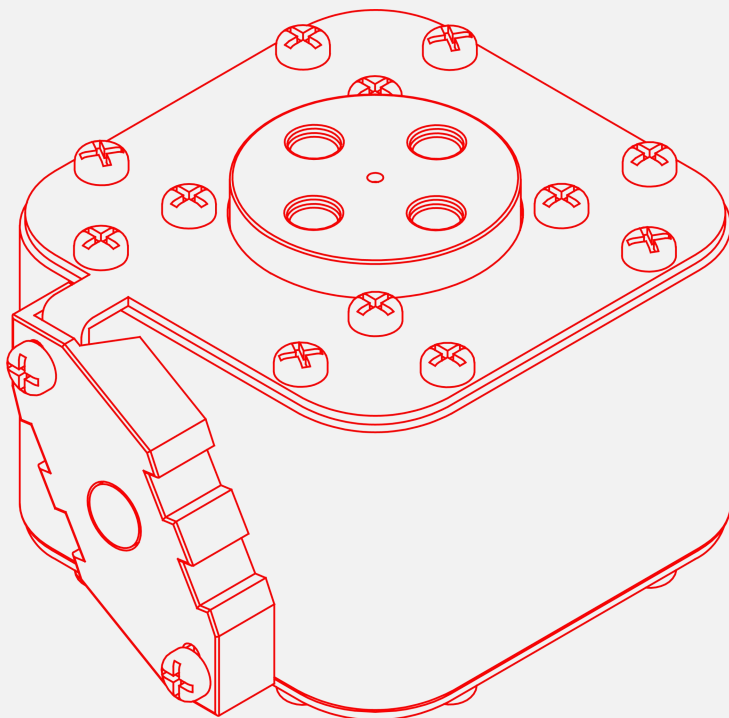




K Series

概述 Overview

本系列半导体器件保护用熔断器，产品符合GB/T13539.4、IEC60269-4、UL248等标准,交直流50Hz、额定电压AC/DC690-2500V、额定电流160-5000A分断能力AC/DC50-250kA，使用类别为aR，适用于配电、轨道交通、储能、风电、充电桩、电驱动系统、功率变换系统、变频器等成套器件的短路及后备保护。

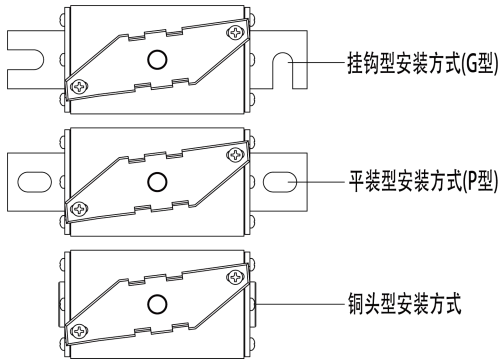
This series of semiconductor device protection fuses, products in line with GB/T13539.4, IEC60269-4, UL248 and other standards, AC/DC 50Hz, rated voltage AC/DC690-2500V, rated current 160-5000A breaking capacity AC/DC 50-250kA, the use category is aR, Suitable for short-circuit and backup protection of power distribution, rail transit, energy storage, wind power, charging pile, electric drive system, power conversion system, frequency converter and other complete sets of devices.

特性 Characteristics

熔断器属易耗件，由熔管、熔体、填料等组成。熔体封装于熔管内，熔管中充填高纯度石英砂作为灭弧介质，熔体两端采用点焊与端帽组成封闭管式结构。熔断体具有外型体积小、耐高温、额定容量大、分断能力高、分断速度快、限流特性显著、可直接利用螺栓将本体安装在汇流母排上等特点。

The fuse is a consumable part, composed of fuse tube, melt, filler, etc. The melt is enclosed in the tube, the flash tube is filled with high purity quartz sand as the extinguishing medium, and the two ends of the melt are spot-welded and the end cap is used to form a closed tube structure. The fuse body has the characteristics of small Specification, high temperature resistance, large rated capacity, high breaking capacity, fast breaking speed, remarkable current limiting characteristics, and can be directly installed on the bus by bolts.

安装方式 Installation



订货型号示例 Order code example

企业代码 enterprise code	系列 series	额定电流 Rated current	额定电压 Rated voltage	规格mm Specification
LC	K	315A	12V=AC1250V 15V=DC1500V 20V=DC2000V 6V=AC690/DC690V 10V=AC1250/DC1000V	75L

技术参数 Parameters

规格 Specification	型号 Model	额定电流 Rated current	额定电压 Rated voltage	保护类别 Protection category	螺栓 Bolt	扭矩N.m Torque
75x93mm	LCK315A10V75L	315A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK350A10V75L	350A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK400A10V75L	400A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK450A10V75L	450A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK500A10V75L	500A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK550A10V75L	550A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK630A10V75L	630A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK700A10V75L	700A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK800A10V75L	800A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK900A10V75L	900A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK1000A10V75L	1000A	AC1250/DC1000V	aR	M12	38±2N.m
	LCK1200A10V75L	1200A	AC1250/DC1000V	aR	M12	38±2N.m

