

Fast Acting Fuse for DC Application

1000VDC, 250A ~ 600A

ST381001 Series

Description 描述

- Fast Acting fuse for DC Application (mainly for EV/ESS) 用于直流应用的快速熔断器(主要用于 EV 和储能)
- Stud-mount, optional for other installation 螺栓安装,提供其他安装方式选择
- Excellent DC performance 卓越的直流分断能力
- Comply RoHS directive 符合 RoHS 指令
- Design refer to JASO D622:2006 设计参考 JASO D622:2006

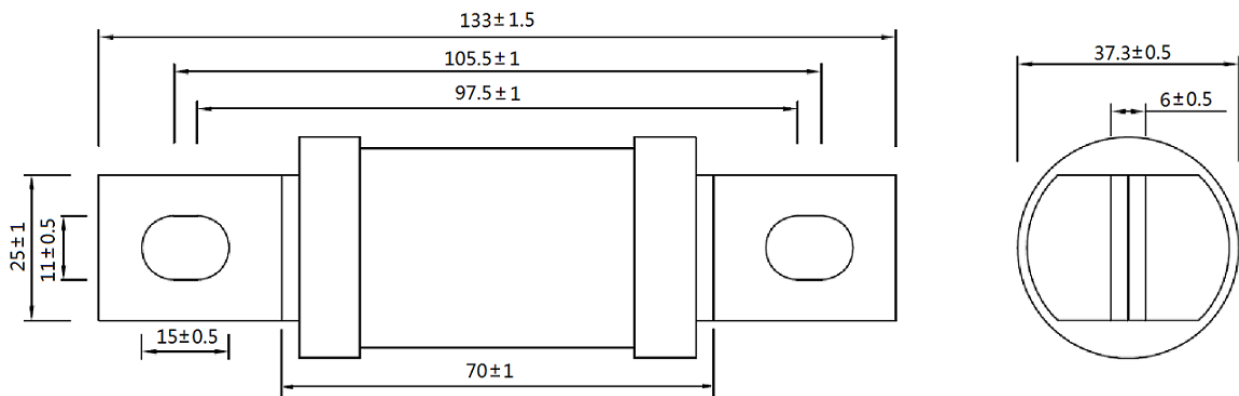
Specifications 电气特性

Type 类型	Ordering P/N 订购料号	Electrical Characteristics						
		Rated Current 额定电流(A)	Rated Voltage 额定电压(DC)	Breaking Capacity 分断能力	Pre-arcing I ² t 弧前 I ² t (A ² sec)	1000V Total I ² t 总 I ² t (A ² sec)	0.5In Power loss 额定功耗(W)	0.8In Power loss 额定功耗(W)
Single 单体	ST381001-250	250	1000V	50KA	16500	52000	9	33
	ST381001-315	315			24000	77000	12	36
	ST381001-350	350			32000	100000	14	45
Twins 双拼	ST381001-400	400			55000	140000	15	48
	ST381001-500	500			75000	190000	17	60
	ST381001-600	600			130000	320000	21	68

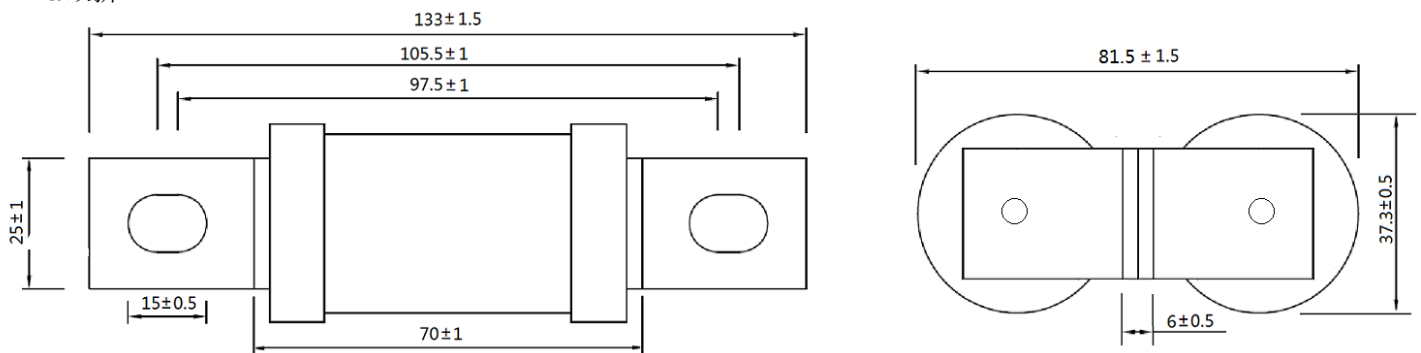
* 0.5In Temperature Rise <=50K 0.5 倍载流温升不大于 50K

