

# SC Class G, 600Vac/480Vac, 1/2-60A size-rejecting fuses

RoHS



## Catalog symbol:

- SC-(amp)

## Description:

Basic protection Class G size-rejecting, current limiting fuses. 1/2 to 6A Fast-acting, 7 to 60A time-delay. Time-delay – 12 seconds (minimum) at 200% of rated current.

## Specifications:

### Ratings

- Volts
  - 600Vac/170Vdc (1/2-20A)
  - 480Vac/300Vdc (25-60A)
- Amps 1/2-60A
- IR
  - 100kA Vac RMS Sym.
  - 10kA Vdc

### Agency information

- UL® Listed, Std. 248-5, Class G, Guide JDDZ, File E4273
- CSA® Certified, C22.2 No. 248.5, Class 1422-01, File 53787
- CE
- RoHS compliant

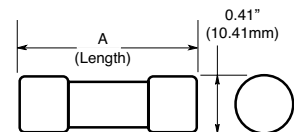
### Catalog numbers (amps)

|          |       |       |
|----------|-------|-------|
| SC-1/2   | SC-6  | SC-30 |
| SC-1     | SC-7  | SC-35 |
| SC-1-1/2 | SC-8  | SC-40 |
| SC-2     | SC-10 | SC-45 |
| SC-2-1/2 | SC-12 | SC-50 |
| SC-3     | SC-15 | SC-60 |
| SC-4     | SC-20 |       |
| SC-5     | SC-25 |       |

### Carton quantity:

| Amp rating | Carton qty. |
|------------|-------------|
| 1/2-20     | 4           |
| 25-60      | 2           |

### Dimensions - in (mm):



| Amp rating | A           |
|------------|-------------|
| 1/2-15     | 1.31 (33.3) |
| 20         | 1.41 (35.8) |
| 25 to 30   | 1.62 (41.1) |
| 35 to 60   | 2.25 (57.1) |

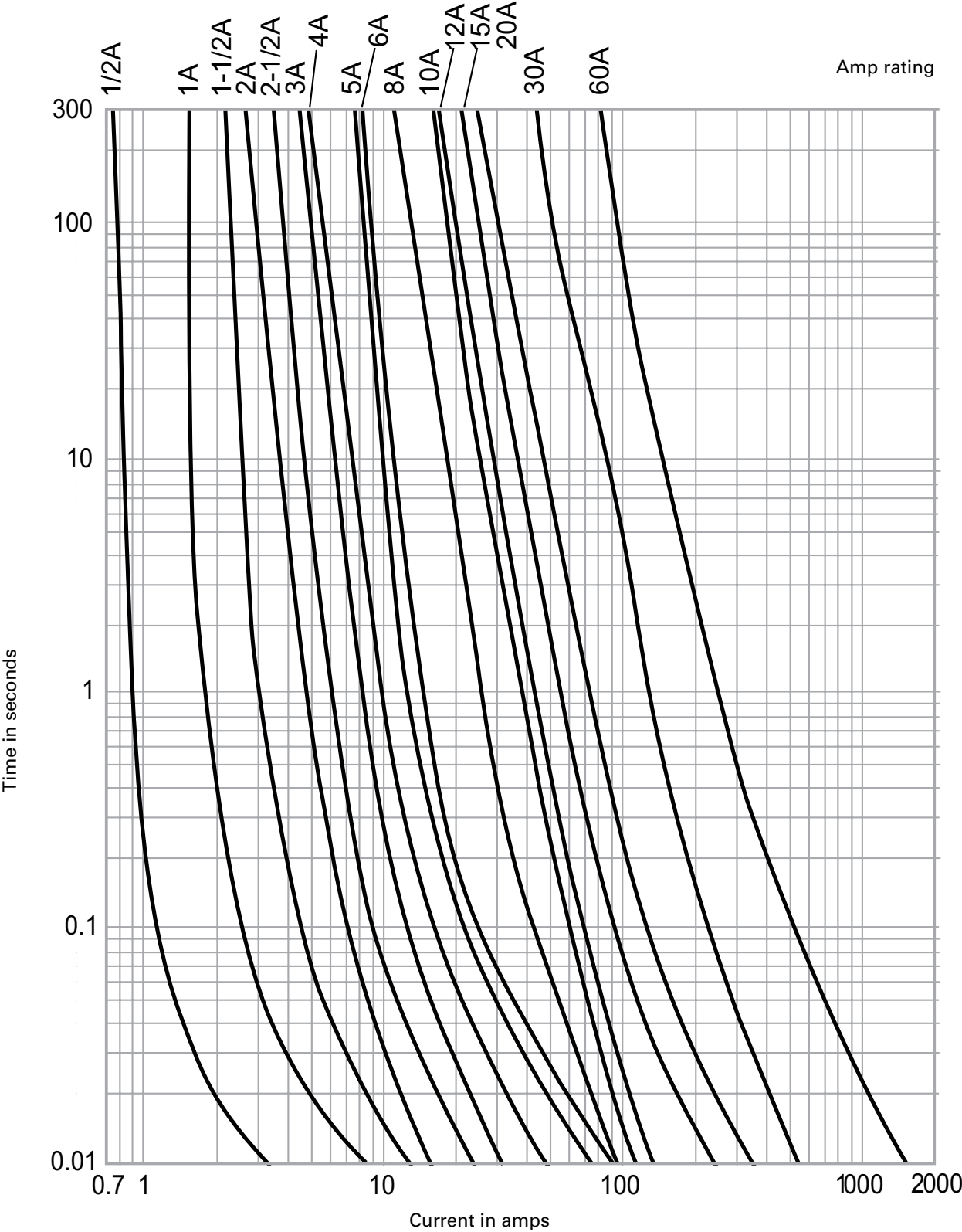
### Features:

- Meets basic protection requirements of NEC®, Canadian Electrical Code (CEC), UL and CSA.
- Most economical overcurrent protection solution compared to circuit breakers.
- For use in various non-demanding, general purpose applications.
- Compact branch-circuit units with high interrupting rating and current-limitation.
- With up to a 600V rating, they can be used in 120/208V, 120/240V, and 277/480V circuits.
- Size rejection by length helps prevent overfusing.
- Fuses 7 amps and above have a degree of overload time-delay that permits them to pass temporary overloads.

**EATON**

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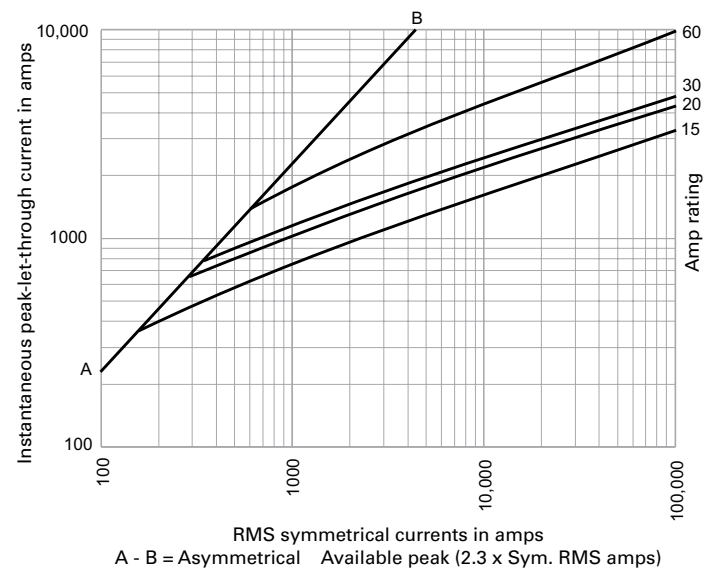
Time-current curves - average melt:



**Recommended fuse blocks:** Fo

| Fuse amps | 1-Pole     | 2-Pole     | 3-Pole     |
|-----------|------------|------------|------------|
| 1/2-15    | BG30011_   | BG30012_   | BG30013_   |
| 20        | BG30021_   | BG30022_   | BG30023_   |
| 25-30     | BG30031_   | BG30032_   | BG30033_   |
| 35-60     | G30060-1C_ | G30060-2C_ | G30060-2C_ |

For additional information on the BG and G Series of Class G fuse blocks, see data sheet No. 1006.

**Current-limitation curves:**

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