➤ 技术参数 Parameters

规格 Specification	型号 Model	额定电流 Rated current	额定电压 Rated voltage	保护类别 Protection category	螺栓 Bolt	扭矩N.m Torque
 105x67mm	LCK630A6V105L	630A	AC690V	aR	M12	38±2N.m
	LCK700A6V105L	700A	AC690V	aR	M12	38±2N.m
	LCK800A6V105L	800A	AC690V	aR	M12	38±2N.m
	LCK900A6V105L	900A	AC690V	aR	M12	38±2N.m
	LCK1000A6V105L	1000A	AC690V	aR	M12	38±2N.m
	LCK1100A6V105L	1100A	AC690V	aR	M12	38±2N.m
	LCK1250A6V105L	1250A	AC690V	aR	M12	38±2N.m
	LCK1350A6V105L	1350A	AC690V	aR	M12	38±2N.m
	LCK1500A6V105L	1500A	AC690V	aR	M12	38±2N.m
	LCK1600A6V105L	1600A	AC690V	aR	M12	38±2N.m
	LCK1800A6V105L	1800A	AC690V	aR	M12	38±2N.m
 105x80mm	LCK630A6V80H	630A	DC690V	aR	M12	38±2N.m
	LCK800A6V80H	800A	DC690V	aR	M12	38±2N.m
	LCK1000A6V80H	1000A	DC690V	aR	M12	38±2N.m
	LCK1250A6V80H	1250A	DC690V	aR	M12	38±2N.m
	LCK1600A6V80H	1600A	DC690V	aR	M12	38±2N.m
 105x90mm	LCK630A10V105L	630A	AC1000V	aR	M12	38±2N.m
	LCK800A10V105L	800A	AC1000V	aR	M12	38±2N.m
	LCK1000A10V105L	1000A	AC1000V	aR	M12	38±2N.m
	LCK1250A10V105L	1250A	AC1000V	aR	M12	38±2N.m
	LCK1500A10V105L	1500A	AC1000V	aR	M12	38±2N.m
 105x100mm	LCK630A12V105L	630A	AC1250V	aR	M12	38±2N.m
	LCK800A12V105L	800A	AC1250V	aR	M12	38±2N.m
	LCK1000A12V105L	1000A	AC1250V	aR	M12	38±2N.m
	LCK1250A12V105L	1250A	AC1250V	aR	M12	38±2N.m
	LCK1600A12V105L	1600A	AC1250V	aR	M12	38±2N.m
 74x145mm	LCK315A20V74L	315A	DC2000	aR	M12	42±1N.m
	LCK400A20V74L	400A	DC2000	aR	M12	42±1N.m
	LCK450A20V74L	450A	DC2000	aR	M12	42±1N.m
	LCK500A20V74L	500A	DC2000	aR	M12	42±1N.m
	LCK630A20V74L	630A	DC2000	aR	M12	42±1N.m

➤ 技术参数 Parameters

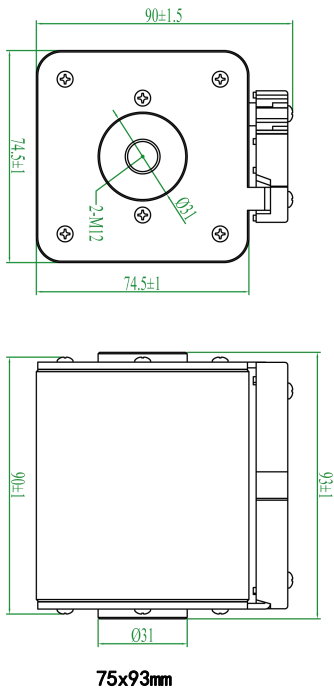
规格 Specification	型号 Model	额定电流 Rated current	额定电压 Rated voltage	保护类别 Protection category	螺栓 Bolt	扭矩N.m Torque
 60x123mm	LCK160A15V60L	160A	DC1500V	aR	M10	21±1N.m
	LCK200A15V60L	200A	DC1500V	aR	M10	21±1N.m
	LCK250A15V60L	250A	DC1500V	aR	M10	21±1N.m
	LCK315A15V60L	315A	DC1500V	aR	M10	21±1N.m
	LCK350A15V60L	350A	DC1500V	aR	M10	21±1N.m
	LCK400A15V60L	400A	DC1500V	aR	M10	21±1N.m
 75x125mm	LCK630A15V75L	630A	DC1500V	aR	M12	38±2N.m
	LCK500A15V75L	500A	DC1500V	aR	M12	38±2N.m
	LCK450A15V75L	450A	DC1500V	aR	M12	38±2N.m
 105x150mm	LCK1000A15V105L	1000A	DC1500V	aR	M12	42±1N.m
	LCK1250A15V105L	1250A	DC1500V	aR	M12	42±1N.m
	LCK1600A15V105L	1600A	DC1500V	aR	M12	42±1N.m
 160x158mm	LCK1250A15V160L	1250A	DC1500V	aR	M12	42±1N.m
	LCK1350A15V160L	1350A	DC1500V	aR	M12	42±1N.m
	LCK1500A15V160L	1500A	DC1500V	aR	M12	42±1N.m
	LCK1800A15V160L	1800A	DC1500V	aR	M12	42±1N.m
	LCK2000A15V160L	2000A	DC1500V	aR	M12	42±1N.m
	LCK2500A15V160L	2500A	DC1500V	aR	M12	42±1N.m
	LCK3000A15V160L	3000A	DC1500V	aR	M12	42±1N.m

