

Electric vehicle auxiliary fuses

800VDC, 5A ~ 50A

Description 描述

- DC fuse for EV/HEV 用于纯电动汽车和混合动力汽车的直流熔断器
- Stud-mount, optional for other installation 螺栓安装,提供其他安装方式选择
- 800Vdc ideal for EV or HEV application 专为纯电动汽车和混合动力汽车设计的 800V 直流熔断器
- Excellent DC performance 卓越的直流分断能力
- Design refer to JASO D622:2006 设计参考 JASO D622:2006

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

Specifications 电气特性

Type	Ordering P/N	Electrical Characteristics		
类型	订购料号	Rated Current	Interrupting rating	I ² t
		(Amp)		A ² S
单体 Single	ST140801-5	5	800Vdc/10000A	37.5
	ST140801-8	8		96
	ST140801-10	10		150
	ST140801-15	15		225
	ST140801-20	20		600
	ST140801-25	25		850
	ST140801-32	32		1350
	ST140801-40	40		1600
	ST140801-50	50		3500

*Temperature Rise 温升: ≤45K with 60% of rated current 60%额定电流小于等于 45K

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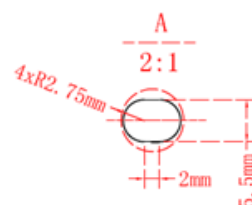
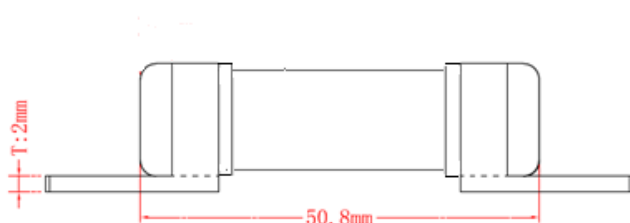
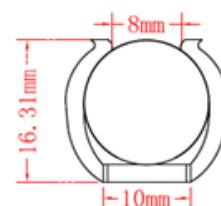
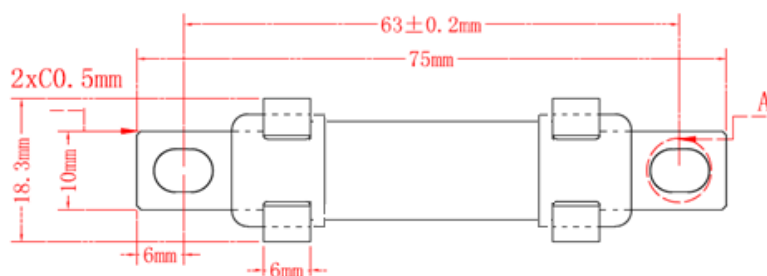
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Dimension (mm)尺寸

Type: 单体 Single



Note: recommend tighten torque: M5 – 4.5+/-1.0 Nm;

