

Fusetron®

Dual-Element, Time-Delay Fuses

Class RK5 — 250 Volt

FRN-R

1/10-60A



CATALOG SYMBOL FRN-R
 DUAL-ELEMENT, TIME-DELAY—10 SECONDS (MINIMUM)
 AT 500% RATED CURRENT
 1/10–60 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

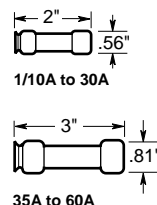
FRN-R-1/10	FRN-R-1-8/10	FRN-R-8
FRN-R-1/8	FRN-R-2	FRN-R-9
FRN-R-15/100	FRN-R-2-1/4	FRN-R-10
FRN-R-2/10	FRN-R-2-1/2	FRN-R-12
FRN-R-1/4	FRN-R-2-8/10	FRN-R-15
FRN-R-3/10	FRN-R-3	FRN-R-17-1/2
FRN-R-4/10	FRN-R-3-2/10	FRN-R-20
FRN-R-1/2	FRN-R-3-1/2	FRN-R-25
FRN-R-6/10	FRN-R-4	FRN-R-30
FRN-R-8/10	FRN-R-4-1/2	FRN-R-35
FRN-R-1	FRN-R-5	FRN-R-40
FRN-R-1-1/8	FRN-R-5-6/10	FRN-R-45
FRN-R-1-1/4	FRN-R-6	FRN-R-50
FRN-R-1-4/10	FRN-R-6-1/4	FRN-R-60
FRN-R-1-1/2	FRN-R-7	
FRN-R-1-6/10	FRN-R-7-1/2	

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

Ampere Ratings	Carton Qty	Weight*	
		Lbs.	Kg.
0–15	10	0.40	0.181
17.5–30	10	.50	0.227
35–60	10	1.00	0.453

*Weight per carton.

Dimensional Data



- 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
60A	30A	No. 263-R
100A	30A	No. 213-R
	60A	No. 216-R
200A	60A	No. 226-R

Fuseblocks for Class R Fuses

(Clip Retaining Spring Standard, Suffix "R")