➤ 工作环境与储存Operating ambient

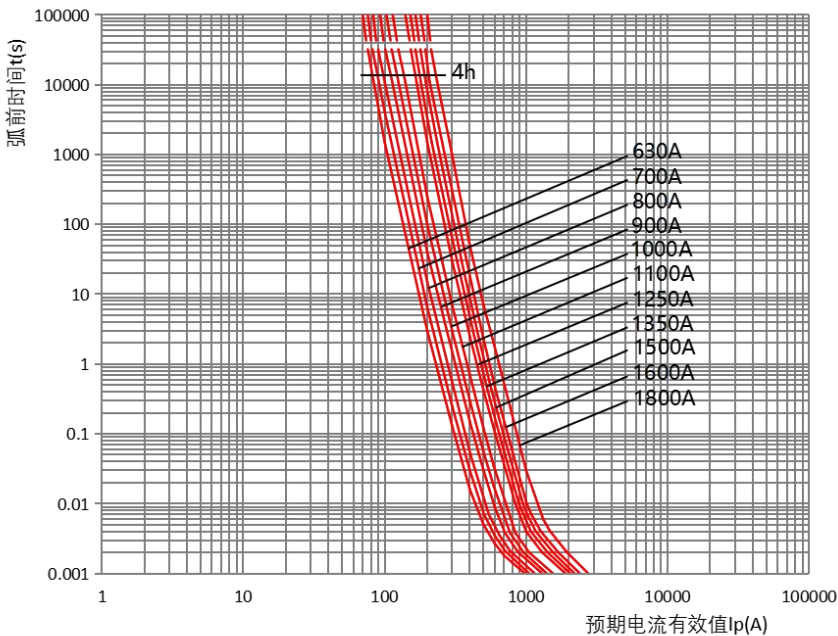
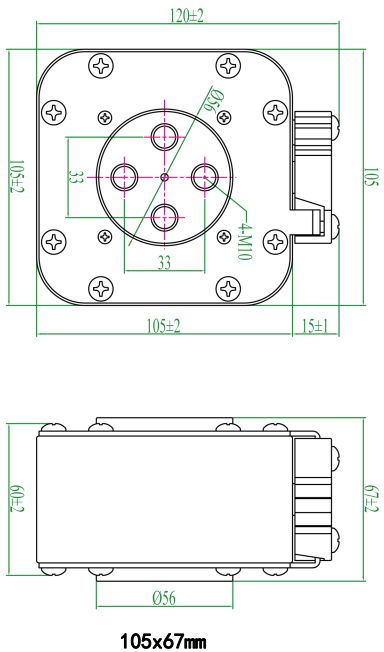
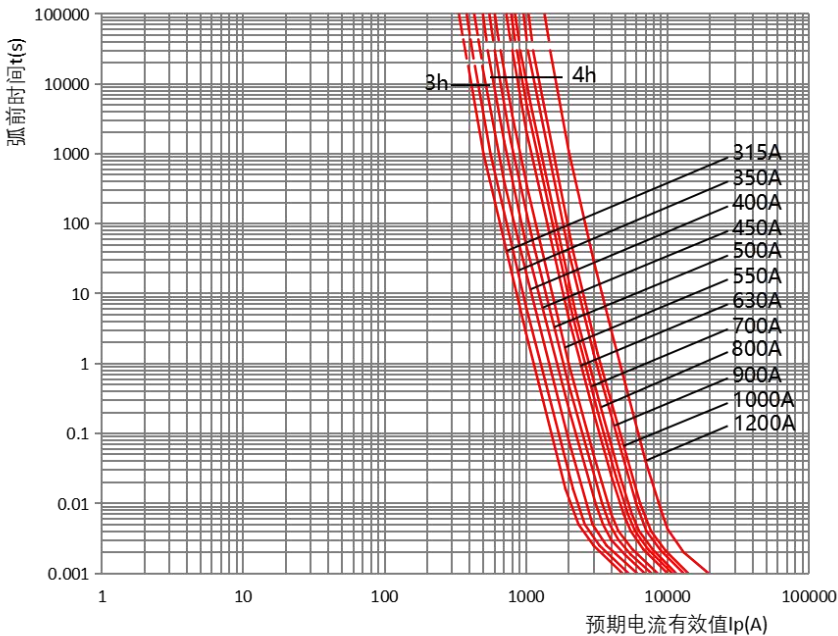
- 正常工作条件: -5°C~40°C
- 允许使用条件: -40°C~120°C.
- 正常工作条件: 海拔不超过2000m
- 允许使用条件: 海拔不超过4500m
- 运输过程中应避免雨雪侵袭和机械损伤
- 产品储存温度: -40°C~70°C。
在40°C时相对湿度不大于70%
在30°C时相对湿度不大于80%
在20°C时相对湿度不大于90%
- Normal working conditions: -5°C~40°C
- Allowable use conditions: -40°C~120°C
- Normal working conditions: The altitude does not exceed 2000m
- Permitted use conditions: altitude not exceeding 4500m
- Rain, snow and mechanical damage should be avoided during transportation
- Product storage temperature: -40°C~70°C。
The relative humidity is not more than 70% at 40°C
The relative humidity is not more than 80% at 30°C
The relative humidity is not more than 90% at 20°C

