Cooper Bussmann

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FRS-R-75

Class RK5, Dual Element, Time Delay

Product Information	
Product Type:	Fuse
Product Family:	Electrical Power
Brand:	Cooper Bussmann
Sub-brand:	Fusetron
Class:	RK5

Recommended Products	
Rec. Fuse Block:	R60100 Series

Certifications
UL Listed
CSA Certified

Physical Properties	
Dimensions:	7.88in.(L) × 1.34in.(W) × 0in.(H)

Electrical Properties	
Maximum AC Voltage:	600
Maximum DC Voltage:	300
Amperage Rating:	75
AC Interrupting Ratings:	• 200000 at 600V
DC Interrupting Ratings:	• 20000 at 300V
Fuse Class:	Class RK5
Time Delay:	Yes

Fusetron®
Dual-Element, Time-Delay Fuses
Class RK5 — 600 Volt

FRS-R
65-600A

Catalog Symbol: FRS-R

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

Current-Limiting

Ampere Rating: 65 to 600A †

Voltage Rating: 600Vac (or less)

Interrupting Rating: 200,000A RMS Sym.

dc Ratings (20,000AIC @ 300Vdc)

Agency Information:

UL Listed, Std. 248-12, Class RK5, Guide JDDZ, File E4273

CSA Certified, C22.2 No. 248.12, Class 1422-01, File 53787

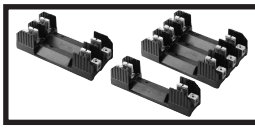
Catalog Numbers

FRS-R-65	FRS-R-135	FRS-R-325
FRS-R-70	FRS-R-150	FRS-R-350
FRS-R-75	FRS-R-175	FRS-R-400
FRS-R-80	FRS-R-200	FRS-R-450
FRS-R-90	FRS-R-225	FRS-R-500
FRS-R-100	FRS-R-250	FRS-R-600
FRS-R-110	FRS-R-275	—
FRS-R-125	FRS-R-300	—

Carton Quantity and Weight

Ampere Ratings	Carton Qty.	Weight* Lbs.	Weight* Kg.
65–100	1	0.54	0.245
101–200	1	1.22	0.544
201–400	1	3.00	1.359
401–600	1	5.00	2.268

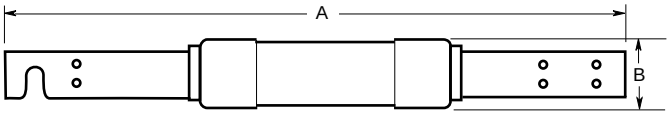
*Weight per carton.



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

† To obtain information for 0-60A, access Data Sheet: 1017

Dimensional Data



Dimensions (inches)

Ampere Ratings	A	B
65-100	7.88 (± 0.062)	1.11 (± 0.020)
110-200	9.63 (± 0.062)	1.61 (± 0.020)
225-400	11.63 (± 0.094)	2.34 (± 0.020)
450-600	13.38 (± 0.094)	2.88 (± 0.020)

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.
- The time-delay 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 good degree of short-circuit protection (greater current-limitation) to help protect downstream components from high fault currents.
- Gives motor running back-up protection to motors without extra costs.
- Helps protect motors against burnout from overloads and single phasing when sized properly.
- Simplifies and improves blackout prevention (selective coordination ratios).
- 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.

Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Number (Pairs) 600V
200A	100A	No. 2621-R
400A	100A	No. 2641-R
	200A	No. 642-R
600A	100A	No. 2661-R
	200A	No. 2662-R
	400A	No. 2664-R*

*Single reducer only (pair not required).

For additional information, see Data Sheet: 1118.

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