注: 推荐紧固扭矩: M5 - 4.5+/-1.0 Nm

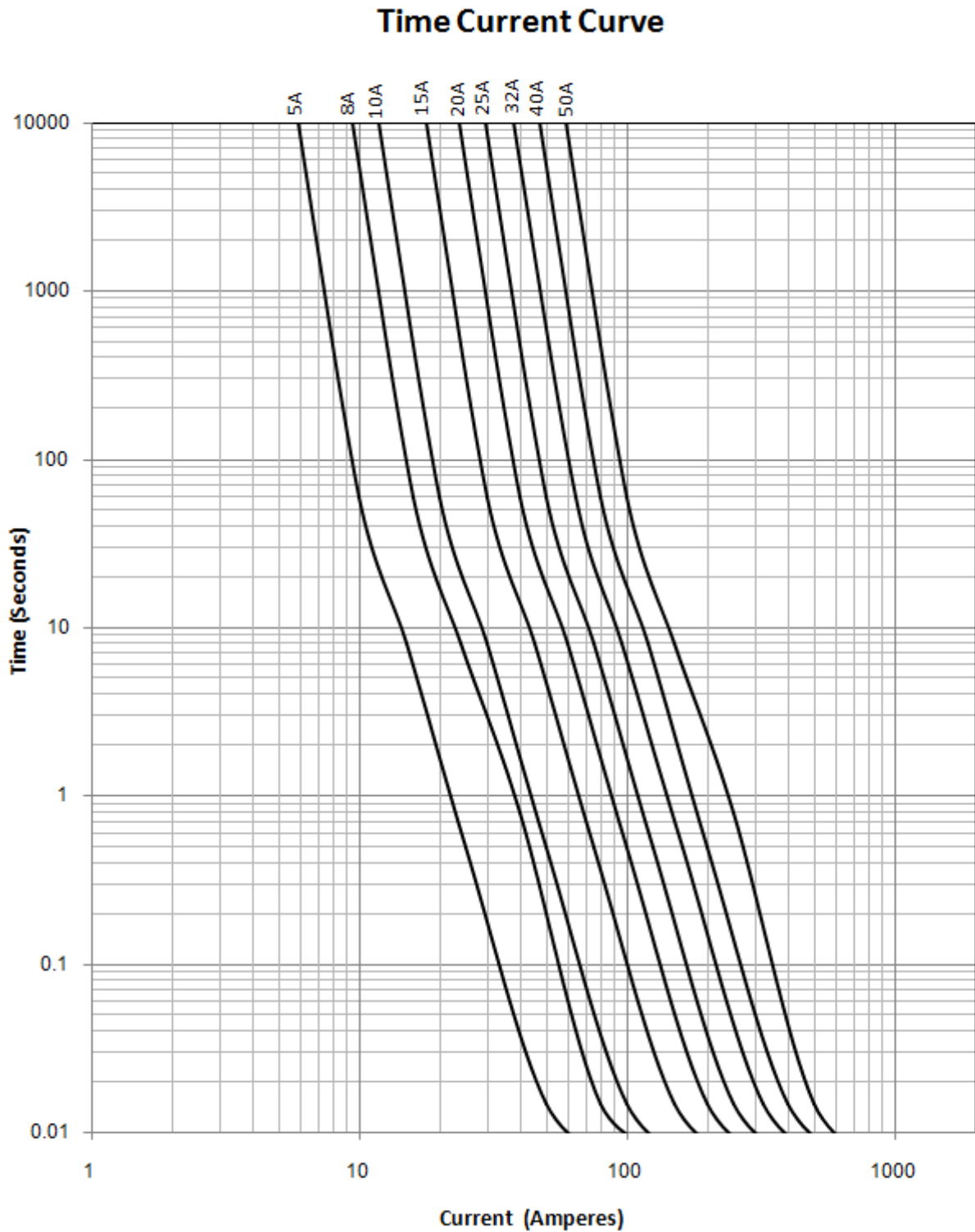
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Time-Current Curve 时间电流曲线



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Transportation and Storage 运输与储存

During transportation and storage, should avoid water seepage and mechanical damage 运输与储存期间,应避免雨雪侵蚀和机械损伤.

Conditions for operation in service 工作条件

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

- Normal temperature: -5°C to 40°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°C ;
- Higher relative humidities are permitted at lower temperatures, e.g. 90 % at 20°C ;
- Under these conditions, moderate condensation may occasionally occur due to variation in temperature.

For operation condition **other than** above, please contact manufacturer.

在以下条件下使用,熔断器认为能正常工作,不需要进一步验证:

- 周围空气温度: -5°C to 40°C ;
- 安装地点的海拔不超过2000米;
- 空气是干净的,其相对湿度在最高温度为 40°C 时不超过50%;
- 在较低温度下可以有较高的相对湿度,例如,在 20°C 时,相对湿度可达90%;
- 在这些条件下,由于温度变化,可能偶然发生中等凝露.

如果使用条件**超出**以上范围,请咨询制造商以确认相应的折减计算.

Vibration 震动条件

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

符合JASO D622:2006章节6.3.3的震动测试要求,可用于一般电动汽车应用.

Temperature Rerating Curve 温度调额曲线

Operating Temperature: -40°C to $+125^{\circ}\text{C}$, with proper rerating factor applied