➤ 尺寸 Size / 弧前时间-预期电流曲线 Pre-arc time-expected current curve

尺寸
Size

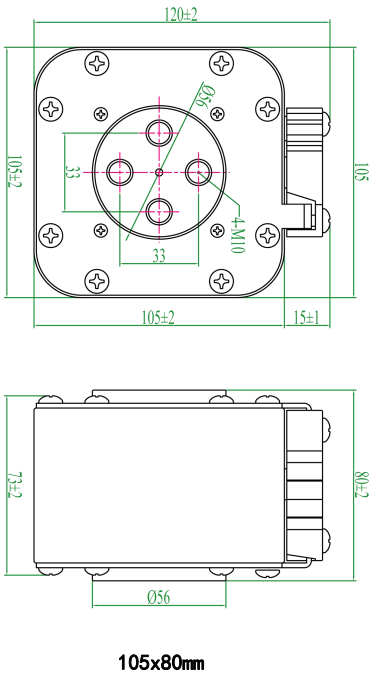


弧前时间-预期电流曲线
Pre-arc time-expected current curve

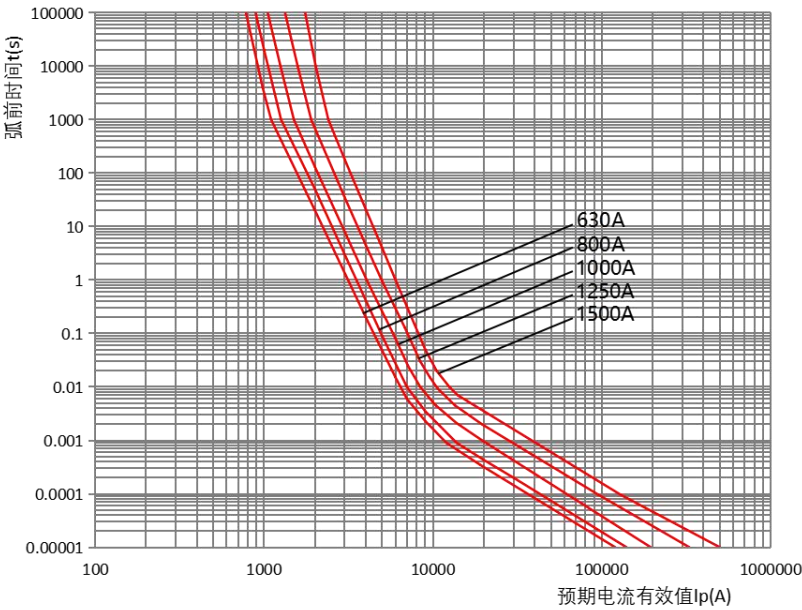
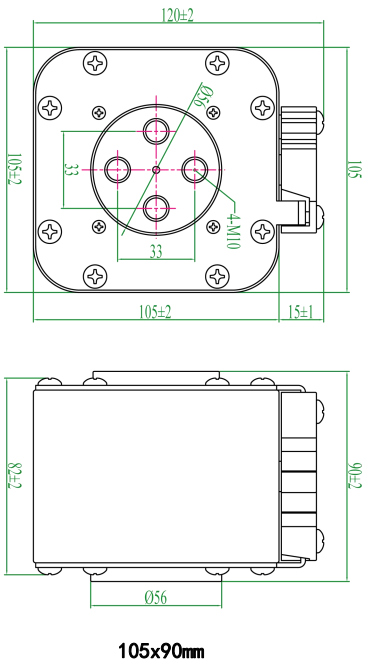
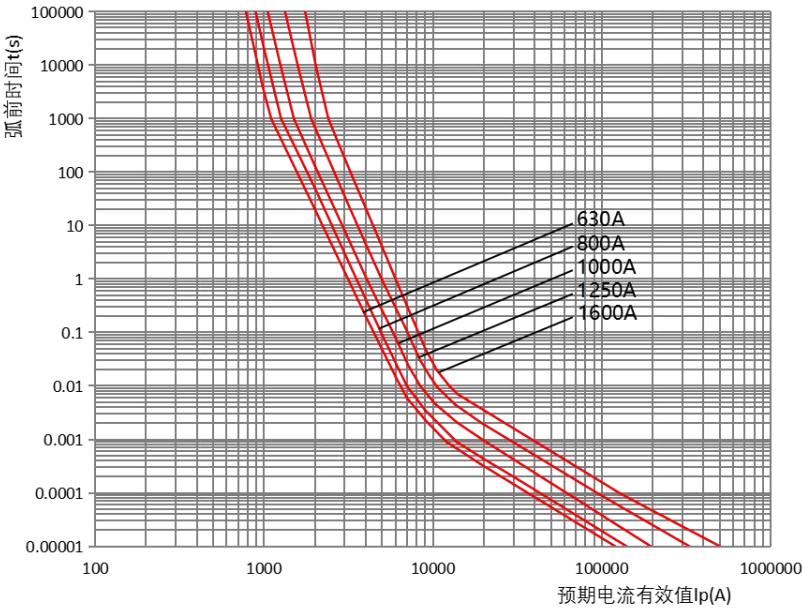


