

Cooper Bussmann

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FRN-R-2-1/4

Class RK5, Dual Element, Time Delay

Product Information

| | |
|-----------------|------------------|
| Product Type: | Fuse |
| Product Family: | Electrical Power |
| Brand: | Cooper Bussmann |
| Sub-brand: | Fusetron |
| Class: | RK5 |

Recommended Products

| | |
|------------------|-------------------------------|
| Rec. Fuse Block: | R25030 Series |
| Rec. Cover: | SAMI-9 Series |

Physical Properties

| | |
|-------------|-----------------------------------|
| Dimensions: | 2in. (L) × 0.56in. (W) × 0in. (H) |
|-------------|-----------------------------------|

Certifications

| |
|-------------------------------|
| UL Listed |
| CSA Certified |

Electrical Properties

| | |
|--------------------------|--|
| Maximum AC Voltage: | 250 |
| Maximum DC Voltage: | 125 |
| Amperage Rating: | 2.25 |
| 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
1/10-60A



Catalog Symbol: FRN-R

Current-Limiting
Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current

Ampere Rating: 1/10 to 60 Amperes

Voltage Rating: 250 Volts AC (or less)

Interrupting Rating: 200,000A RMS Sym.

DC Ratings: 20,000 AIC @ 125 VDC

Agency Approvals:

UL Listed, Std. 248-12, Class RK-5, Guide JDDZ, File E4273
CSA Certified, C22.2 No. 248.12, Class 1422-01, File 53787

Catalog Numbers

| | | |
|--------------|--------------|--------------|
| FRN-R-1/10 | FRN-R-19/10 | 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-3/10 | FRN-R-2 1/2 | FRN-R-12 |
| FRN-R-1/4 | FRN-R-2 9/10 | 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-9/10 | FRN-R-4 | FRN-R-30 |
| FRN-R-9/10 | 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 9/10 | FRN-R-45 |
| FRN-R-1 1/4 | FRN-R-6 | FRN-R-50 |
| FRN-R-1 1/10 | FRN-R-6 3/4 | FRN-R-60 |
| FRN-R-1 1/2 | FRN-R-7 | — |
| FRN-R-1 9/10 | FRN-R-7 1/2 | — |

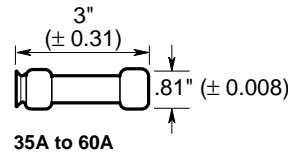
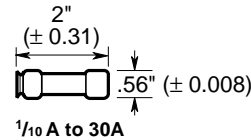
Carton Quantity and Weight

| Ampere Ratings | Carton Qty. | Weight* | |
|----------------|-------------|---------|-------|
| | | Lbs. | Kg. |
| 0-15 | 10 | 0.40 | 0.181 |
| 17.5-30 | 10 | 0.50 | 0.227 |
| 35-60 | 10 | 1.00 | 0.453 |

*Weight per carton.



Dimensional Data



General Information:

- 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.) | | | | |
|------|-------|----------------------|----------------------------|-------------|--------------|--------------------|----|
| | | | Screw w/ | Box Lug w/ | | 1/4" Quick-Connect | |
| | | | | Pres. Plate | Clip CU only | | |
| 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 |
| | 1 | R25060-1 | SR | — | CR | COR | — |
| 31 | 2 | R25060-2 | SR | — | CR | COR | — |
| | 3 | R25060-3 | SR | — | CR | COR | — |