Dimension (mm)尺寸

单体/Single



Twins/双拼



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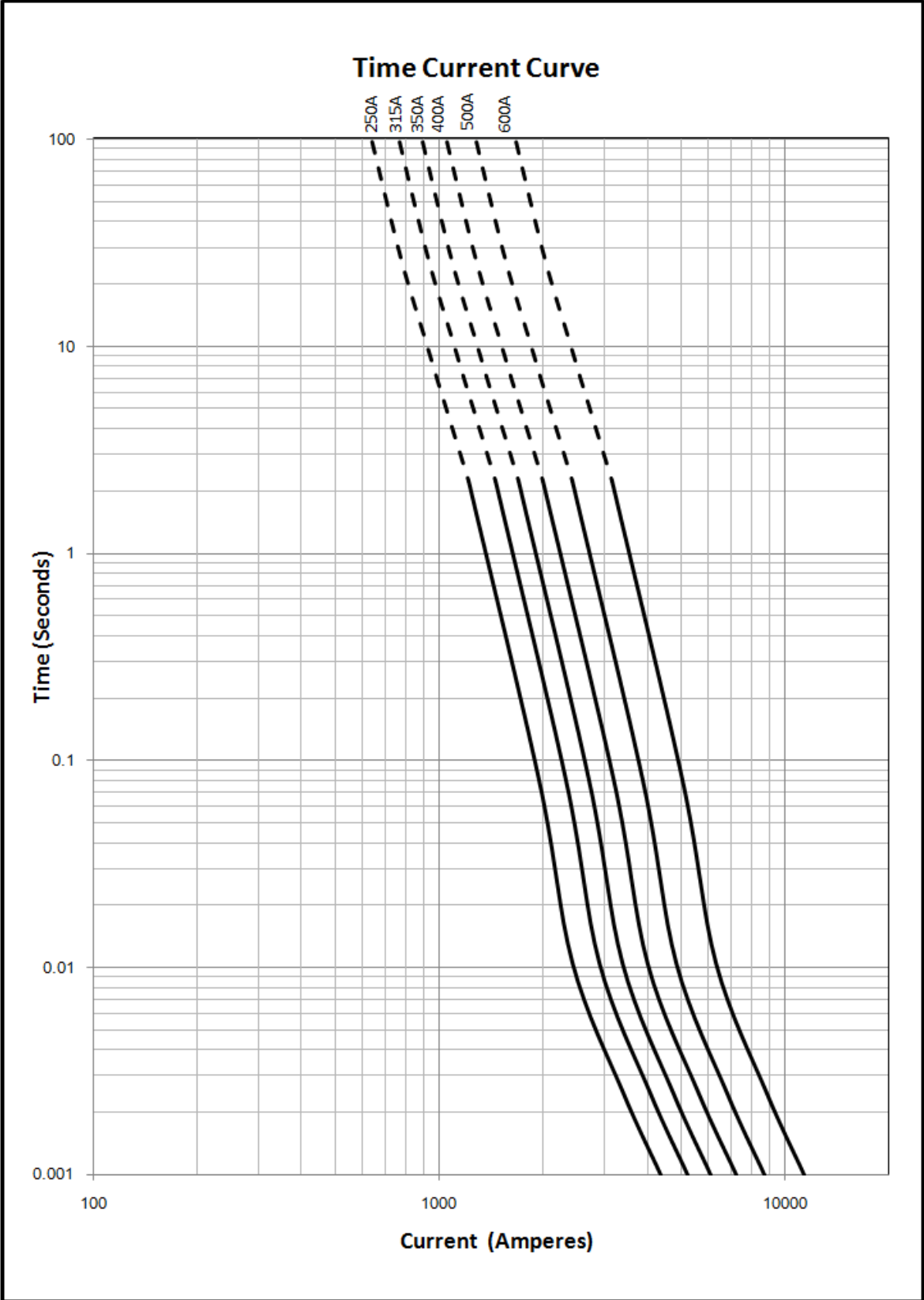
1000VDC, 250A ~ 600A

Rev.: D



ST381001 Series

Tim-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