➤ 尺寸 Size / 弧前时间-预期电流曲线 Pre-arc time-expected current curve

尺寸
Size

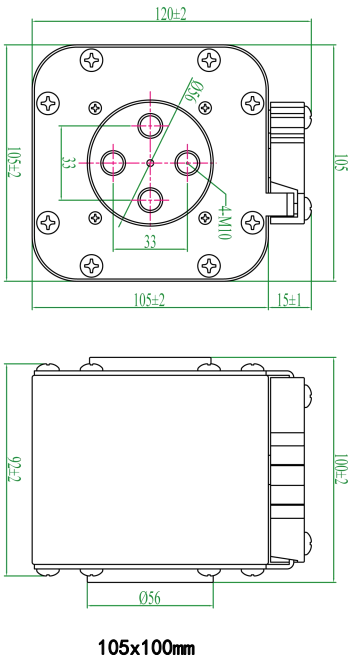


弧前时间-预期电流曲线
Pre-arc time-expected current curve

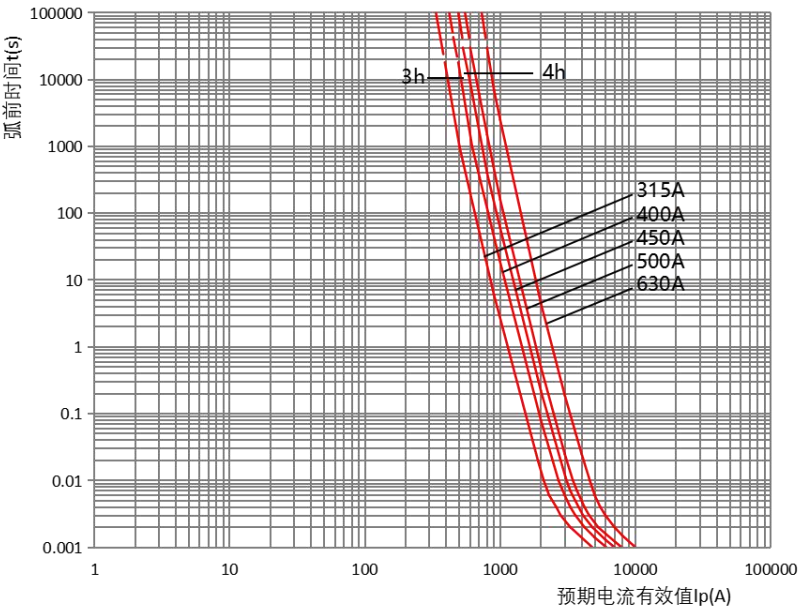
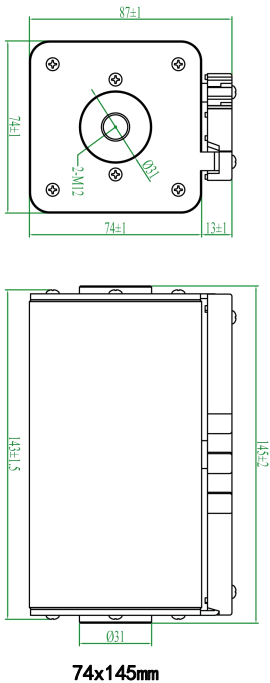
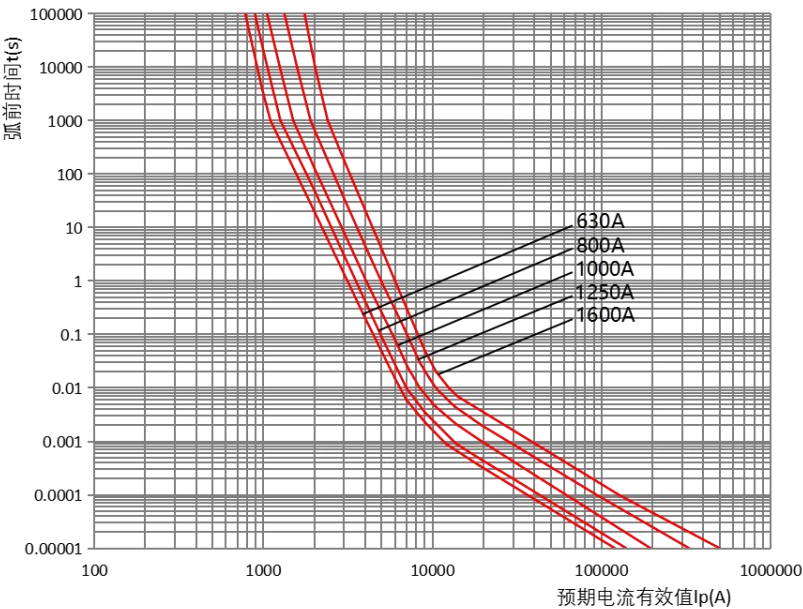


