

## Cartridge Fuses

Cartridge fuses are used to protect motors and branch circuits where higher amps or volt ratings are required. They are available in a wide variety of sizes, amp and volt ratings up to 600Vac and 600 amps. Cartridge fuses are used extensively in commercial, industrial and agricultural applications as well as residential fuse panels, air conditioning, pumps, appliances and other equipment.

Cartridge fuses are available in two types. General Purpose fuses have no time-delay and protect fuse panels, appliances and branch circuits. Heavy-Duty fuses have a time-delay feature, allowing momentary motor startups.

Both are available in 250Vac and 600Vac versions with catalog symbol and amp rating stamped on the knife blade or end cap.

### General Purpose NON & NOS

Used in lighting circuits, main panel protection and other circuits that don't contain large electric motors or inductive loads. One to 60 amp fuses UL Listed Class K5 (IR: 50kA). 70 to 600A fuses UL Class H (IR: 10kA).

### NON 250Vac General Purpose Non-Current Limiting Class K5 & H Fuses

Part No. (Amps*)	Blister Pack
NON-2	
NON-3	
NON-5	
NON-6	
NON-10	
NON-15	X
NON-20	X
NON-25	X
NON-30	X
NON-35	X
NON-40	X
NON-45	X
NON-50	X
NON-60	X
NON-70	X
NON-80	
NON-90	
NON-100	X
NON-125	
NON-150	
NON-200	
NON-250	
NON-300	
NON-400	



0-30A



35-60A



70A & Over

\*See Price Sheet for all available ratings.

### NOS 600Vac General Purpose Non-Current Limiting Class K5 & H Fuses

Part No. (Amps*)
NOS-6
NOS-10
NOS-15
NOS-20
NOS-25
NOS-30
NOS-35
NOS-40
NOS-50
NOS-60
NOS-100
NOS-200

Up to 60A



70A & Over



\*See Price Sheet for all available ratings.

### FRN-R and FRS-R Heavy-Duty Time-Delay Fuses

Used in motor protection. When sized correctly, they help protect motors from burnout caused by overloads or single-phasing. The time-delay feature allows the initial startup current surge for typical motors to pass, but opens prior to motor burnout when longer, dangerous overloads are present. In addition, the dual-element design opens in as little as 0.004 second if the fuse experiences short-circuit conditions. All fuses UL Listed Class R (IR: 200kA). Groove in end cap or notch in knife blade permit the fuse to be used in Class H, Class K or Class R fuse blocks.

### FRN-R 250Vac Dual-Element, Time-Delay Class RK5 Fuses

Part No. (Amps*)	Blister Pack
FRN-R-1	
FRN-R-2	
FRN-R-3	
FRN-R-4	
FRN-R-5	
FRN-R-6	
FRN-R-6¼	
FRN-R-7	
FRN-R-8	
FRN-R-10	X
FRN-R-12	
FRN-R-15	X
FRN-R-17½	
FRN-R-20	X
FRN-R-25	X
FRN-R-30	X
FRN-R-35	X
FRN-R-40	X
FRN-R-45	X
FRN-R-50	X
FRN-R-60	X
FRN-R-70	
FRN-R-75	
FRN-R-80	
FRN-R-90	
FRN-R-100	X
FRN-R-150	
FRN-R-200	



Up to 60A



70A & Over

\*See Price Sheet for all available ratings.

### Page 38 & 39 Cartridge Fuse Dimensions - in (mm)

#### Ferrule Styles

Amp	250V		600V	
Range	A	B	A	B
1/10-30	2 (50.8)	0.56 (14.3)	5.0 (127.0)	0.81 (20.6)
35-60	3 (76.2)	0.81 (20.6)	5.5 (139.7)	1.06 (27.0)

#### Blade Styles

Amp	250V		600V	
Range	A	B	A	B
70-100	5.88 (149.2)	1.06 (26.9)	7.88 (200.0)	1.34 (34.0)
110-200	7.13 (181.0)	1.56 (39.6)	9.63 (244.5)	1.84 (46.7)
225-400	8.63 (219.1)	2.06 (52.3)	11.63 (295.3)	2.59 (65.8)
450-600	10.38 (263.5)	2.59 (65.8)	13.38 (339.7)	3.13 (79.5)

Cartridge Fuses

FRS-R 600Vac Dual-Element, Time-Delay Class RK5 Fuses

Part No. (Amps*)
FRS-R-2
FRS-R-3
FRS-R-3½
FRS-R-4
FRS-R-5
FRS-R-6
FRS-R-6¼
FRS-R-7
FRS-R-8
FRS-R-10
FRS-R-12
FRS-R-15
FRS-R-17½
FRS-R-20
FRS-R-25
FRS-R-30
FRS-R-35
FRS-R-40
FRS-R-45
FRS-R-50
FRS-R-60
FRS-R-70
FRS-R-80
FRS-R-90
FRS-R-100
FRS-R-125
FRS-R-150
FRS-R-175
FRS-R-200

\*See Price Sheet for all available ratings.



CDN Type D and PON Type P CSA Certified Standard Code Fuses

Economical fuses for a variety of applications where available short-circuit current is relatively low.

CDN 250Vac CSA Type D Time-Delay Fuses

Part No. (Amps*)	Blister Pack
CDN10	
CDN12	
CDN15	X
CDN20	X
CDN25	X
CDN30	X
CDN35	X
CDN40	X
CDN45	X
CDN50	X
CDN60	X
CDN100	
CDN110	
CDN175	
CDN200	

\*See Price Sheet for all available ratings.



PON 250Vac Type P One-Time Fuses

Part No. (Amps*)	Blister Pack
PON15	X
PON20	X
PON25	X
PON30	X
PON35	X
PON40	X
PON45	X
PON50	X
PON60	X

\*See Price Sheet for all available ratings.

