# 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 | 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

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

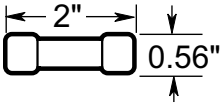
### Recommended fuse blocks

| 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 |

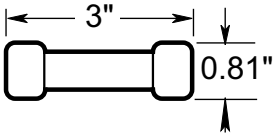
For details, see data sheet No. 10289.

## Dimensions - in

250V REN

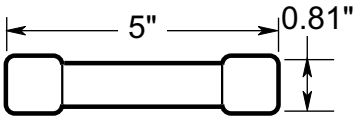



1A to 30A

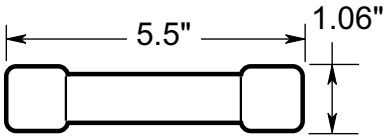



35A to 60A

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

| 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 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 | — |

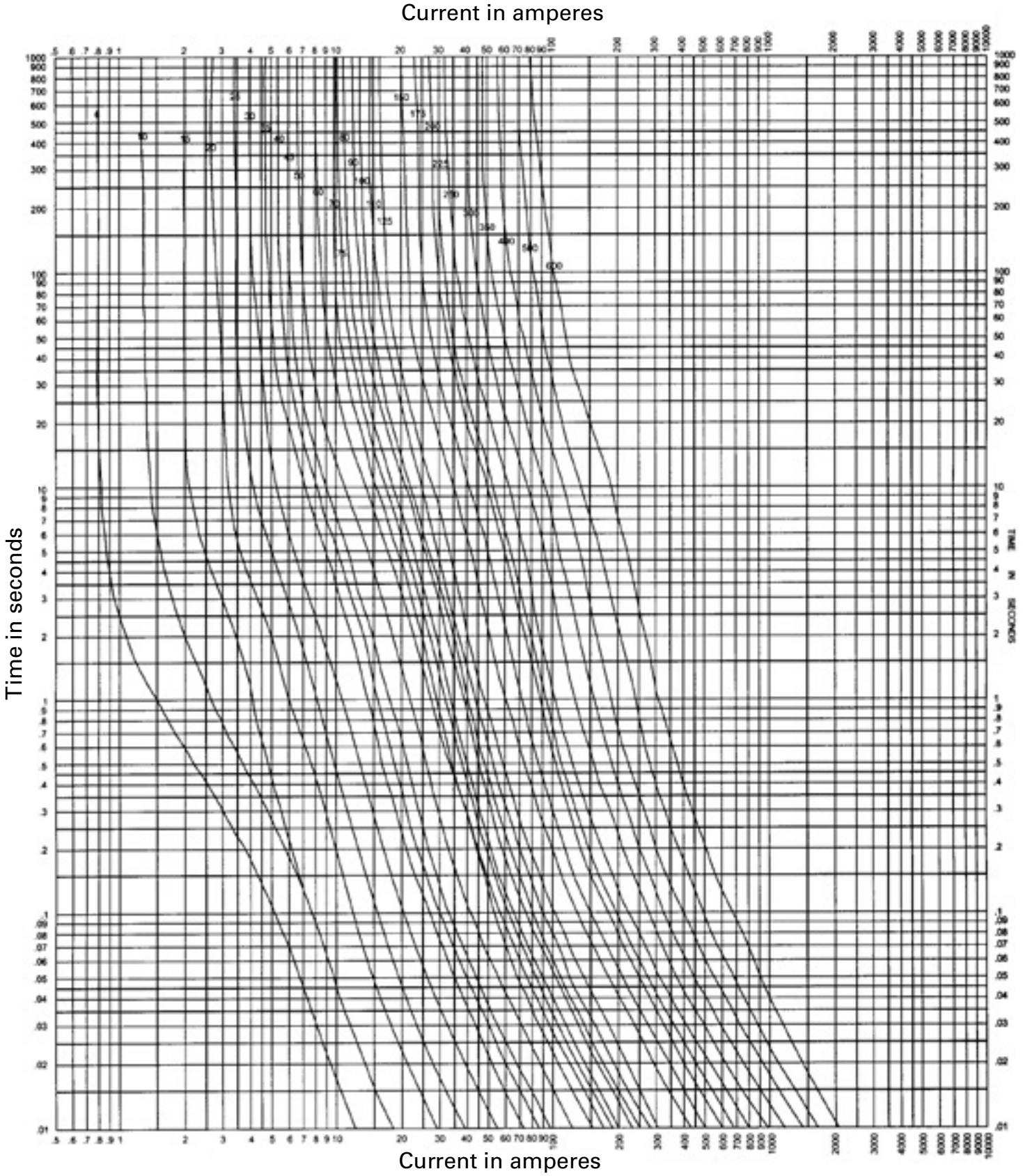
### 600V RES Fuse link carton quantity and weight

| Catalog 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.