➤ 尺寸 Size / 弧前时间-预期电流曲线 Pre-arc time-expected current curve

尺寸
Size

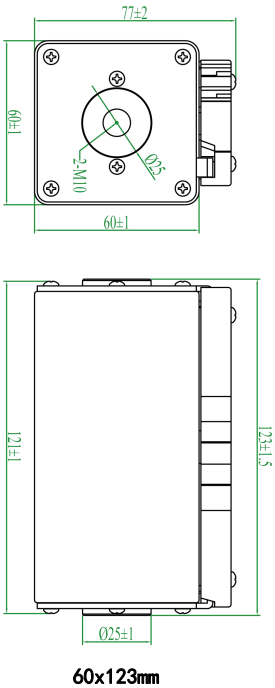


弧前时间-预期电流曲线
Pre-arc time-expected current curve

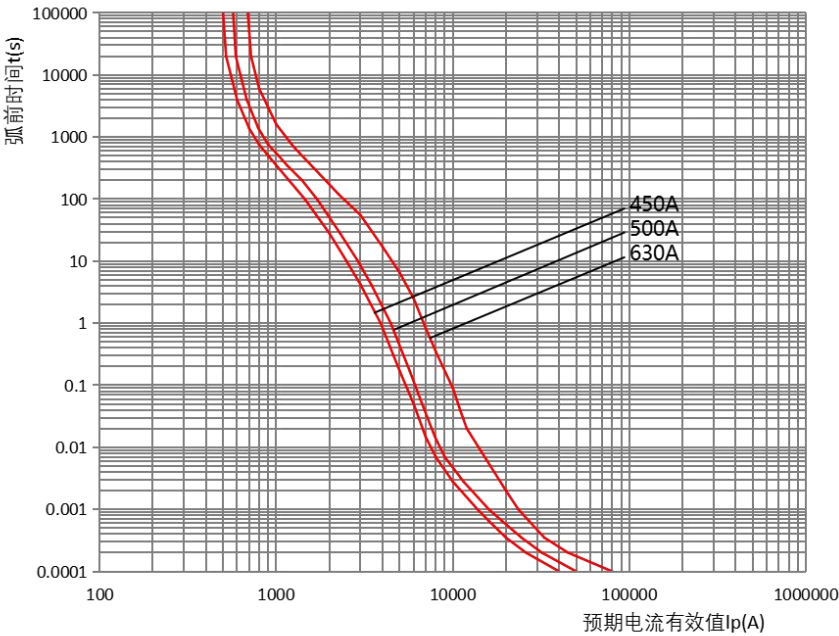
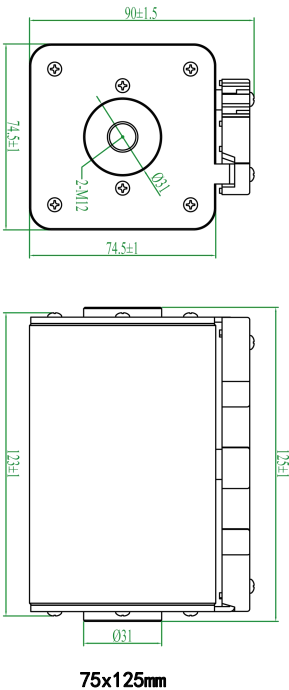
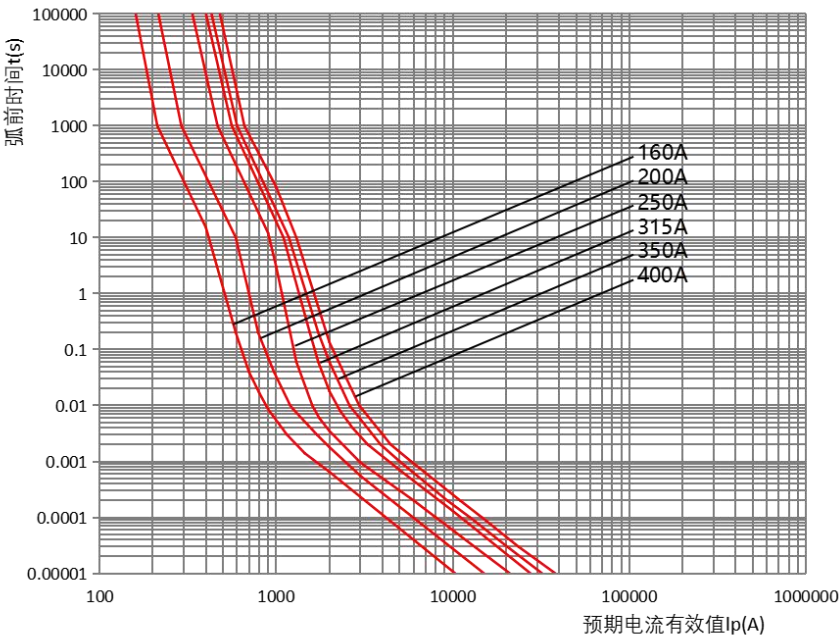


