

# SEFUSE<sup>®</sup> battery fuse D6SA (30A)

## Surface mount fuses for lithium ion batteries

SCHOTT SEFUSE<sup>®</sup> D6S battery fuses are used in the secondary protection circuit of li-ion batteries to prevent dangerous circumstances of overcurrent and overcharging, and additionally help prevent fires caused by overheating. D6SA series battery fuses are compatible with up to 14 cells and are suitable for high-current applications, such as power tools and E-bikes.

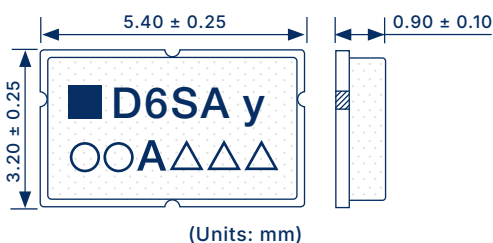
### Applications

- Battery packs for
- Cordless and robotic vacuum cleaners
  - Rechargeable power and garden tools
  - E-bikes

### Advantages

- Suitable for high currents
- Thin and compact design
- RoHS compliant

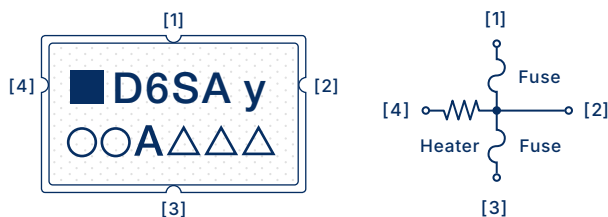
### Dimensions and marking



D6SA series battery fuses have markings on the cap that include the following items:

- D6SA: Series name
- y: Heater resistance code
- 00A: Rated current
- $\Delta\Delta\Delta$ : Lot number

### Wiring diagram



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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
D6SA02-30	30	62	80	0.6 ± 0.5	2	7.8 ~ 9.4	3.20 ± 20%	E357922	J50247451
D6SA03-30					3	9.9 ~ 13.5	6.05 ± 20%		
D6SA04-30					4	13.4 ~ 18.4	11.05 ± 20%		
D6SA05-30					5	17.1 ~ 23.5	18.00 ± 20%		
D6SA06-30					6	20.0 ~ 27.5	24.70 ± 20%		
D6SA07-30					7	23.0 ~ 31.5	32.60 ± 20%		
D6SA09-30					9-10	28.0 ~ 45.0	60.00 ± 15%		
D6SA10-30					9-10	34.2 ~ 46.9	75.00 ± 15%		
D6SA14-30					13-14	49.0 ~ 62.0	154.00 ± 15%		

## Forms of supply

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

[schott.com/batteryfuse](http://schott.com/batteryfuse)

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