

Fusetron™ energy efficient FRN-R fuses

Bussmann series Fusetron cartridge fuses are 23% more energy efficient* and offer the best time-delay performance. Their dual-element feature allows closer sizing to load for superior protection of motors and transformers. These Class RK5 fuses with a 200 kA interrupting rating can be used in a broad range of applications.

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 are UL Listed Class R (IR: 200 kA). Groove in end cap or notch in knife blade permit the fuse to be used in only Class H, Class K or Class R fuse blocks.

* 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).

FRN-R

250 Vac non-indicating dual-element, time-delay Class RK5 fuses

See page 52 for available assortments.



Up to 60 A



70 A and over

Amps	Catalog no.*	Retail pack**
1	FRN-R-1	—
2	FRN-R-2	—
3	FRN-R-3	—
4	FRN-R-4	—
5	FRN-R-5	—
6	FRN-R-6	—
6-1/4	FRN-R-6-1/4	—
7	FRN-R-7	—
8	FRN-R-8	—
10	FRN-R-10	BP/FRN-R-10
12	FRN-R-12	—
15	FRN-R-15	BP/FRN-R-15
17-1/2	FRN-R-17-1/2	—
20	FRN-R-20	BP/FRN-R-20
25	FRN-R-25	BP/FRN-R-25
30	FRN-R-30	BP/FRN-R-30
35	FRN-R-35	BP/FRN-R-35
40	FRN-R-40	BP/FRN-R-40
45	FRN-R-45	BP/FRN-R-45
50	FRN-R-50	BP/FRN-R-50
60	FRN-R-60	BP/FRN-R-60
70	FRN-R-70	—
75	FRN-R-75	—
80	FRN-R-80	—
90	FRN-R-90	—
100	FRN-R-100	BP/FRN-R-100
150	FRN-R-150	—
200	FRN-R-200	—

* 1 - 60 A Fuses, 10 per shelf carton
70 - 100 A Fuses, 5 per shelf carton
150 - 200 A Fuses, 40 per master case
** 10 - 60 A Fuses, 2 per pack
100 A Fuse, 1 per pack, 5 packs per shelf carton.

FRN-R fuses with easyID blown fuse indication

Featuring the same energy efficiency and electrical performance characteristics as their green label non-indicating versions, easyID FRN-R fuses offer consumers the additional advantage of blown fuse status that makes finding the open fuse easier and faster.

FRN-R_ID

250 Vac indicating dual-element, time-delay Class RK5 fuses

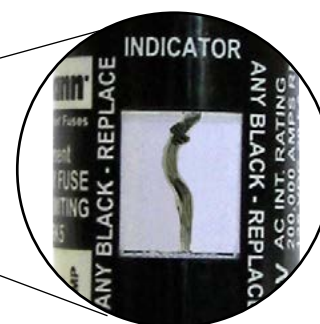
Amps	Catalog no.*	easyID retail pack**
15	FRN-R-15ID	BP/FRN-R-15ID
20	FRN-R-20ID	BP/FRN-R-20ID
30	FRN-R-30ID	BP/FRN-R-30ID
40	FRN-R-40ID	BP/FRN-R-40ID
50	FRN-R-50ID	BP/FRN-R-50ID
60	FRN-R-60ID	BP/FRN-R-60ID

* 10 Fuses per shelf carton.
** 2 Fuses per pack, 5 packs per shelf carton.

easyID blown fuse indication



Good



Indicator shows when fuse is blown

Retail hardware planogram

Color-coded packaging for fast, easy product selection.

Visual categorization

- Color-coded Bussmann series retail packaging.
- Fast and easy product identification.
- Provides increased shoppability and faster merchandising.

Merchandising ease

- Retail set is simple and straightforward.
- Color-coding encourages return of product to correct gondola peg.
- Reduces need for assistance by store personnel.

Consumer friendly

- Fuse center is easily located.
- Point-of-sale identifies fuse types.
- Package color codes identify product category.



2FTHDWR-TAGS
UPC reorder tags.



2FTHDWR-KIT
Peg hooks and gondola not included.