➤ 尺寸 Size / 弧前时间-预期电流曲线 Pre-arc time-expected current curve

尺寸
Size

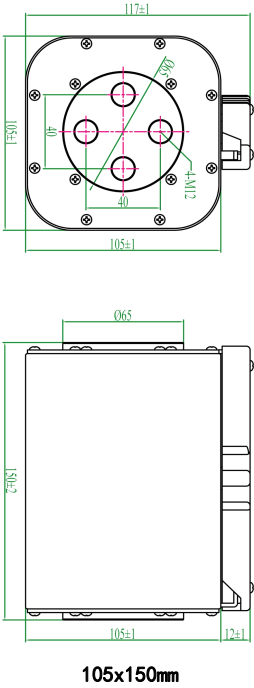


弧前时间-预期电流曲线
Pre-arc time-expected current curve



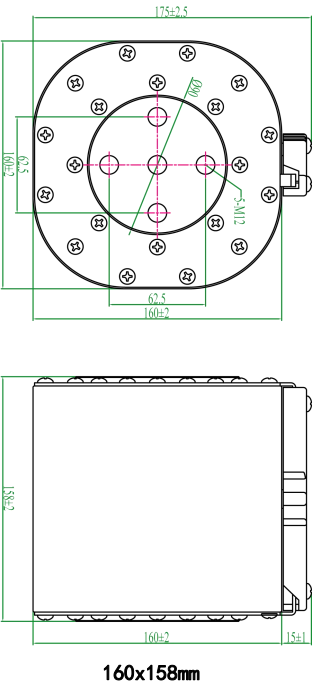
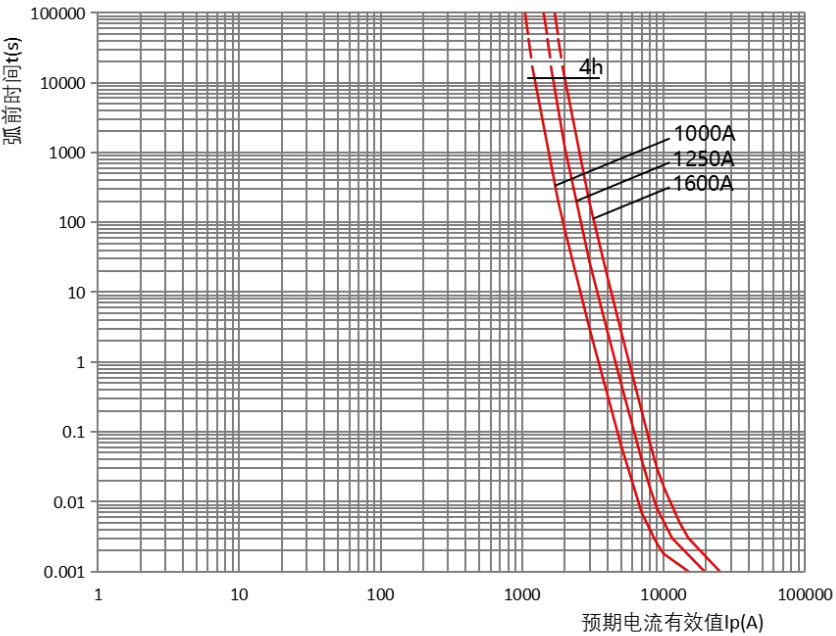
➤ 尺寸 Size / 弧前时间-预期电流曲线 Pre-arc time-expected current curve

