



23% more energy efficient than the next leading brand



Bussmann series Fusetron fuses provide advanced protection time-delay fuse.

Product description:

Eaton's Bussmann™ series Fusetron™ fuses are, on average, 23% more energy efficient than the next leading brand, saving users money*. The energy efficient RK5 fuses utilize a separate overload element to provide the best time-delay performance for sizing as close as 125% of motor Full Load Amps (FLA).

Fusetron, 225-600 amp fuses enhance safety with insulated end caps to reduce exposure to live parts and extend air gap distance between blades of adjacent mounted fuse or to housing.

*Test results are based on weighted sales volume of Fusetron and Ferraz Shawmut (Mersen) fuses by selected amp and volt rating combination. Next leading brand refers to Ferraz Shawmut based on third-party fuse market share data for a twenty-seven month period (July 2008 through September 2010).

Features and benefits:

- Dual-element feature provides the best time-delay performance, allowing closer sizing and superior protection of motors and transformers.
- Closer sizing allows for smaller fuses and less costly switches.
- 200kA interrupting rating allows use in a broad range of applications.
- Most common fuses are in stock and ready to ship within 24 hours with QuikShip Everyday Service.



Time-delay Fusetron fuses are ideally suited for protecting motor and transformer loads.



Powering Business Worldwide

Fuses Made Simple™ is the easiest and fastest way to select and specify fuses

Four fuse families in three tiers of protection offer distinct levels of performance benefits to help speed specification and selection:



Ultimate protection

The best worry-free protection in virtually any application. Low-Peak™ (yellow) fuses 50%* higher interrupting rating than any other similar fuse. Unique dual-element construction delivers a powerful combination of all performance options in one fuse - fast short-circuit protection, current limitation, and time-delay performance with up to 300kA interrupting ratings.

Advanced protection

Application specific protection for sensitive devices and critical components or motors and transformers. Limitron™ (black) fuses offer 10X better current limitation than basic circuit breakers or fuses**. Fusetron™ (green) fuses are 23% more energy efficient*** and the best time-delay performance. Based on the application, you can choose between fast short-circuit, current limiting performance of Limitron fuses or energy efficient, current limiting, time-delay performance of Fustron fuses and still get a 200kA interrupting rating.

Basic protection

General purpose (grey) delivers basic single-element fuse protection for service, feeder and branch circuit applications. Featuring up to 50kA interrupting ratings.



*50% higher IR (300 kA) than any other UL and CSA Class J, L and R fuses.

**Does not include current limiting circuit breakers or current limiting fuses. Protection determined by comparing published let-through values for Class CC, J, R, and T fuses versus a RMS symmetrical waveform at 200kA.

***Test results are based on weighted sales volume of Fusetron and Ferraz Shawmut (Mersen) fuses by selected amp and volt rating combination. Next leading brand refers to Ferraz Shawmut based on third-party fuse market share data for a twenty-seven month period (July 2008 through September 2010).

250V FRN-R Class RK5 dual-element, time-delay fuses

Ratings

- Volts
 - 250 Vac
 - 125 Vdc (1/10-60 A, 110-200 A)
 - 250 Vdc (225-600 A)
- Amps
 - 1/10 to 600 A
- IR
 - 200kA AC
 - 20kA DC
- Agency information
 - UL® Listed, Std. 248-12, Class RK5, Guide JDDZ, File E4273, CSA® Certified, Class 1422-01, File 53787, CE
- Data sheet
 - No. 1019 (Up to 60 A)
 - No. 1020 (70-600 A)



Catalog numbers (amps)

FRN-R-1/10	FRN-R-1-1/2	FRN-R-6	FRN-R-40	FRN-R-200
FRN-R-1/8	FRN-R-1-6/10	FRN-R-6-1/4	FRN-R-45	FRN-R-225
FRN-R-15/100	FRN-R-1-8/10	FRN-R-7	FRN-R-50	FRN-R-250
FRN-R-2/10	FRS-R-2	FRN-R-7-1/2	FRN-R-60	FRN-R-300
FRN-R-1/4	FRN-R-2-1/4	FRN-R-8	FRN-R-70	FRN-R-350
FRN-R-3/10	FRN-R-2-1/2	FRN-R-9	FRN-R-75	FRN-R-400
FRN-R-4/10	FRN-R-2-8/10	FRS-R-10	FRN-R-80	FRN-R-450
FRN-R-1/2	FRN-R-3	FRN-R-12	FRN-R-85	FRN-R-500
FRN-R-6/10	FRN-R-3-2/10	FRN-R-15	FRN-R-90	FRN-R-600
FRN-R-8/10	FRN-R-3-1/2	FRN-R-17-1/2	FRS-R-100	—
FRN-R-1	FRN-R-4	FRN-R-20	FRN-R-110	—
FRN-R-1-1/8	FRN-R-4-1/2	FRN-R-25	FRN-R-125	—
FRN-R-1-1/4	FRN-R-5	FRN-R-30	FRN-R-150	—
FRN-R-1-4/10	FRN-R-5-6/10	FRN-R-35	FRN-R-175	—

600V FRS-R Class RK5 dual-element, time-delay fuses

Ratings

- Volts
 - 600 Vac
 - 300 Vdc (1/10-30 A, 65-600 A)
 - 250 Vdc (35-60 A)
- Amps
 - 1/10 to 600 A
- IR
 - 200 kA AC, 20 kA DC
- Agency information
 - UL Listed, Std. 248-12, Class RK5, Guide JDDZ, File E4273, CSA Certified, Class 1422-02s, File 53787, CE
- Data sheet
 - No. 1017 (Up to 60 A)
 - No. 1018 (65-600 A)



Catalog numbers (amps)

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

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Printed in USA
Publication No. 10117
May 2017

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