#### Effective December 2015 Supersedes March 2014

# BUSSMANN SERIES

# REN (250V) and RES (600V) Renewable Class H size fuses



# **Description:**

Non-current limiting, renewable 250V (REN) and 600V (RES) Class H size fuses and fuse links (250V LKN and 600V LKS) for use in electrical systems where the available fault current is less than 10,000 amps and frequent outages dictate the economy of these renewable type fuses.

NOTE: The 70-600 amp ratings of the REN and RES fuses are now discontinued.

#### Suggested replacements are:

- REN; Use 250V FRN-R Class RK5 fuses (see data sheet No. 1020)
- RES; Use 600V FRS-R Class RK5 fuses (see data sheet No. 1018)

Replacement fuse links for all 1-600A ratings (250V LKN and 600V LKS) will continue to be available to service the installed base of REN and RES fuses.

# Specifications:

# Ratings

- · Volts
  - REN 250Vac
  - · RES 600Vac
- · Amps
  - · 1-60A
- Interrupting Rating
  - · 10kA RMS Sym.

250V REN Catalog numbers (1-60 Amps)			
REN-1	REN-6	REN-15	REN-40
REN-2	REN-7	REN-20	REN-45
REN-3	REN-8	REN-25	REN-50
REN-4	REN-10	<b>REN-30</b>	REN-60
REN-5	REN-12	REN-35	-

#### 250V REN Carton quantity and weight

Carton qty	Weight Ibs (kg)*
10	0.55 (0.249)
10	1.40 (0.634)
	<b>qty</b> 10

\*Weight per carton.

600V RES Catalog numbers (1-60 Amps)			
RES-1	RES-6	RES-20	RES-45
RES-2	RES-8	RES-25	RES-50
RES-3	RES-10	RES-30	RES-60
RES-4	RES-12	RES-35	-
RES-5	RES-15	RES-40	-
	-		

#### 600V RES Carton quantity and weight

Catalog	Carton	Weight
number	qty	lbs (kg)*
RES 1–30	10	0.18 (0.082)
RES 35-60	10	0.36 (0.163)

\*Weight per carton.

#### Features

These fuses are generally sized at the amp rating of non-inductive circuits and 300% for motor circuits.

#### Recommended fuse blocks

Part number	Description
HM250	250V, 30 and 60A 1-, 2- and 3-pole open fuse blocks
HM600	600V, 30 and 60A 1-, 2 and 3-pole open fuse blocks

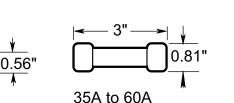
For details, see data sheet No. 10289.

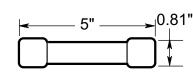


# **Dimensions - in**

250V REN

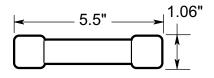
1A to 30A





**600V RES** 

1A to 30A



35A to 60A

# **Replacement 250V REN and 600V RES fuse links**

250V LKN Fuse link catalog numbers (amps)

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

#### 250V LKN Fuse link carton quantity and weight

Carton	Weight
qty	lbs (kg)*
20	0.05 (0.02)
20	0.20 (0.09)
10	0.20 (0.09)
5	0.25 (0.11)
5	0.55 (0.25)
2	0.32 (0.15)
	qty   20   20   10   5   5

\*Weight per carton.

