

# 500VDC, DC Fuse for EV/HEV

## A372103-XXX Series



### 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 螺栓安装
- 500Vdc ideal for EV or HEV application 专为纯电动汽车和混合动力汽车设计的 500V 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

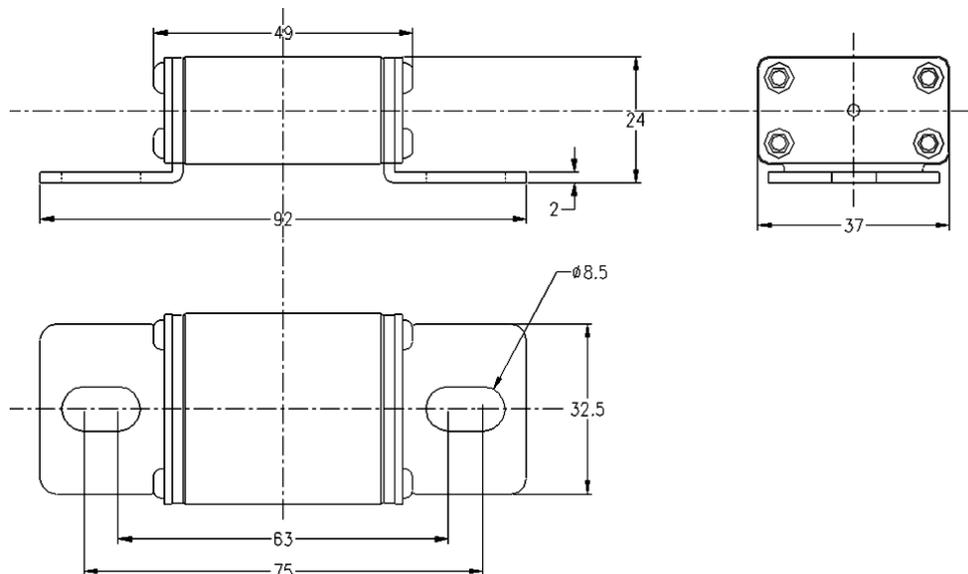
Electrical Characteristics		
% of Ampere Rating (A)	Operating times (s)	
	Min.	Max.
200%	1	300
300%	0.2	30
500%	0.1	10

### Specifications 电气特性

Type	Ordering P/N	Electrical Characteristics		
类型	订购料号	Rated Current	Rated Voltage	Interrupting rating
		A	VDC	
单体 Single	A372103-150	150	500	500VDC/50000A L/R: 2ms
	A372103-200	200		
	A372103-250	250		
	A372103-300	300		
	A372103-350	350		
	A372103-400	400		

\*Temperature Rise 温升:  $\leq 50K$  with 50% of rated current 50%额定电流小于等于 50K

### Dimension (mm)尺寸

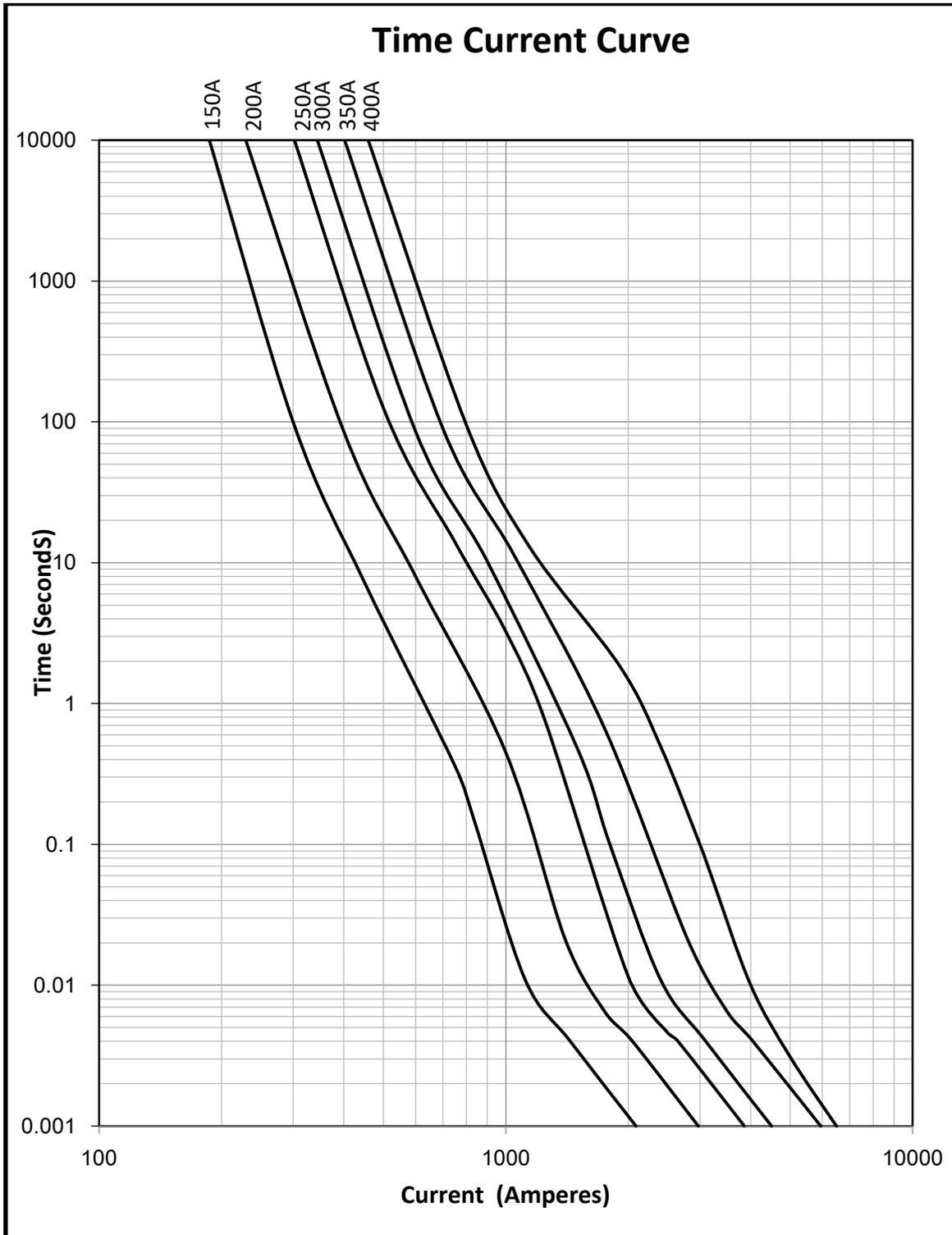


Note: 推荐安装扭矩: 12+/-1Nm (M8)

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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:  $-5^{\circ}\text{C}$  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 Re-Rating Curve 温度调额曲线

Operating Temperature:  $-40^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$ , with proper rerating factor applied

