

Cooper Bussmann

- Homepage
- About Cooper Bussmann
- Contact Us
- Privacy
- Legal
- Cooper Bussmann® Brand
- Site Map



FRN-R-80

Class RK5, Dual Element, Time Delay

Product Information

Product Type:	Fuse
Product Family:	Electrical Power
Upgrade Product:	LPN-RK-80SP
Brand:	Cooper Bussmann
Sub-brand:	Fusetron
Class:	RK5

Recommended Products

Rec. Fuse Block:	R25100 Series
Rec. Cover:	SAMI-4 Series

Physical Properties

Dimensions:	5.88in.(L) × 1.06in.(W) × 0in.(H)
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Certifications

- [UL Listed](#)
- [CSA Certified](#)

Electrical Properties

Maximum AC Voltage:	250
Maximum DC Voltage:	125
Amperage Rating:	80
AC Interrupting Ratings:	<ul style="list-style-type: none"> • 200000 at 250V
DC Interrupting Ratings:	<ul style="list-style-type: none"> • 20000 at 125V
Fuse Class:	Class RK5
Time Delay:	Yes

Fusetron®

Dual-Element, Time-Delay Fuses

Class RK5 – 250 Volt

FRN-R
70-600A



Catalog Symbol: FRN-R †
 Current-Limiting
 Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current
 Ampere Rating: 70 to 600A
 Voltage Rating:
 250Vac (or less)
 125Vdc (70-200A)
 250Vdc (201-600A)
 Interrupting Rating:
 200,000A RMS Sym.
 20,000A AIC
 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

FRN-R-70	FRN-R-125	FRN-R-350
FRN-R-75	FRN-R-150	FRN-R-400
FRN-R-80	FRN-R-175	FRN-R-450
FRN-R-85	FRN-R-200	FRN-R-500
FRN-R-90	FRN-R-225	FRN-R-600
FRN-R-100	FRN-R-250	—
FRN-R-110	FRN-R-300	—

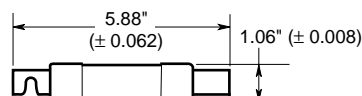
Carton Quantity and Weight

Ampere Ratings	Carton Qty.	Weight*	
		Lbs.	Kg.
70-100	5	1.5	0.680
101-200	1	0.77	0.349
201-400	1	1.52	0.689
401-600	1	3.0	1.4

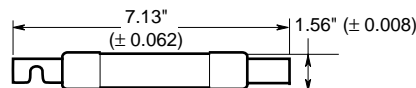
*Weight per carton.

† To obtain information for 0-60A, access Data Sheet: 1019

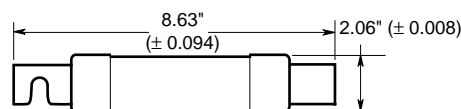
Dimensional Data



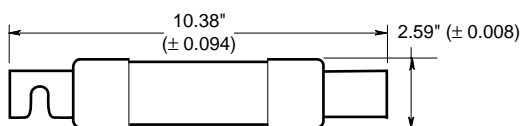
70A to 100A



110A to 200A



225A to 400A



450A to 600A

General Information:

- Provides motor overload, ground fault and short-circuit protection.
- Helps protect motors against burnout from overloads and single phasing when sized properly.
- 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 on inrush current 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) 250V
200A	100A	No. 2621-R
	400A	No. 2641-R
400A	100A	No. 242-R
	200A	No. 2661-R
600A	100A	No. 2662-R
	200A	No. 2664-R*

*Single reducer only (pair not required).

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