#### 600V LKS Fuse link catalog numbers (amps)

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

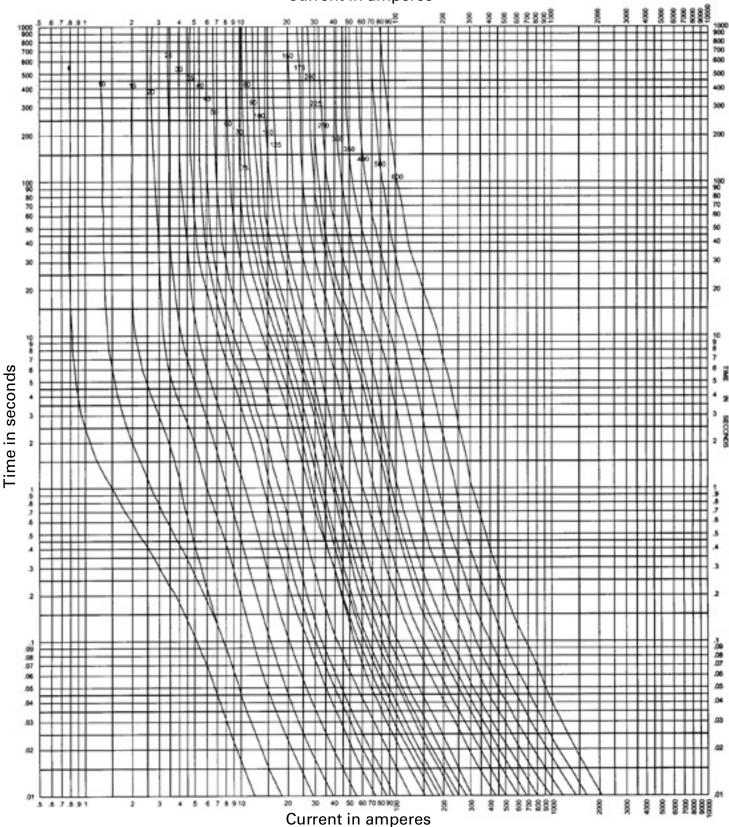
### 600V RES Fuse link carton quantity and weight

Catalog	Carton	Weight
number	qty	lbs (kg)*
LKS 1–30	20	0.05 (0.02)
LKS 35–60	20	0.02 (0.09)
LKS 65–100	10	0.02 (0.09)
LKS 110–200	5	0.25 (0.11)
LKS 225–400	5	0.55 (0.25)
LKS 450–600	2	0.32 (0.15)

\*Weight per carton.

# **Time-current characteristic curves – average melt**

250V REN (LKN Fuse links)

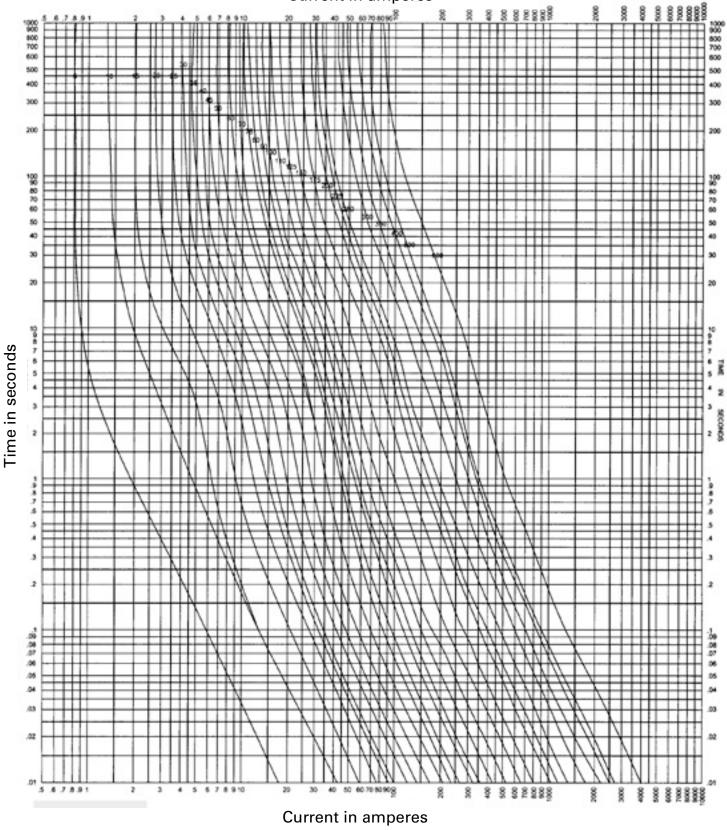


Current in amperes

# Time-current characteristic curves – average melt

600V RES (LKS Fuse links)

Current in amperes



4

The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Eaton 1000 Eaton Boulevard Cleveland, OH 44122 United States Eaton.com

Bussmann Division 114 Old State Road Ellisville, MO 63021 United States Eaton.com/bussmannseries



© 2015 Eaton All Rights Reserved Printed in USA Publication No. 1028 – BU-SB14109 December 2015 Eaton and Bussmann are valuable trademarks of Eaton in the US and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton. For Eaton's Bussmann series product information, call **1-855-287-7626** or visit: **Eaton.com/bussmannseries** 

Follow us on social media to get the latest product and support information.