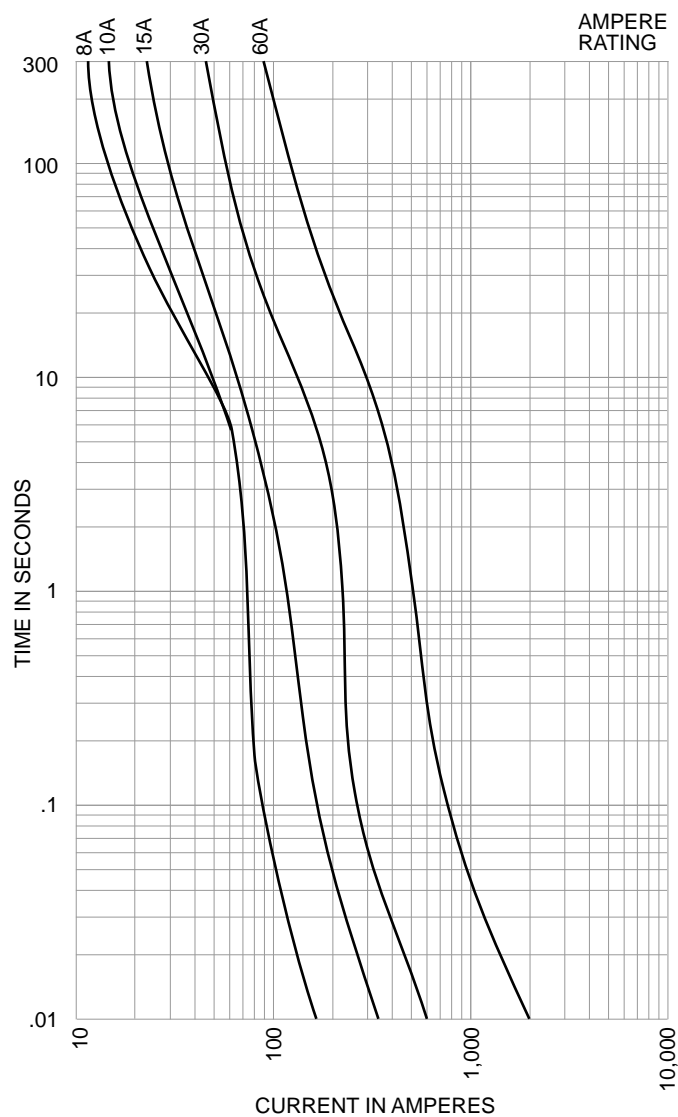
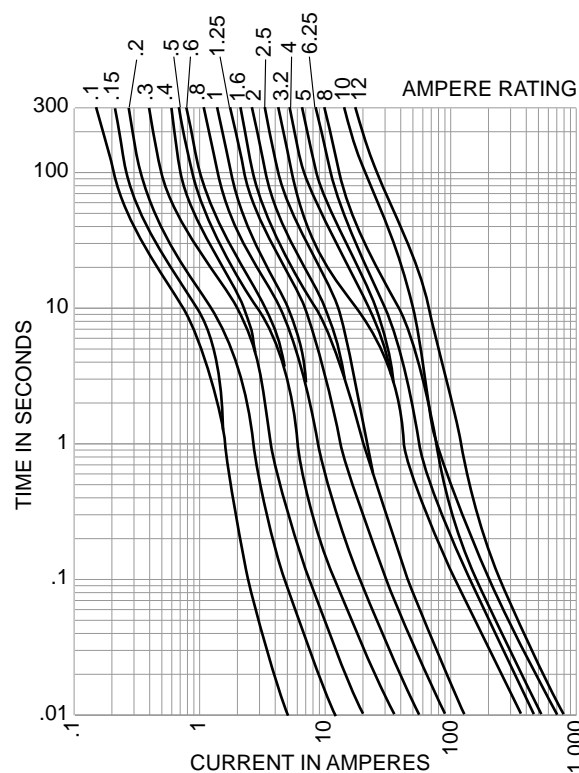
Amps	Poles	Basic Catalog Number	Terminal Type (Suffix No.)				1/4" Quick-Connect
			Screw w/ Pres. Plate	Box Lug w/ Clip CU only	CR	QR	
1/10	1	R25030-1	SR	PR	CR	COR	QR
	2	R25030-2	SR	PR	CR	COR	QR
30	3	R25030-3	SR	PR	CR	COR	QR
31	1	R25060-1	SR	—	CR	COR	—
	2	R25060-2	SR	—	CR	COR	—
60	3	R25060-3	SR	—	CR	COR	—



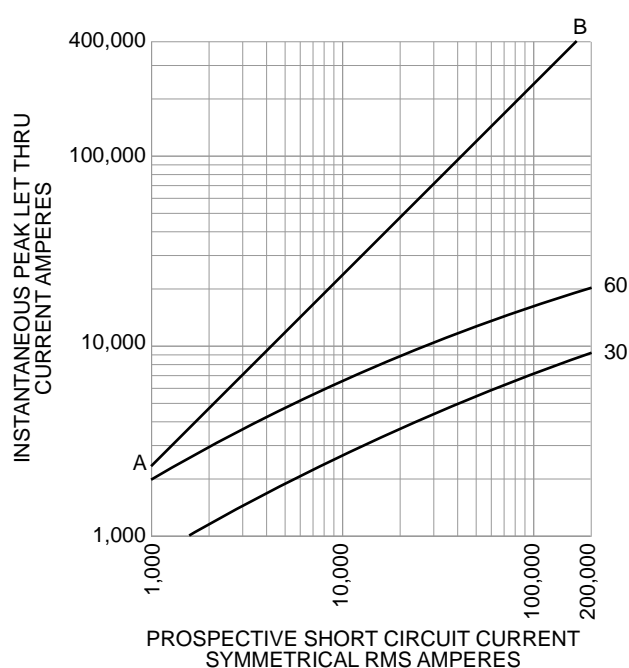
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FRN-R 1/10-60A

Time-Current Characteristic Curves—Average Melt



Current Limitation Curve



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