

SEFUSE® battery fuse SC series (12A | 15A | 22A)

Lead-free* surface mount fuses for lithium-ion batteries

SCHOTT SEFUSE® battery fuses are used in the secondary protection circuit of Li-ion batteries to prevent dangerous overcurrent and overcharging and to help prevent fires caused by overheating.

The SC series battery fuses are free of lead (Pb)* and feature a thin, compact design. These attributes make the fuses ideal for devices that require space-saving designs and reduced environmental impact. Applications include battery packs for:

- Notebook PCs
- Wireless speakers
- Cordless and robotic vacuum cleaners
- Rechargeable power and garden tools

Following clear standards



Pb-free* and RoHS compliant

Thin and compact design



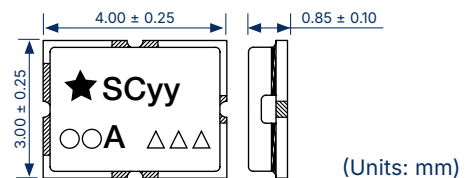
Ideal for space-saving designs

Safe and reliable

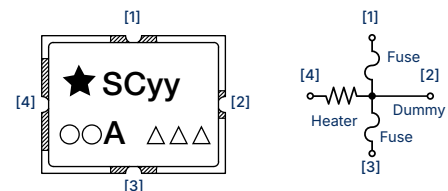


Certified for UL and TÜV safety standards

Dimensions



Wiring diagram



Marking

SC series battery fuse caps include these markings:

- SC: Series name
- yy: Heater resistance code
- 00A : Rated current
- △△△ : Lot number

*SCHOTT uses no lead when producing these battery fuses and follows the RoHS Directive. However, trace amounts (<1,000 ppm) naturally occur in some materials.

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Specifications | Safety standards

Part number	Rated current (A)	Rated voltage (Vdc)	Breaking capacity (A)	Fuse resistance (mΩ)	Applicable series cell number	Applicable voltage range (V)	Heater resistance (Ω)	UL	TÜV
SC0112BJ	12	36	50	2.0 ± 1.0	1	3.0 – 5.0	1.10 ± 20%	E357922	J50663509
SC0212BJ					2	4.8 – 9.6	3.00 ± 15%		
SC0312BJ					3	7.4 – 14.4	7.20 ± 15%		
SC0412BJ					4	10.5 – 19.6	14.40 ± 15%		
SC0512BJ					5	12.5 – 24.0	20.00 ± 15%		
SC0612BJ					6	15.0 – 28.8	30.00 ± 15%		
SC0115BJ	15	36	50	1.5 ± 1.0	1	3.0 – 5.0	1.05 ± 20%	E357922	J50663509
SC0215BJ					2	4.8 – 9.6	2.80 ± 15%		
SC0315BJ					3	7.4 – 14.4	6.80 ± 15%		
SC0415BJ					4	10.5 – 19.6	13.60 ± 15%		
SC0515BJ					5	14.4 – 24.0	25.00 ± 15%		
SC0715BJ					6 – 7	18.8 – 32.9	42.00 ± 15%		
SC0222BJ	22	62	80	0.7 ± 0.5	2	6.0 – 9.6	2.80 ± 15%	E357922	J50663509
SC0322BJ					3	9.0 – 14.4	6.40 ± 15%		
SC0422BJ					4	12.0 – 19.2	11.20 ± 15%		
SC0522BJ					5	15.9 – 24.0	19.80 ± 15%		

Forms of supply

- Packing: Embossed carrier tapes
- Quantity: 5,000 pcs/reel

[schott.com/batteryfuse](https://www.schott.com/batteryfuse)

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