尺寸
Size

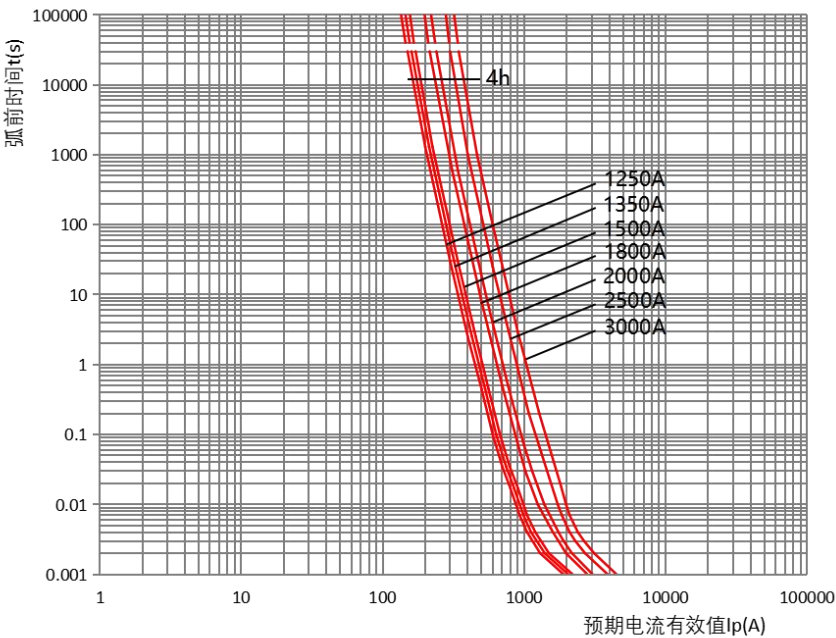


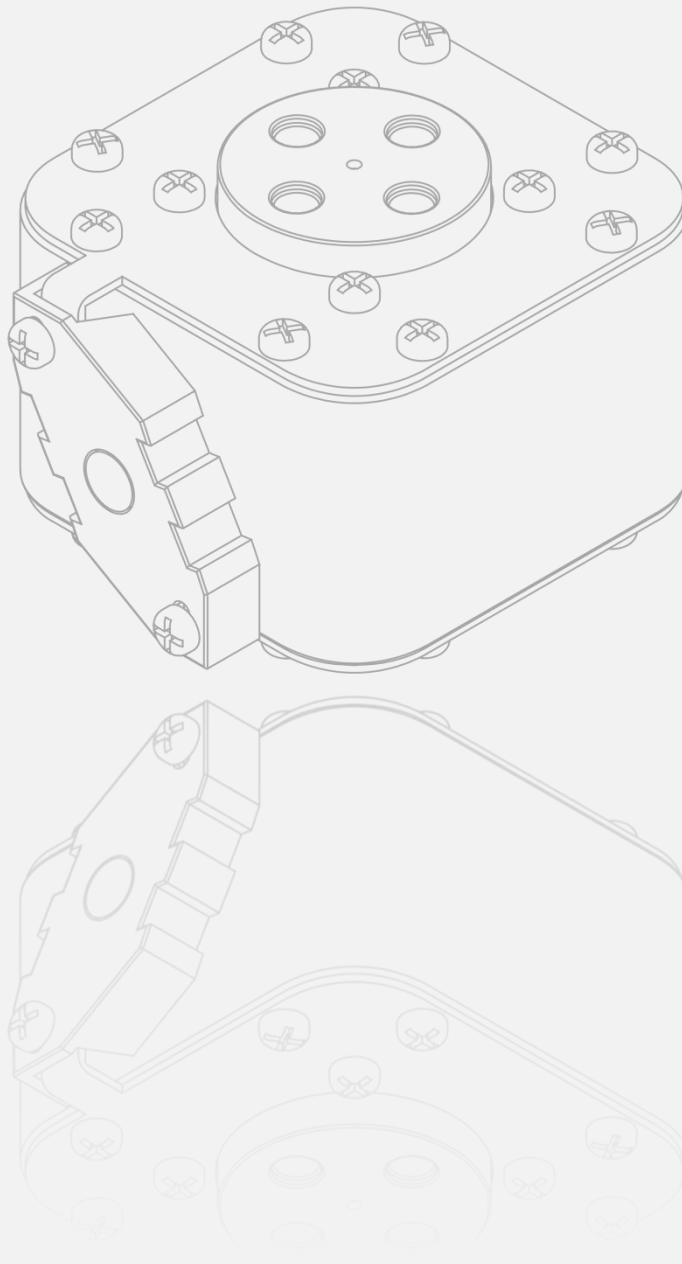
105x150mm

弧前时间-预期电流曲线
Pre-arc time-expected current curve



160x158mm





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