

## 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 installtion 螺栓安装,提供其他安装方式选择

700Vdc ideal for EV or HEV application 专为纯电动汽车和混合动力汽车设计的 700V 直流熔断器

Excellent DC performance 卓越的直流分断能力

Special designed fuse base for vehicle situation 提供专为汽车恶劣环境特殊定制的熔断器底座

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

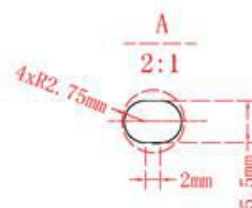
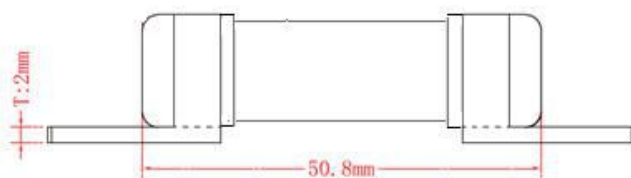
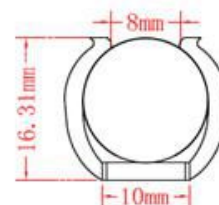
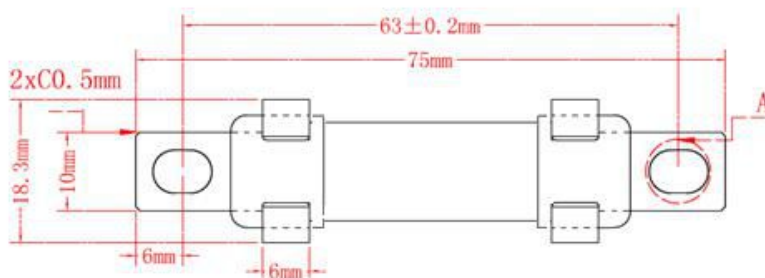
## Specifications 电气特性

Type	Ordering P/N	Electrical Characteristics		
类型	订购料号	Rated Current	Interrupting rating	I <sub>2t</sub>
		(Amp)		A <sub>2</sub> S
单体 Single	EV1451-5	5	700Vdc/10000A	37.5
	EV1451-8	8		96
	EV1451-10	10		150
	EV1451-15	15		330
	EV1451-20	20		400
	EV1451-25	25		625
	EV1451-30	30		830
	EV1451-32	32		1000
	EV1451-40	40		1600
	EV1451-50	50		2500

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

**Dimension (mm)尺寸**

Type: 单体 Single





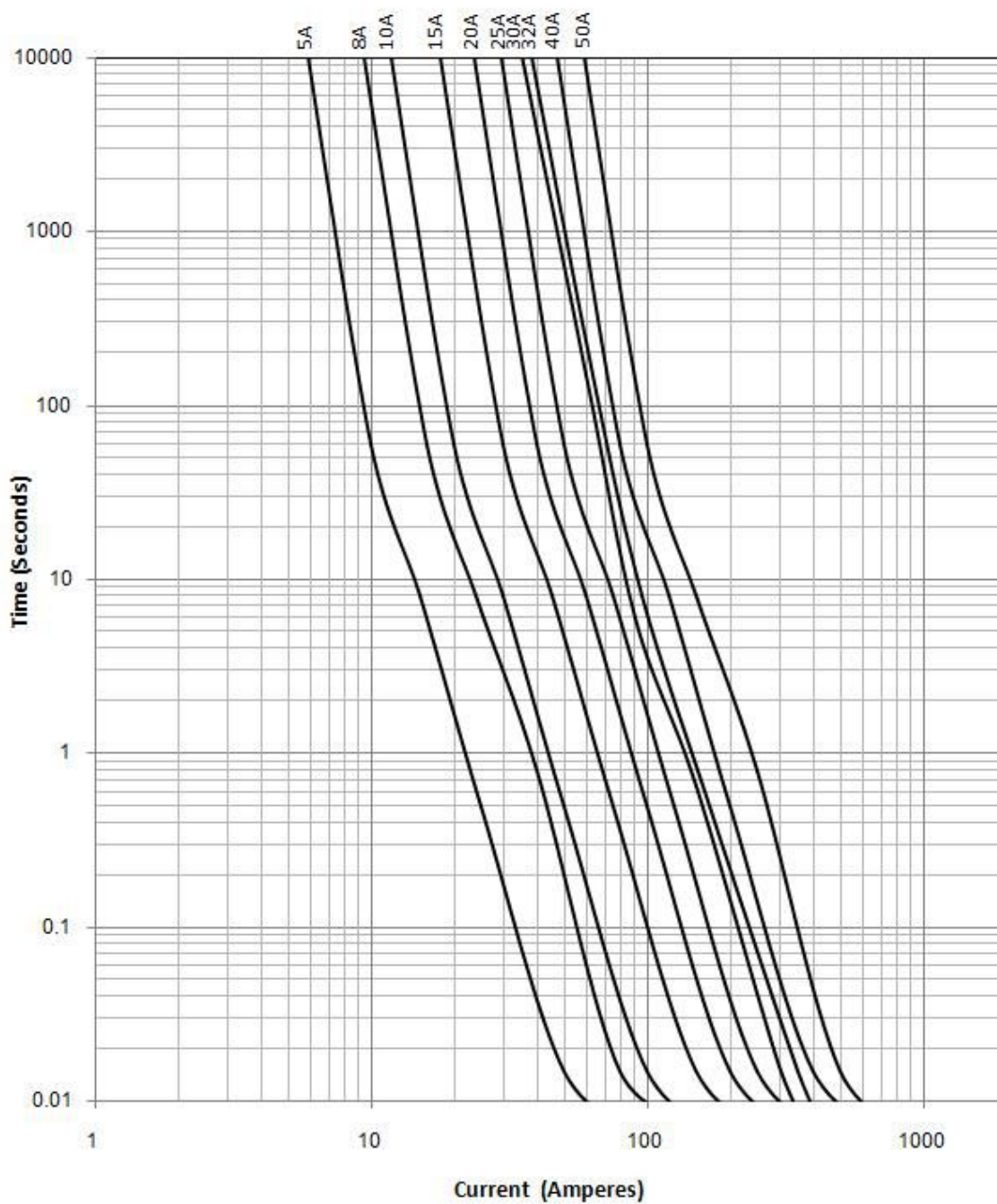
700VDC, DC for EV/HEV

EV1451 Series



Time-Current Curve 时间电流曲线

Time Current Curve



## 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:  $-5^{\circ}\text{C}$  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.

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: $-5^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ ; 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  $40^{\circ}\text{C}$  时不超过 50%;在较低温度下可以有较高的相对湿度,例如,在  $20^{\circ}\text{C}$  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