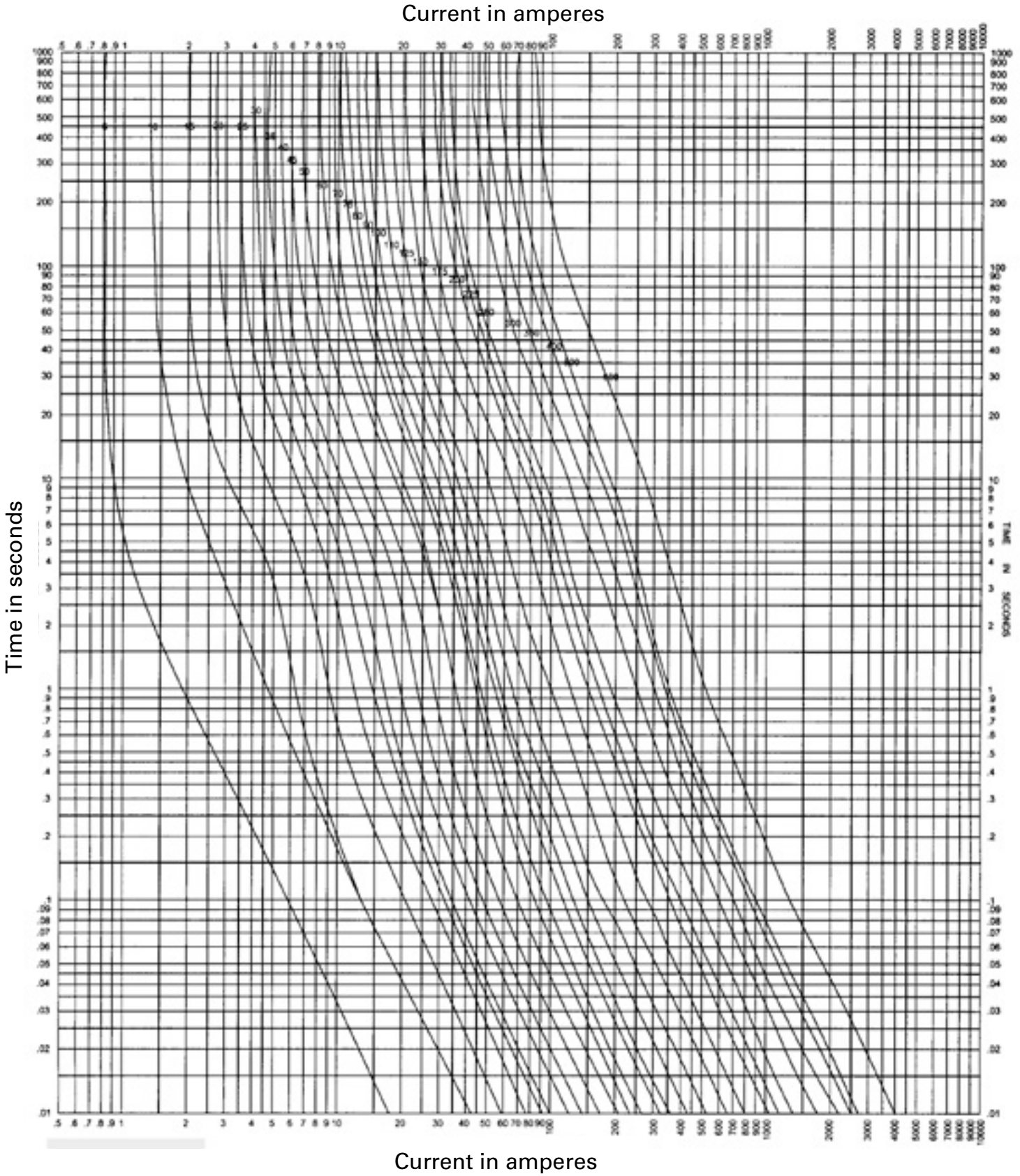
## Time-current characteristic curves – average melt

### 250V REN (LKN Fuse links)



## Time-current characteristic curves – average melt

600V RES (LKS Fuse links)



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

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

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# 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 | 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

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

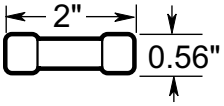
### Recommended fuse blocks

| 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 |

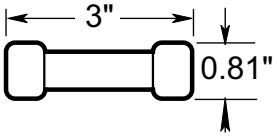
For details, see data sheet No. 10289.

