

Fusetron™ FRN-R Class RK5 250Vac/125Vdc 1/10-60A, dual element, time-delay fuses



Catalog symbols:

- FRN-R_ (non-indicating)
- FRN-R_ID (indicating)

Description:

Eaton Bussmann® series advanced protection, energy efficient FRN-R Class RK5 dual element, current-limiting, time-delay fuses with optional open fuse indication on select ratings. Time-delay – 10 seconds (minimum) at 500% of rated current (8 seconds for 1/10-30A sizes).

Specifications:

Ratings

- Volts
 - 250Vac
 - 125Vdc
- Amps 1/10-60A
- Interrupting rating
 - 200kA Vac RMS Sym.
 - 20kA Vdc

Agency information

- UL Listed, Std. 248-12, Class RK-5, Guide JDDZ, File E4273
- CSA Certified, C22.2 No. 248.12, Class 1422-02, File 53787
- CE

Catalog numbers (amps) — non-indicating fuses

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	

* Open fuse indication available by inserting the suffix "ID."
E.g., FRN-R-15ID.

Carton Quantity:

Amp rating	Carton qty.
1/10 – 60	10

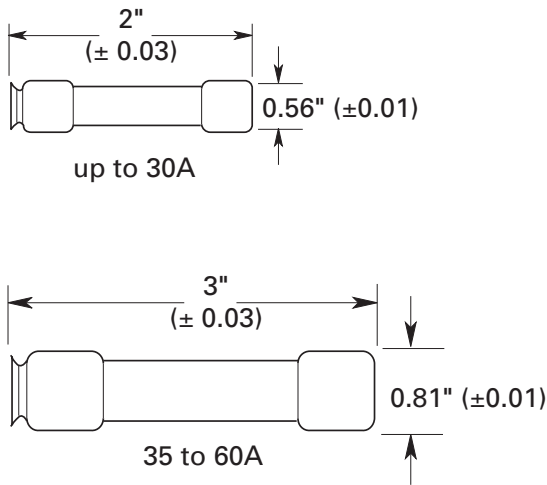
Features:

- 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



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Dimensions - in:



Recommended fuse blocks:

Fuse amps	1-pole	2-pole	3-pole
up to 30	RM25030-1_	RM25030-2_	RM25030-3_
35 to 60	RM25060-1CR	RM25060-2CR	RM25060-3CR

For additional information see data sheet no. 10289.

Fuse reducers for Class R fuses

Fuse size	Amp size of fuse block or disconnect switch	Catalog no. (pairs)
Up to 30A	60A	No.263-R
Up to 30A	100A	No.213-R
35 to 60A		No.216-R
35 to 60A	200A	No.226-R

For additional information on Class R fuse reducers, see data sheet no 1118.