

Fusetron™ Energy Efficient, Dual-element, Time-delay Fuses

FRS-R (600V) Class RK5

Specifications

Description: Dual-element, time-delay fuse – 10 seconds (minimum) at 500% rated amps. Now available with optional indication on select ratings (see Catalog Numbers table).

Dimensions: See page 15 for Class RK5 dimensions.

Ratings:

- Volts — 600Vac (or less)
- Amps — 1/10-30A
 - IR — 200kA RMS Sym.
 - 20kA @300Vdc
- Amps — 35-60A
 - IR — 200kA RMS Sym.
 - 20kA @250Vdc
- Amps — 65-600A
 - IR — 200kA RMS Sym.
 - 20kA @250Vdc



*Available
With
Indication*



Agency Information: CE, Std. 248-12, Class RK5, UL Listed, Guide JDDZ, File E4273, CSA Certified, Class 1422-02, File 53787.

Features and Benefits

- 2:1 selective coordination ratio (within RK5 fuse family) prevents electrical shutdowns from extending beyond the failed circuit.
- Insulated end caps for 65-600A fuses reduces exposure to live parts and extends air gap to distance between blades of adjacent mounted fuses or to housing.

Typical Applications

- Power Panelboards
- Motor Control Centers
- Combination Starters
- Machinery Disconnects

Catalog Numbers (Amps)

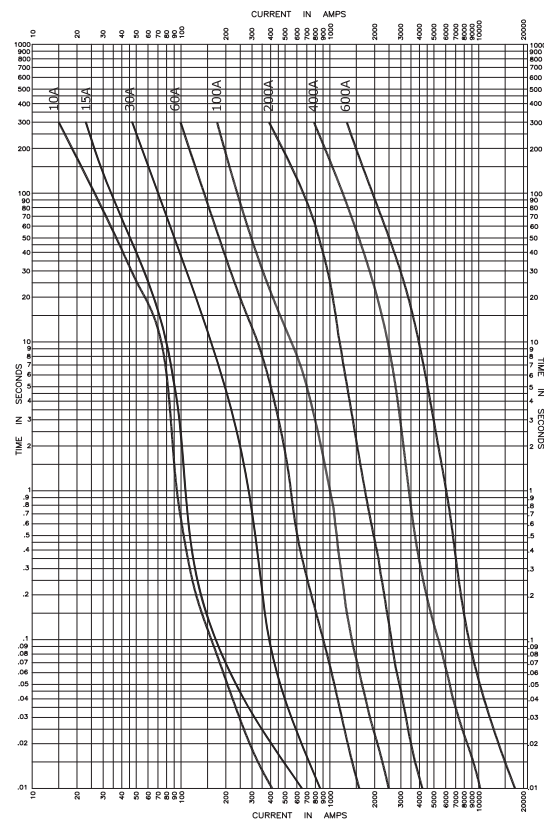
FRS-R-1/10	FRS-R-2	FRS-R-10*	FRS-R-100
FRS-R-1/8	FRS-R-2-1/4	FRS-R-12*	FRS-R-110
FRS-R-1/100	FRS-R-2-1/2	FRS-R-15*	FRS-R-125
FRS-R-1/10	FRS-R-2-3/10	FRS-R-17-1/2*	FRS-R-150
FRS-R-1/4	FRS-R-3	FRS-R-20*	FRS-R-175
FRS-R-3/10	FRS-R-3-3/10	FRS-R-25*	FRS-R-200
FRS-R-1/10	FRS-R-3-1/2	FRS-R-30*	FRS-R-225
FRS-R-1/2	FRS-R-4	FRS-R-35*	FRS-R-250
FRS-R-5/10	FRS-R-4-1/2	FRS-R-40*	FRS-R-300
FRS-R-1/10	FRS-R-5	FRS-R-45*	FRS-R-350
FRS-R-1	FRS-R-5-3/10	FRS-R-50*	FRS-R-400
FRS-R-1-1/8	FRS-R-6*	FRS-R-60*	FRS-R-450
FRS-R-1-1/4	FRS-R-6-1/2*	FRS-R-65	FRS-R-500
FRS-R-1-3/10	FRS-R-7*	FRS-R-70	FRS-R-600
FRS-R-1-1/2	FRS-R-7-1/2*	FRS-R-75	
FRS-R-1-5/10	FRS-R-8*	FRS-R-80	
FRS-R-1 1/10	FRS-R-9*	FRS-R-90	

*Available with indication. To order, place "ID" at the end of the catalog number. Example: FRS-R-7ID.

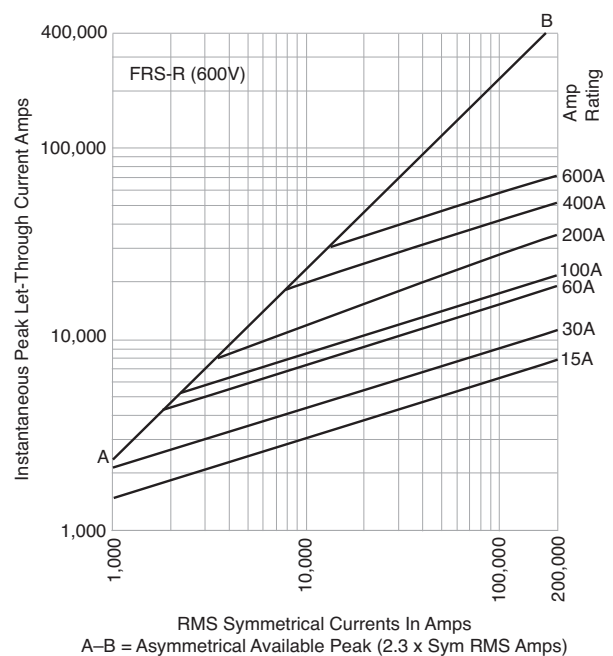
For superior electrical protection, Bussmann recommends upgrading FRS-R fuse applications to Low-Peak LPS-RK fuses. See page 41.

Data Sheet: 1017 (1/10-60), 1018 (65-600)
Data Sheet: 1070 (6-60) FRS-R with Indication

Time-Current Characteristic Curves—Average Melt



Current Limitation Curves



Recommended Fuse Holders & Blocks For Class RK5 Fuses

• See page 19

Recommended Fuse Reducers For Class R Fuses

• See page 20

Low Voltage
Branch Circuit
Fuses