## Dimensions - in

250V REN

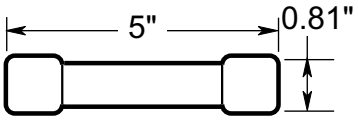



1A to 30A

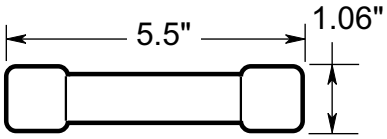



35A to 60A

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

| 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 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 | — |

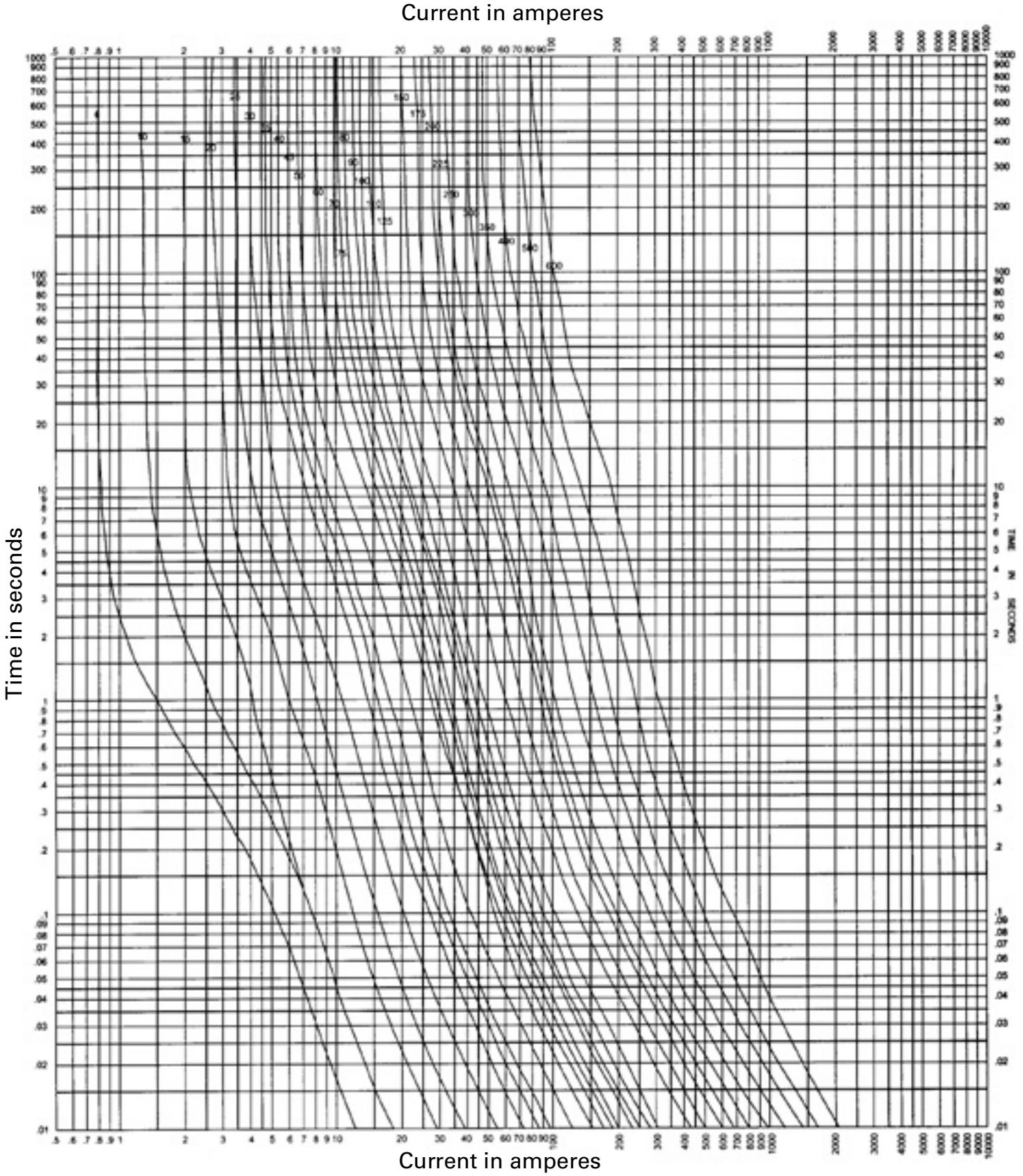
### 600V RES Fuse link carton quantity and weight

| Catalog 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.

