

Time-Delay Fuses

**Class G - 600 Volt, $\frac{1}{2}$ - 20 Amps
480 Volt, 25 - 60 Amps**



Catalog Symbol: SC

Current-Limiting

Ampere Rating: $\frac{1}{2}$ to 6 Amperes (fast-acting),
7 to 60 Amperes (time-delay)

Voltage Ratings:

SC $\frac{1}{2}$ 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

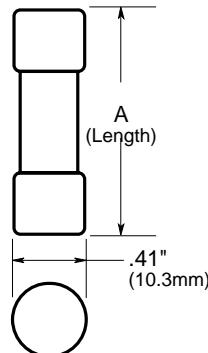
SC- $\frac{1}{2}$	SC-6	SC-25
SC-1	SC-7	SC-30
SC- $\frac{1}{2}$	SC-8	SC-35
SC-2	SC-9	SC-40
SC- $\frac{1}{2}$	SC-10	SC-45
SC-3	SC-12	SC-50
SC-4	SC-15	SC-60
SC-5	SC-20	—

Carton Quantity and Weight

Catalog Number	Carton Qty.	Weight†	
		Lbs.	Kg.
15-15	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- $\frac{1}{2}$ to -15	1.31"	
SC-20	1.41"	
SC-25 to -30	1.63"	
SC-35 to -60	2.25"	

General Information:

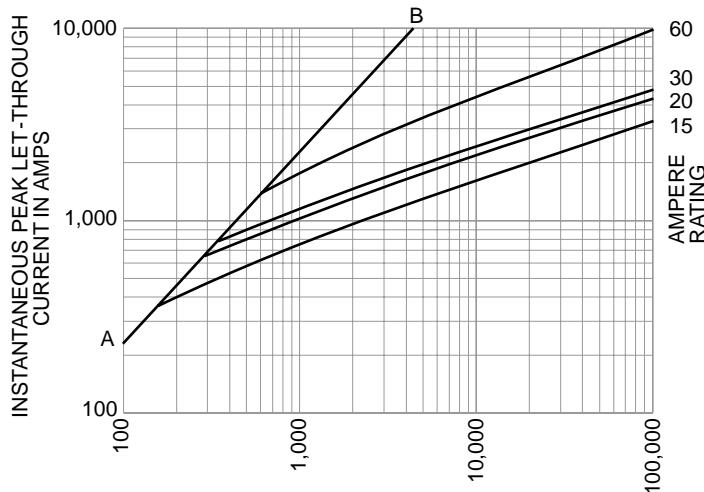
- Compact branch-circuit units with high interrupting rating and current-limitation.
- With 600 volt rating, they can be used in 120/208, 120/240 and 277/480 volt circuits.
- Length variations relative to case size make the "rejection" type fuses.
- In general, SC fuses are about $\frac{1}{2}$ the size 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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Peak Let-Through Curves



RMS SYMMETRICAL CURRENTS IN AMPERES
A-B=ASYMMETRICAL AVAILABLE PEAK (2.3 X SYMM RMS AMPS)

Standard SC Fuseblocks Catalog Data

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

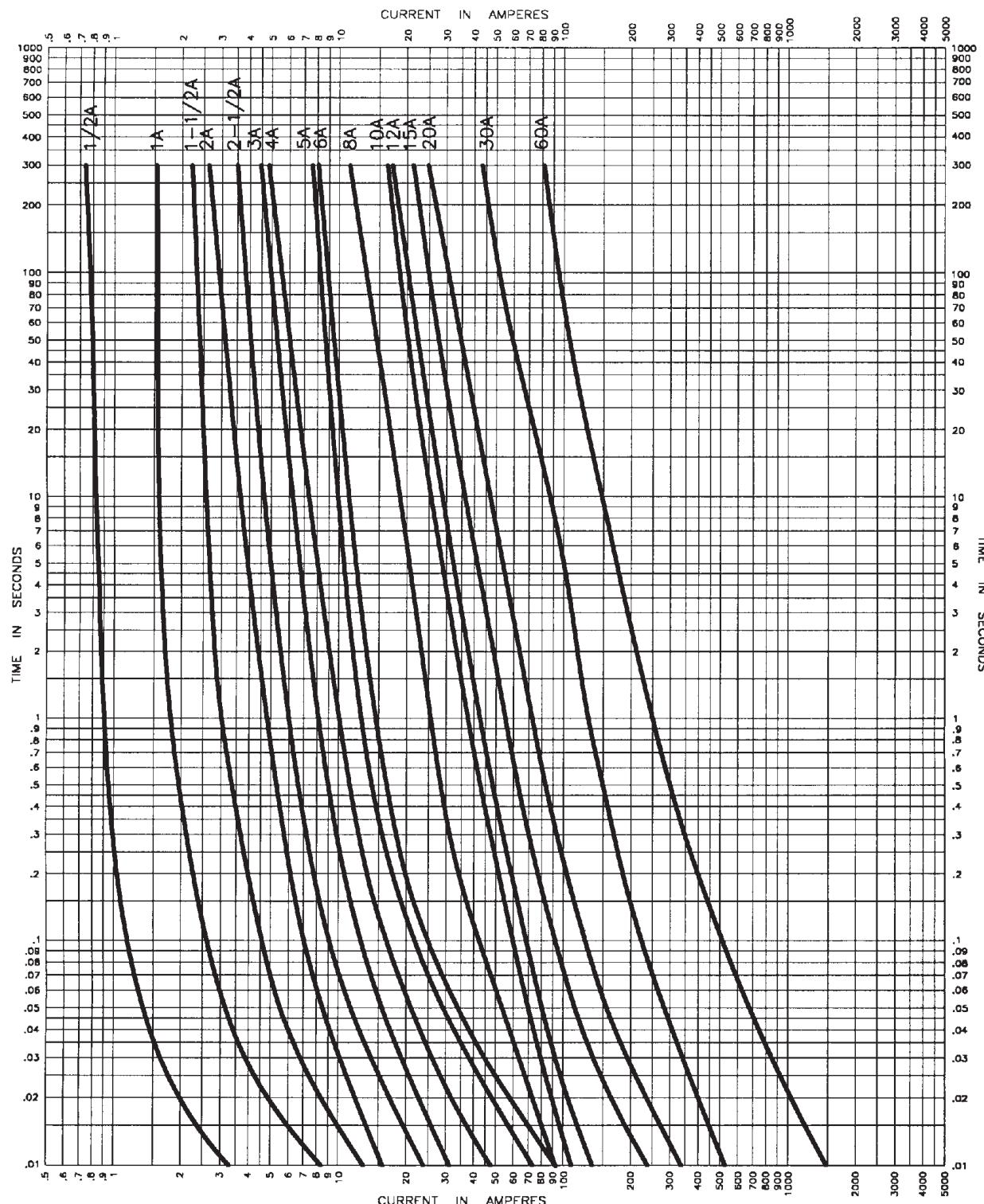
Panel-mount Fuseholders for SC Fuses

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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