

Cooper Bussmann Physical Use Privacy Cooper Bussmann® Brand Site Map Diagonal Cooper Bussmann Privacy Lega Bussmann® Brand Site Map Diagonal Cooper Bussmann Privacy Lega Bussmann® Brand Site Map Diagonal Cooper Bussmann Product Type: Fuse Product Tamily: Electrical Power Upgrade Product: Upgrade Product: Sub-brand: Sub-brand: Sub-brand: Sub-crand: Cooper Bussmann Sub-crand: Sub-crand: Cooper Sussmann Sub-crand:	Electrical UL/CSA	Electrical IEC	Electronics	Consumer/Aftermark	et OEM	Transportation	Terminal Blocks	Systems/Services/Software
Product Type:FuseProduct Family:Electrical PowerUpgrade Product:LPS-RK-30SPBrand:Cooper BussmannSub-brand:FusetronClass:RK5Recommended ProtuctsEdeo30 SeriesRec. Fuse Block:R60030 SeriesRec. Cover:SAMI-2 SeriesPhysical PropertizeElectrical PropertizeDimensions:Sin.(L) × 0.81in.(W) × 0in. (H)	Homepage About Cooper Bussr Contact Us Privacy Legal Cooper Bussmann®	nann	Class RK5,		Delay			
Product Family:Electrical PowerUpgrade Product:LPS-RK-30SPBrand:Cooper BussmannSub-brand:FusetronClass:RK5Rec. Fuse Block:R60030 SeriesRec. Fuse Block:R60030 SeriesRec. Cover:SAMI-2 SeriesHysical PropertiesDimensions:		Pro	duct Informa	tion				
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Dimensions: (H) Voltage: 300		Phy	ysical Propert	ies			600	
Amperage Rating: 30		Din	nensions:		W) × 0in.		300	
						Amperage Rating	g: 30	

AC Interrupting Ratings:

DC Interrupting Ratings: Fuse Class:

Time Delay:

• 200000 at 600V

• 20000 at 300V

Class RK5

Yes

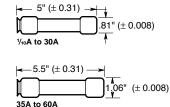
Bussmann®

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

5		
FRS-R-1/10	FRS-R-1%10	FRS-R-8
FRS-R-1/2	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-14/10	FRS-R-61/4	FRS-R-60
FRS-R-11/2	FRS-R-7	_
FRS-R-1%10	FRS-R-71/2	_

Carton Quantity and Weight

Ampere	Carton	Weight*		
Ratings	Qty.	Lbs.	Kg.	
½ ₁₀ −15	10	0.40	0.181	
17.5–30	10	0.50	0.277	
35-60	10	3.10	1.406	

*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