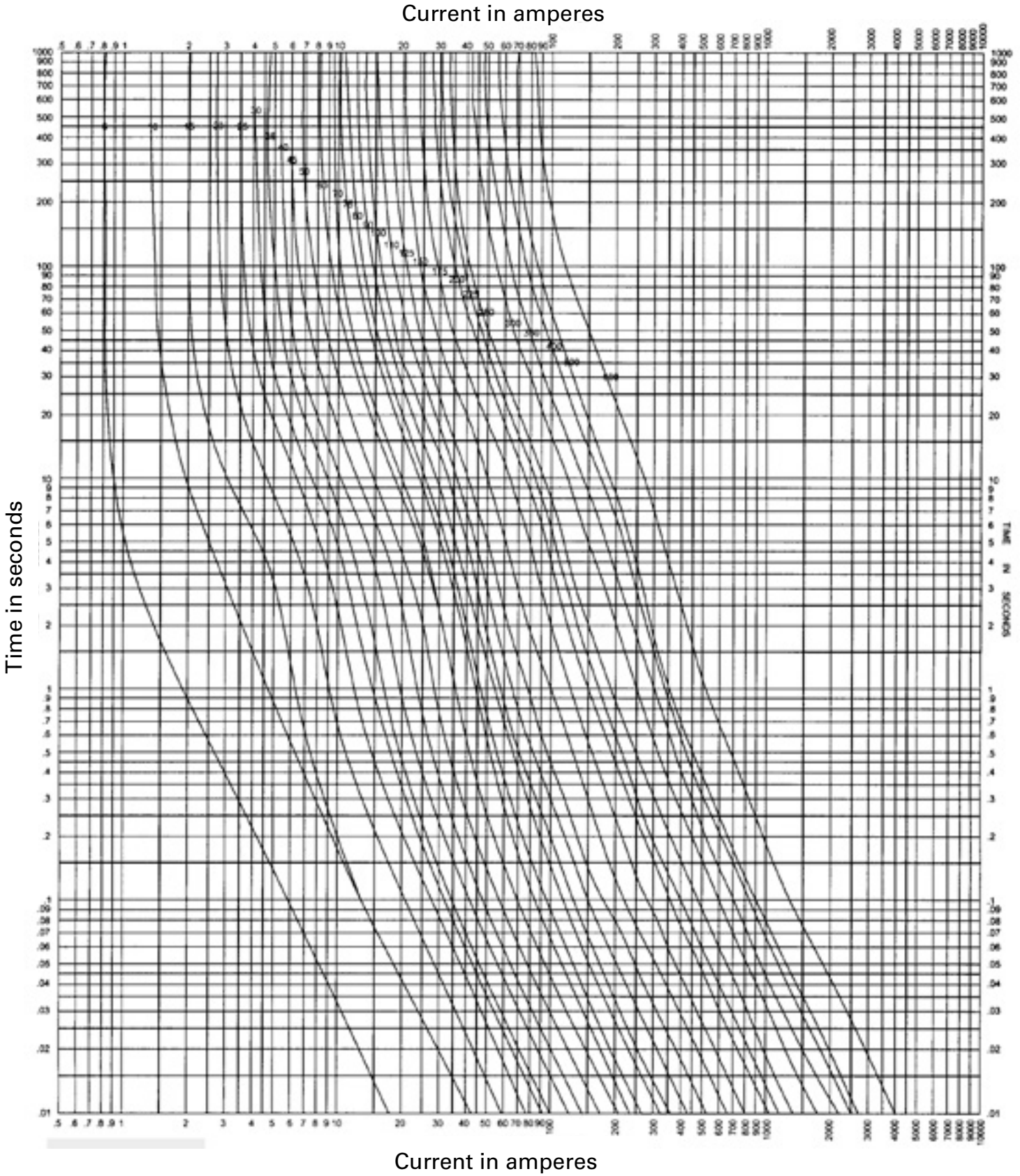
## Time-current characteristic curves – average melt

### 250V REN (LKN Fuse links)



## Time-current characteristic curves – average melt

600V RES (LKS Fuse links)



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United States
Eaton.com

Bussmann Division
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Ellisville, MO 63021
United States
Eaton.com/bussmannseries

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