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 (½-20A)
  - 480Vac/300Vdc (25-60A)
- Amps 1/2-60A
- IR
  - 100kA Vac RMS Sym.
  - 10kA Vdc

Agency information

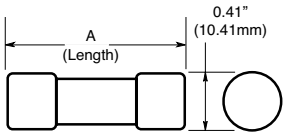
- UL® Listed, Std. 248-5, Class G, Guide JDDZ, File E4273
- CSA® Certified, C22.2 No. 248.5, Class 1422-01, File 53787
- CE
- RoHS compliant

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):

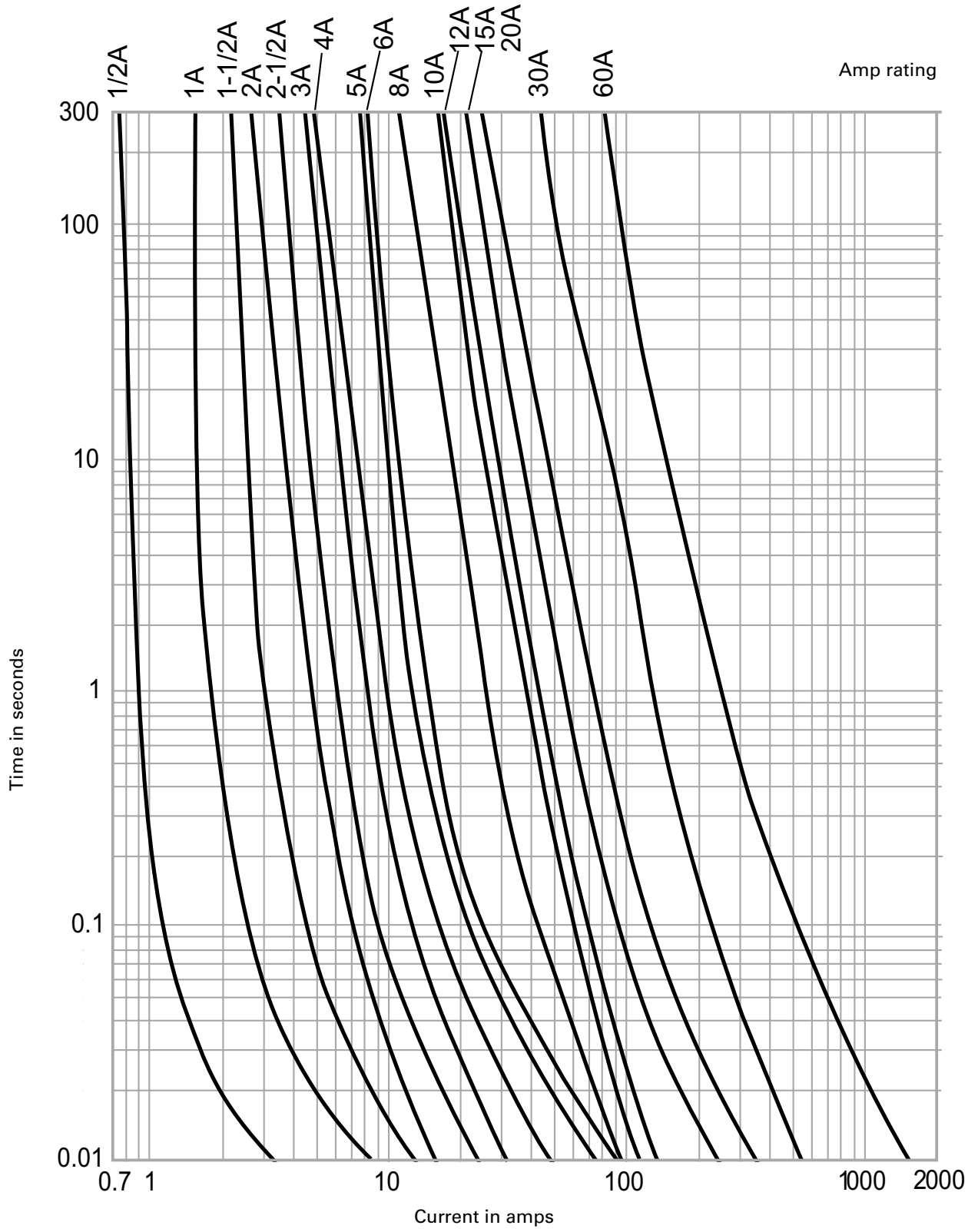


Amp rating	A
1/2-15	1.31 (33.3)
20	1.41 (35.8)
25 to 30	1.62 (41.1)
35 to 60	2.25 (57.1)

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.

Time-current curves - average melt:



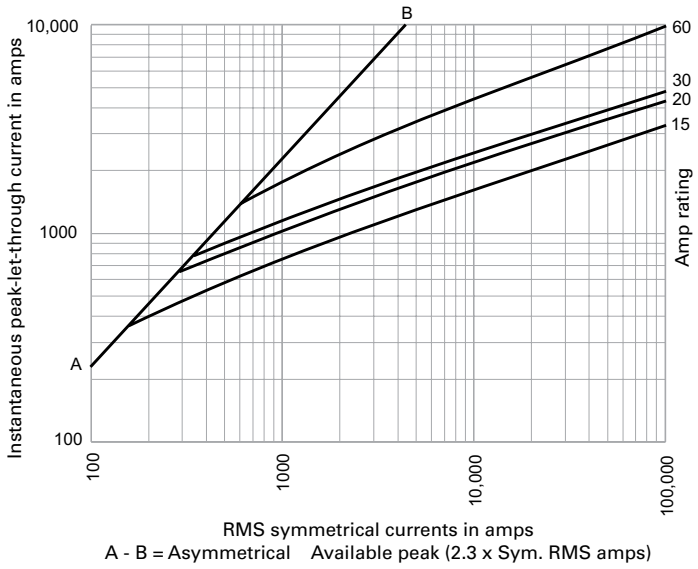
Recommended fuse blocks:

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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:



A - B = Asymmetrical Available peak (2.3 x Sym. RMS amps)

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