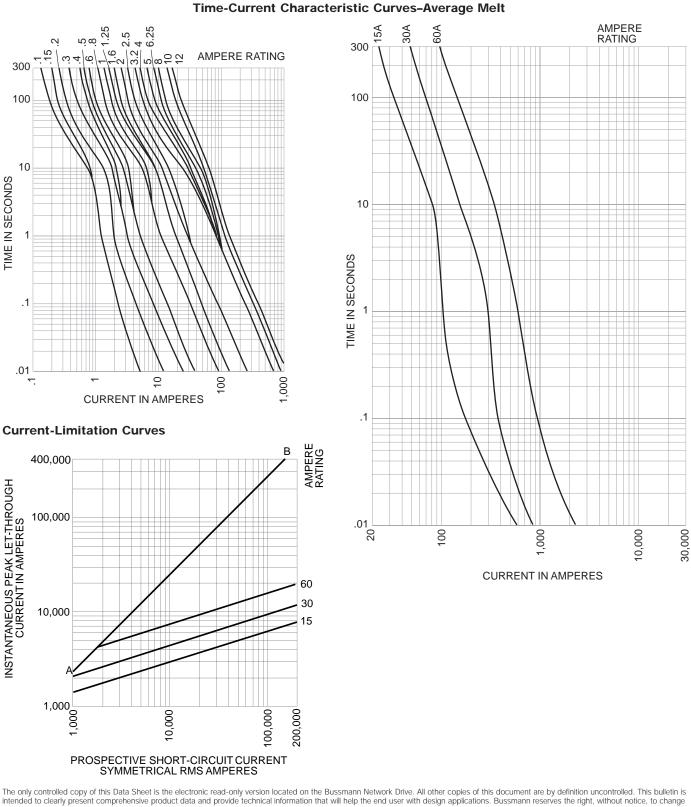
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**Bussmann**®

**FRS-R** 

1/10-60A

## **Fusetron®** Dual-Element, Time-Delay Fuses Class RK5 – 600 Volt



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