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

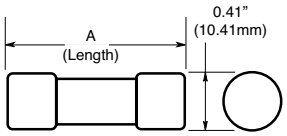
- UL® Listed, Std. 248-5, Class G, Guide JDDZ, File E4273
- CSA® Certified, C22.2 No. 248.5, Class 1422-01, File 53787
- CE
- RoHS compliant

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):

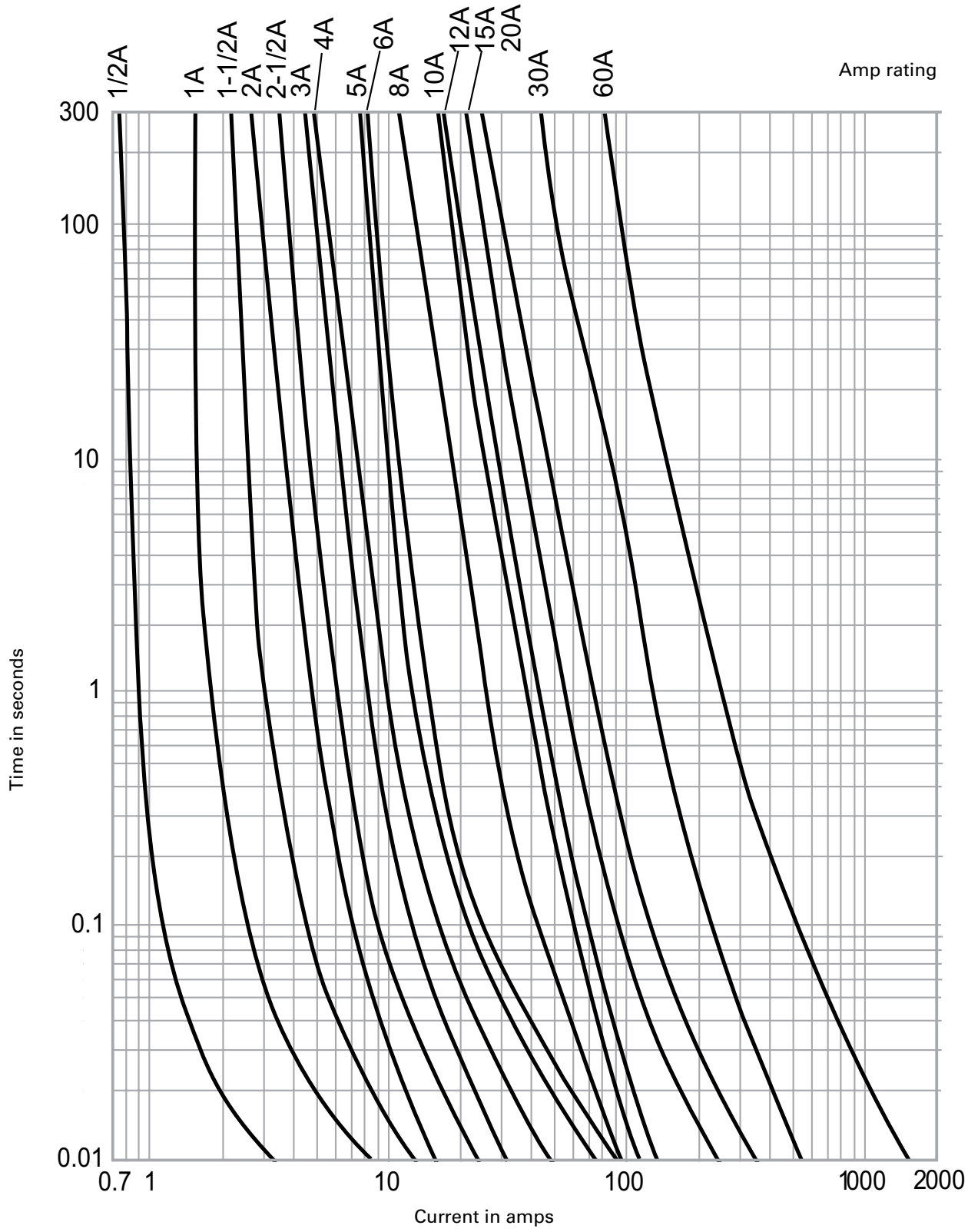


Amp rating	A
1/2-15	1.31 (33.3)
20	1.41 (35.8)
25 to 30	1.62 (41.1)
35 to 60	2.25 (57.1)

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:



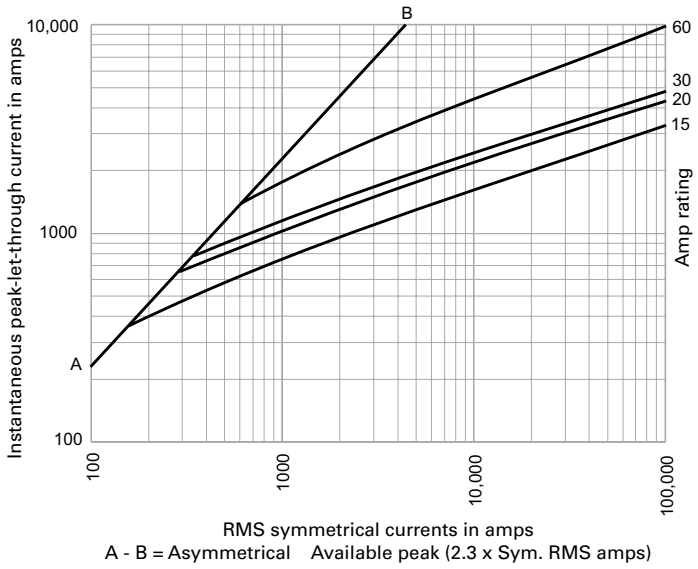
Recommended fuse blocks:

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:



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

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. 1024 – BU-SB13733
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.

CSA is a registered trademark of the Canadian Standards Group.
NEC is a registered trademark of the National Fire Protection Association, Inc.
UL is a registered trademark of the Underwriters Laboratories, Inc.

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.

Powering Business Worldwide

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Eaton:

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