## SC

# Time-Delay Fuses Class G - 600 Volt, ½ - 20 Amps 480 Volt, 25 - 60 Amps



Catalog Symbol: SC Current-Limiting

Ampere Rating: 1/2 to 60A (fast-acting),

7 to 60A (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 Information:** 

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

#### **Catalog Numbers**

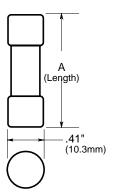
SC-1/2	SC-6	SC-25
SC-1	SC-7	SC-30
SC-1½	SC-8	SC-35
SC-2	SC-9	SC-40
SC-21/2	SC-10	SC-45
SC-3	SC-12	SC-50
SC-4	SC-15	SC-60
SC-5	SC-20	_

### **Carton Quantity and Weight**

Catalog	Carton	Weight†	
Number	Qty.	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)	Α	
SC-1/2 to 15	1.31″	
SC-20	1.41″	
SC-25 to 30	1.62"	
SC-35 to 60	2.25"	

### **General Information:**

- Compact branch-circuit units with high interrupting rating and current-limitation.
- With 600V rating, they can be used in 120/208, 120/240 and 277/480V circuits.
- Length variations relative to case size make the "rejection" type fuses.
- In general, SC fuses are about ½ the size of the 600V NEC fuse type.
- SC fuses with ampere ratings above 6A 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.



## Recommended fuseblocks/fuseholders for Class G fuses

## See Data Sheets listed below

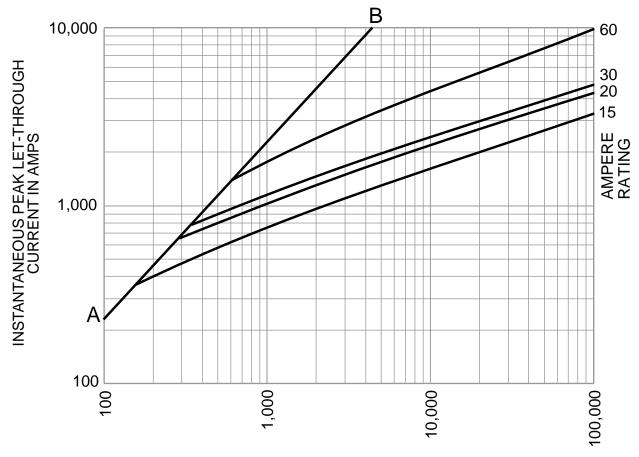
- Open fuseblocks 1106
- In-line fuseholders 1123, 1124

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

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**Peak Let-Through Curves** 

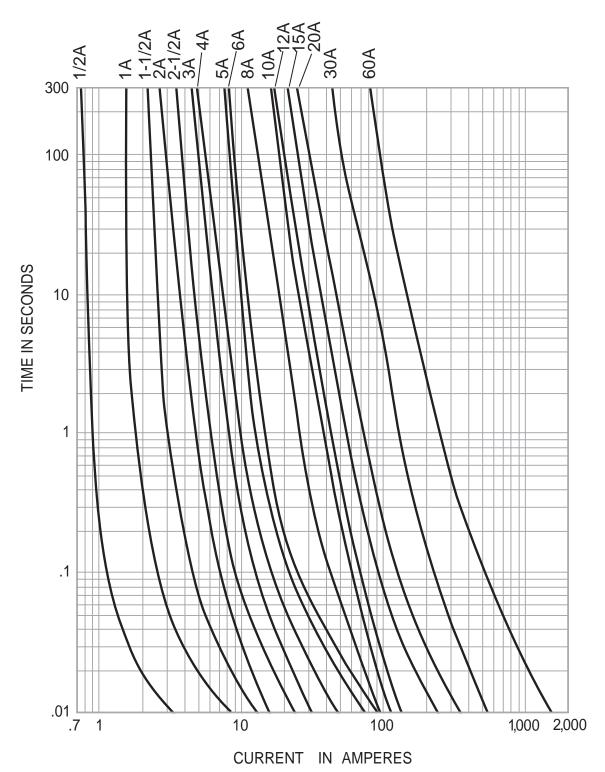


RMS SYMMETRICAL CURRENTS IN AMPERES A-B=ASYMMETRICAL AVAILABLE PEAK (2.3 X SYMM RMS AMPS)

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Time-Current Characteristic Curves- Total Clearing



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