Catalog no.	Description
2FTHDWR-KIT	95 SKU hardware prepak. Includes one of each retail pack, a complete set of reorder tags and a header card as pictured.
2FTHDWR-TAGS	Replacement set of UPC reorder tags for the 2FTHDWR-KIT. Allows for creating a custom planogram. Order tags through your Bussmann series product rep.

For details on hardware planogram product SKUs, visit Eaton.com/BussmannConsumerPOG

2FTHDWR-KIT planogram layout

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11
ROW 1	BP/AGC-1-2-RP 051712388559	BP/AGC-1-RP 051712175166	BP/AGC-1-1/2-RP 051712388542	BP/AGC-2-RP 051712175654	BP/AGC-3-RP 051712175708	BP/AGC-4-RP 051712175739	BP/AGC-5-RP 051712175760	BP/AGC-10-RP 051712176682	BP/AGC-15-RP 051712176828	BP/AGC-20-RP 051712177221	BP/AGC-30-RP 051712178402
ROW 2	BP/MDL-1-2 051712813358	BP/MDL-1 051712813365	BP/MDL-2 051712813389	BP/MDL-3 051712813396	BP/MDL-4 051712813204	BP/MDL-5 051712813402	BP/MDL-6 051712813211	BP/MDL-7 051712813228	BP/MDL-8 051712813235	BP/MDL-10 051712814935	BP/MDL-15 051712814942
ROW 3	BP/GMA-250MA 051712614498	BP/GMA-500MA 051712614504	BP/GMA-750MA 051712539012	BP/GMA-1A 051712617635	BP/GMA-2A 051712617642	BP/GMA-3A 051712617659	BP/GMA-5A 051712617666	BP/GMA-6A 051712617673	BP/GMA-7A 051712623117	BP/GMC-5 051712735919	BP/GDC-5A 051712618199
ROW 4	BP/ATC-3-RP 051712173216	BP/ATC-5-RP 051712173223	BP/ATC-3ID 051712237796	BP/ATC-5ID 051712237819	BP/ABC-10 051712813419	BP/ABC-15 051712161046	BP/ABC-20 051712249508	BP/MAS-3A 051712637084	HEF-1 051712161015		HEF-2 051712161022
ROW 5	BP/FNM-5 051712751674	BP/FNM-10 051712751681	BP/FNM-15 051712751704	BP/FNM-20 051712617598	BP/FNM-30 051712617604	BP/SC-15 051712617611	BP/SC-20 051712593120	BP/SC-30 051712593137			
ROW 6	BP/FRN-R-10 051712617628	BP/FRN-R-15 051712112017	BP/FRN-R-15ID 051712237178	BP/FRN-R-20ID 051712237116	BP/FRN-R-30ID 051712237123	BP/FRN-R-40ID 051712237130	BP/FRN-R-50ID 051712237147	BP/FRN-R-60ID 051712237154			
ROW 7	BP/FRN-R-20 051712112024	BP/FRN-R-25 051712112031	BP/FRN-R-30 051712112048	BP/FRN-R-35 051712112055	BP/FRN-R-40 051712112062	BP/FRN-R-45 051712112079	BP/FRN-R-50 051712112086	BP/FRN-R-60 051712112093			
ROW 8	BP/NON-15 051712111010	BP/NON-20 051712111027	BP/NON-25 051712111034	BP/NON-30 051712111041	BP/NON-35 051712111058	BP/NON-40 051712111065	BP/NON-50 051712111089	BP/NON-60 051712111096			
ROW 9	BP/TLA 051712697552	BP/T-10 051712103084	BP/T-15 051712102216	BP/T-20 051712102223	BP/T-25 051712102230	BP/T-30 051712102247	BP/MB-15 051712274753	BP/MB-20 051712274760			
ROW 10	BP/SLA 051712697569	BP/S-6-1/4 051712103206	BP/S-10 051712103220	BP/S-15 051712102414	BP/S-20 051712102421	BP/S-30 051712102445	BP/SSU 051712171021				
SITS ON SHELF	TLEK 051712501378			SLEK 051712502078		BP/NON-10 0051712762632		BP/FRN-R-100 051712100137		BP/FP-2 051712340014	