

Fusetron® Dual-Element, Time-Delay Fuses Class RK5 — 250 Volt

FRN-R 70-600A



CATALOG SYMBOL: FRN-R
DUAL-ELEMENT, TIME-DELAY-10 SECONDS (MINIMUM)
AT 500% RATED CURRENT
70-600 AMPERES
250 VOLTS AC (OR LESS)
CURRENT LIMITING
INTERRUPTING RATING-200,000A RMS SYM.
DC RATINGS (20,000 AIC @ 125V DC)
U.L. LISTED-CLASS RK-5
(GUIDE # JDDZ, FILE # E4273)
CSA HRCI-R
(CLASS 1422-01; FILE 53787)

Catalog Numbers

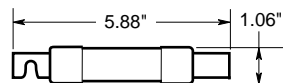
FRN-R-70	FRN-R-125	FRN-R-300
FRN-R-75	FRN-R-150	FRN-R-350
FRN-R-80	FRN-R-175	FRN-R-400
FRN-R-85	FRN-R-200	FRN-R-450
FRN-R-90	FRN-R-225	FRN-R-500
FRN-R-100	FRN-R-250	FRN-R-600
FRN-R-110		

*Carton Quantity and Weight—FRN-R FUSETRON (250 Volts AC)

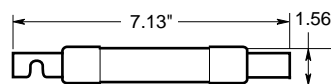
Ampere Ratings	Carton Qty	Weight*	
		Lbs.	Kg.
70-100	5	1.5	0.680
101-200	1	0.77	0.349
201-400	1	1.52	0.689
401-600	1	2.94	1.334

*Weight per carton.

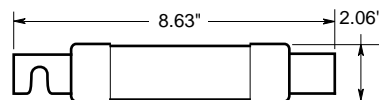
Dimensional Data



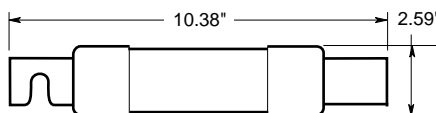
70A to 100A



110A to 200A



225A to 400A



450A to 600A

- Provides motor overload, ground fault and short-circuit protection.
- Helps protect motors against burnout from overloads.
- 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

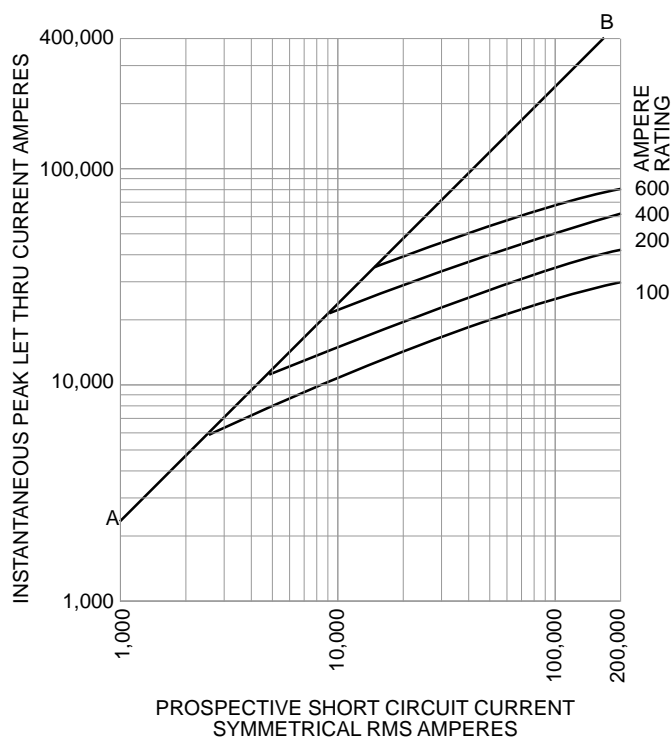
Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Number (Pairs) 250V
200A	100A	No. 2621-R
400A	100A	No. 2641-R
	200A	No. 242-R
600A	100A	No. 2661-R
	200A	No. 2662-R
	400A	No. 2664-R*

*Single reducer only (pair not required).

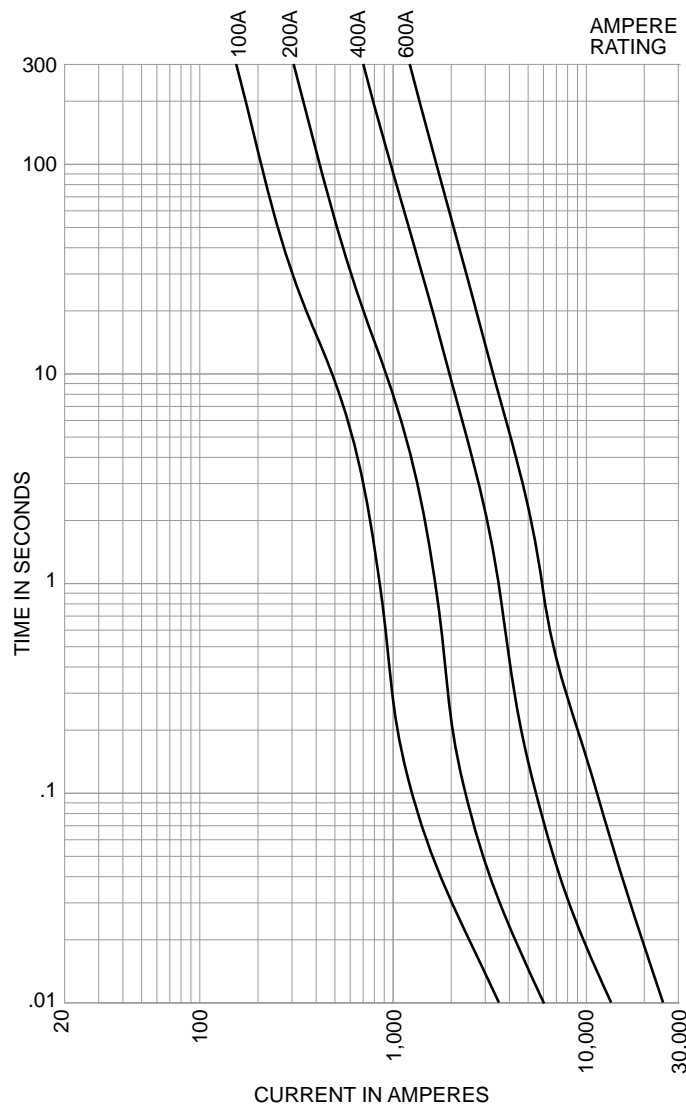
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Current Limitation Curves



Time-Current Characteristic Curves—Average Melt



Fuseblocks for Class R Fuses

(Clip Retaining Spring Standard, Suffix "R")

Amps	Poles	Basic Catalog Number	Terminal Type (Suffix No.)	
			Box Lug w/	Clip CU only
70	1	R25100-1	CR	COR
to	2	R25100-2	CR	COR
100	3	R25100-3	CR	COR
to 200	1	R25200-1	CR	—
to 400	1	R25400-1	CR	—
to 600	1	R25600-1	CR	—

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