

# Time-Delay Fuses

**Class G – 600 Volt, ½ - 20 Amps**  
**480 Volt, 25 - 60 Amps**



Catalog Symbol: SC

Current-Limiting

Ampere Rating: ½ to 6 Amperes (fast-acting),  
 7 to 60 Amperes (time-delay)

Voltage Ratings:

SC ½ to 20 600VAC, 170VDC

SC 25 to 60 480VAC, 300VDC

Interrupting Rating: 100,000A RMS Sym. AC, 10,000A DC

Agency Approvals:

U.L. Listed, Std. 248-5, Class G, Guide JDDZ, File E4273

CSA Certified, C22.2 No. 248.5, Class 1422-01, File 53787

## Catalog Numbers

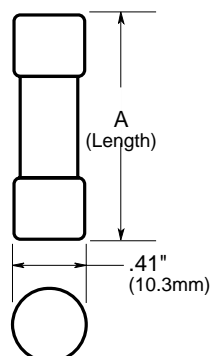
SC-½	SC-6	SC-25
SC-1	SC-7	SC-30
SC-1½	SC-8	SC-35
SC-2	SC-9	SC-40
SC-2½	SC-10	SC-45
SC-3	SC-12	SC-50
SC-4	SC-15	SC-60
SC-5	SC-20	—

## Carton Quantity and Weight

Catalog Number	Carton Qty.	Weight†	
		Lbs.	Kg.
½-15	4	0.060	0.0272
20	4	0.064	0.029
25-30	2	0.040	0.018
35-60	2	0.075	0.0340

†Weight per carton.

## Dimensional Data



Fuse (Amps)	A (±0.03) (Length) x .41" (±0.006) (Diameter)
SC-½ to -15	1.31"
SC-20	1.41"
SC-25 to -30	1.63"
SC-35 to -60	2.25"

## General Information:

- Compact branch-circuit units with high interrupting rating and current-limitation.
- With 600 volt rating, they can be used in 120/208, 120/240 and 277/480 volt circuits.
- Length variations relative to case size make the "rejection" type fuses.
- In general, SC fuses are about ½ the size of the 600 volt NEC fuse type.
- SC fuses with ampere ratings above 6 amps have a degree of overload time-delay which permits them to pass temporary overloads. At 200% load, they have a minimum opening time of 12 seconds.
- Block and fuseholder information on page 2.

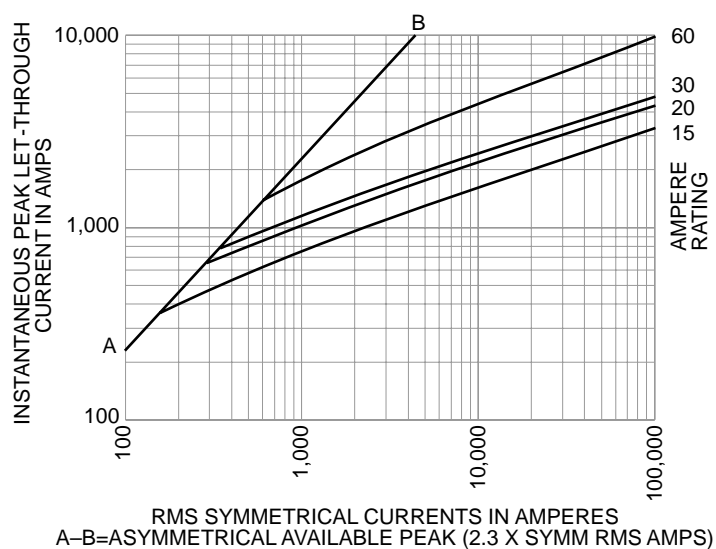
CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to BIF document #8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.

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**SC**

Peak Let-Through Curves



Standard SC Fuseblocks Catalog Data

Amps	Poles	Terminal Type			
		Screw With Quick Connect	Pressure Plate w/Quick Connect	Box Lug	Box Lug w/Retaining Clip
½ to 15	1	BG3011SQ	BG3011PQ	BG3011B	—
	2	BG3012SQ	BG3012PQ	BG3012B	—
15 to 20	3	BG3013SQ	BG3013PQ	BG3013B	—
	1	BG3021SQ	BG3021PQ	BG3021B	—
20 to 25	2	BG3022SQ	BG3022PQ	BG3022B	—
	3	BG3023SQ	BG3023PQ	BG3023B	—
25 to 30	1	BG3031S	BG3031P	BG3031B	—
	2	BG3032S	BG3032P	BG3032B	—
30 to 35	3	BG3033S	BG3033P	BG3033B	—
35 to 60	1	—	—	G30060-1C	G30060-1CR
	2	—	—	G30060-2C	G30060-2CR
60	3	—	—	G30060-3C	G30060-3CR

