# Bussmann

## REN (250V) & RES (600V) Renewable Class H Fuses

### Description

Non-current limiting, renewable 250V (REN) and 600V (RES) Class H 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 # 1020)
- RES; Use 600V FRS-R Class RK5 fuses (see data sheet # 1018)

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

### 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 | REN-30 | REN-60 |
| REN-5 | REN-12 | REN-35 | - |

### 250V REN Carton quantity and weight

| Catalog Number | Carton Qty | Weight Lbs (kg)* |
|---|---|---|
| REN 1–30 | 10 | 0.55 (0.249) |
| REN 35–60 | 10 | 1.40 (0.634) |

*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 Number | Carton Qty | Weight Lbs (kg)* |
|---|---|---|
| RES 1–30 | 10 | 0.18 (0.082) |
| RES 35–60 | 10 | 0.36 (0.163) |

*Weight per carton.

### Features

- Designed without multiple links for easy fuse link replacement.
- These fuses are generally sized at the amp rating of non-inductive circuits and 300% for motor circuits.

### Recommended fuse blocks

| Part Number | Description |
|---|---|
| H250 Series | 250V, 30A & 60A 1-, 2- and 3-pole open fuse blocks |
| H600 Series | 600V, 30A & 60A 1-, 2 and 3-pole open fuse blocks |

For details, see data sheet # 1112 for the H250 Series and data sheet # 1113 for the H600 Series.

**Dimensions - in**

250V REN

1A to 30A

35A to 60A

600V RES

1A to 30A

35A to 60A

## Replacement 250V REN & 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 | — |

### 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 | — |

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

| Catalog Number | Carton Qty | Weight Lbs (kg)* |
|---|---|---|
| LKN 1–30 | 20 | 0.05 (0.02) |
| LKN 35–60 | 20 | 0.20 (0.09) |
| LKN 70–100 | 10 | 0.20 (0.09) |
| LKN 110–200 | 5 | 0.25 (0.11) |
| LKN 225–400 | 5 | 0.55 (0.25) |
| LKN 450–600 | 2 | 0.32 (0.15) |

*Weight per carton.

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

| Catalog Number | Carton Qty | Weight 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)

## Time-current characteristic curves – average melt

600V RES (LKS Fuse links)

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