

## ST300801 Series

### Description

- DC fuse for EV/HEV
- Stud-mount, optional for other installation
- 800Vdc ideal for EV or HEV application
- Excellent DC performance
- Special designed fuse base for vehicle situation

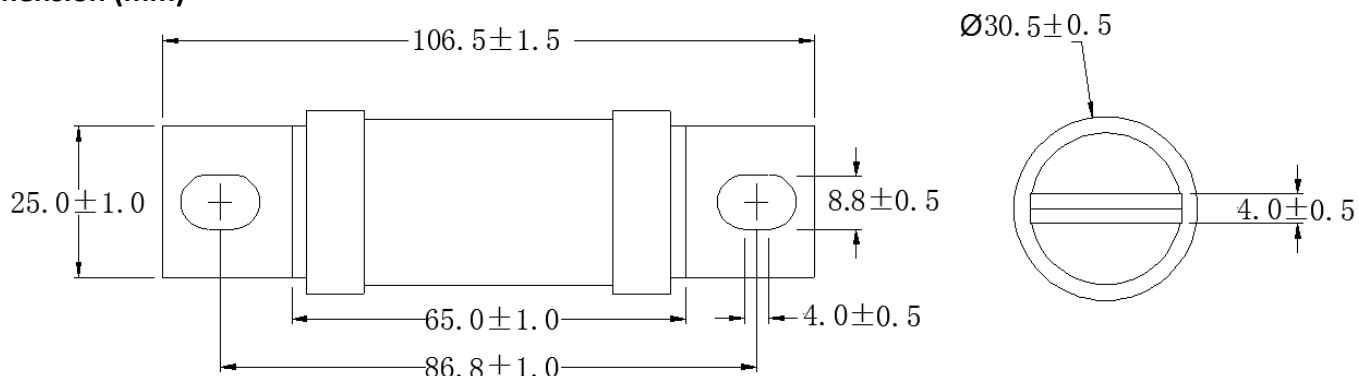
Electrical Characteristics		
% of Ampere Rating (A)	Operating	
	Min	Max
100%	14400	-
200%	1	300
300%	0.2	30
500%	0.1	10

### Specifications

Type	Ordering P/N	Electrical Characteristics		
		Rated Current	Interrupting rating	I <sup>2</sup> t
		(A)		A <sup>2</sup> S
Single	ST300801-60	60	800Vdc/20000A	1630
	ST300801-70	70		1920
	ST300801-80	80		2640
	EST300801-90	90		3180
	ST300801-100	100		3970
	ST300801-125	125		5780
	ST300801-150	150		8850
	ST300801-175	175		12250
	ST300801-200	200		16000

\*Temperature Rise : ≤45K with 50% of rated current

### Dimension (mm)







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### Transportation and Storage

During transportation and storage, should avoid water seepage and mechanical damage

### Conditions for operation in service

Where the following conditions apply, fuses complying with this standard are deemed capable of operating satisfactorily without further qualification.

Normal temperature:  $-5^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ ;

The altitude of the site of installation of the fuses does not exceed 2 000 m above sea level;

The air is clean and its relative humidity does not exceed 50 % at the maximum temperature of  $40^{\circ}\text{C}$ ;

Higher relative humidities are permitted at lower temperatures, e.g. 90 % at  $20^{\circ}\text{C}$ ;

Under these conditions, moderate condensation may occasionally occur due to variation in temperature.

For operation condition other than above, please contact manufacturer.

### Vibration

Meet JASO D622:2006 Section 6.3.3 Vibration durability test requirement, can be use on Electrical Vehicle application

### Temperature Re-Rating Curve