Panel-mount Fuseholders for SC Fuses

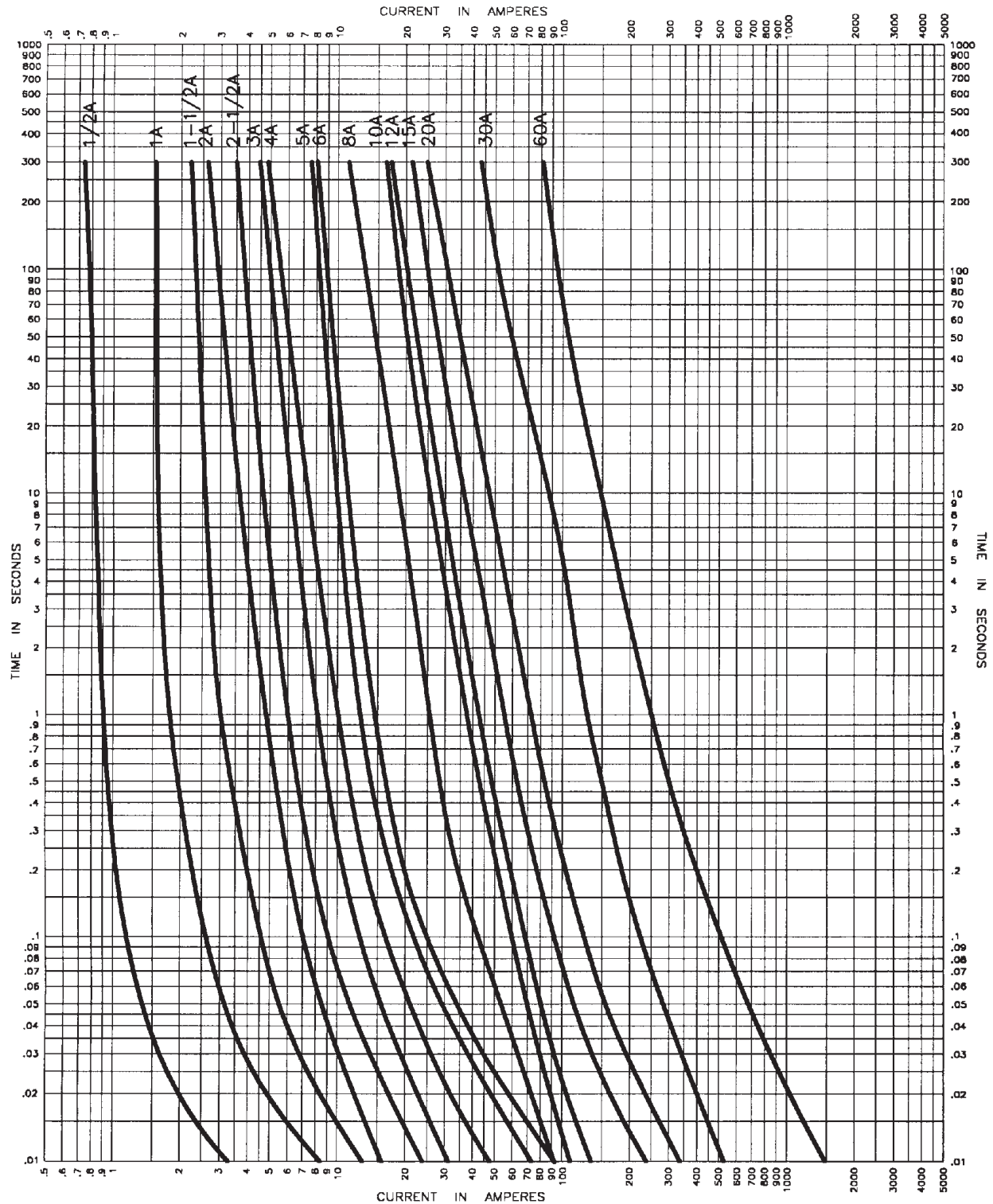
Catalog Number	Description	
	Fuse Size	Terminal Type
HPF-EE	1-15A	Solder (w/o leads)
HPF-FEE	1-15A	Leads; 10" #18 copper insul. wire
HPF-JJ	20A	Solder (w/o leads)
HPF-FF	25-30A	Solder (w/o leads)

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Time-Current Characteristic Curves-Average Melt



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