

Time-Delay Fuses

Class G — 480 Volt, 1/2 - 60 Amps



CATALOG SYMBOL: SC
 TIME-DELAY
 1/2 TO 60 AMPERES
 480 VOLTS AC (OR LESS)*
 CURRENT LIMITING
 INTERRUPTING RATING—100,000A RMS SYM. AC
 U.L. LISTED, STD. 248-5, CLASS G
 (GUIDE #JDDZ, FILE #E4273)
 CSA CERTIFIED, C22.2 NO. 248.5
 (CLASS #1422-01, FILE #53787)

* 25-60A rated 300 VDC and 10 KAIC

Catalog Numbers

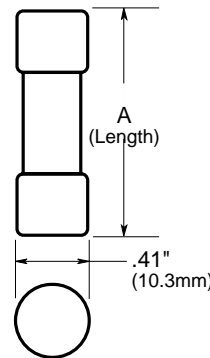
SC-1/2	SC-6	SC-25
SC-1	SC-7	SC-30
SC-1-1/2	SC-8	SC-35
SC-2	SC-9	SC-40
SC-2-1/2	SC-10	SC-45
SC-3	SC-12	SC-50
SC-4	SC-15	SC-60
SC-5	SC-20	-

Carton Quantity and Weight

Catalog Number	Carton Qty.	Weight [†]	
		Lbs.	Kg.
1/2-15	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-1 to -15	1.31"
SC-20	1.41"
SC-25 to -30	1.63"
SC-35 to -60	2.25"

- Compact branch-circuit units with high interrupting rating and current limitation.
- With a 480 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 1/3 the size of the 600 V 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.

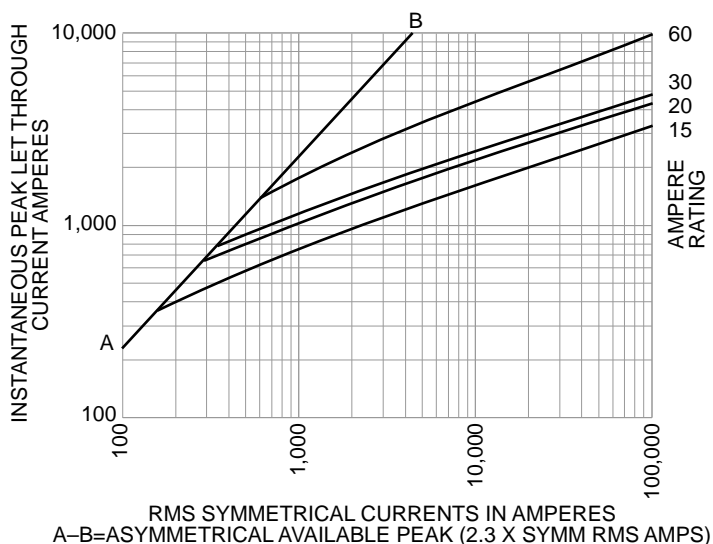
CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 VAC, 75-1500 VDC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

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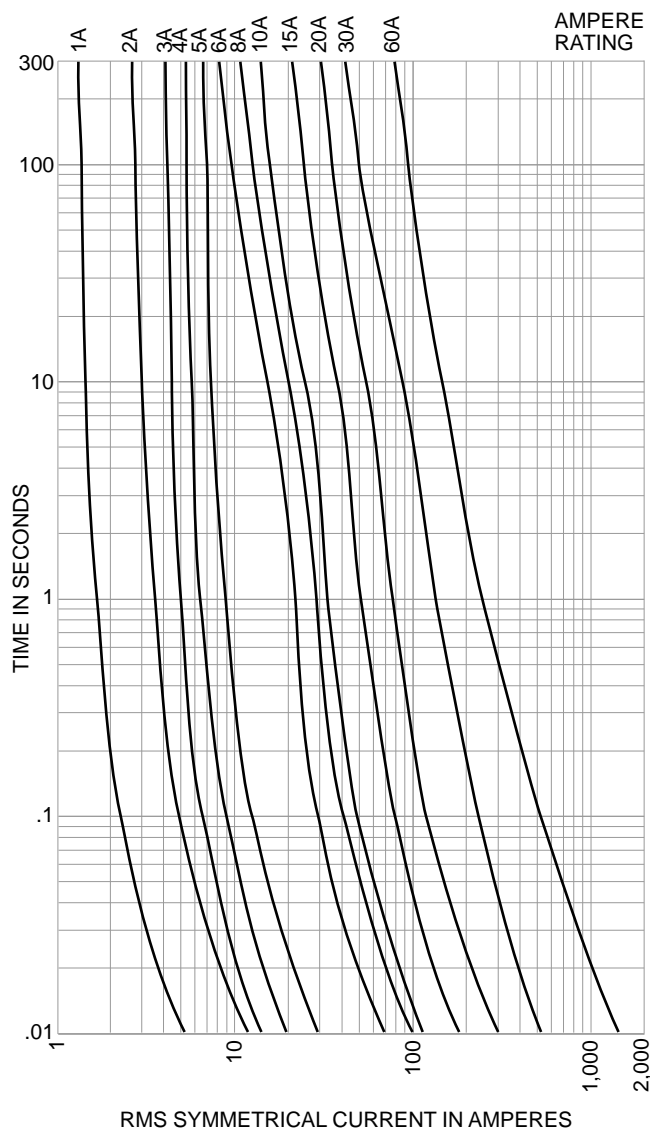
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SC

Peak Let-Through Curves



Time-Current Characteristic Curves—Average Melt



Standard SC Fuseblocks (480V) Catalog Data

Amps	Poles	Terminal Type			
		Screw With Quick Connect	Pressure Plate w/Quick Connect	Box Lug	Box Lug w/Retaining Clip
1	1	BG3011SQ	BG3011PQ	BG3011B	-
	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	-
	2	BG3032S	BG3032P	BG3032B	-
30	3	BG3033S	BG3033P	BG3033B	-
35	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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