

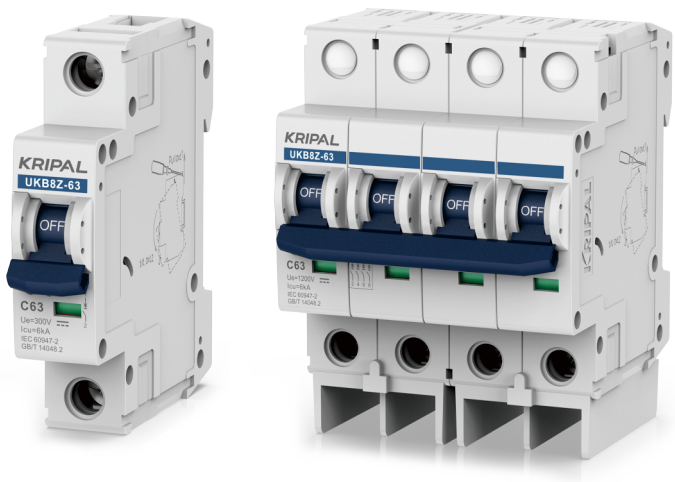
UKB8Z DC Miniature Circuit Breaker

UKB8Z 光伏直流断路器

Application

用途

短路保护	Short circuit protection
过载保护	Overload protection
控制	Control
隔离	Isolation



Application

用途

适用于光伏直流系统中，对光伏直流线路的过载与短路起保护作用，还可用于通讯、电力、机车等行业。同时也可以必要时进行手动断开，比如，进行维修的时候需要断开某个回路以避免维修工作发生触电危险。

It is suitable for photovoltaic DC system to protect the overload and short circuit of photovoltaic DC line, and can also be used in communication, electric power, locomotive and other industries. At the same time, it can also be manually disconnected when necessary. For example, a circuit needs to be disconnected during maintenance to avoid the risk of electric shock during maintenance work.

Technology Specification

技术参数

主要特性 Technology Specification

认证 Certification		获得IEC报告 Get IEC report
符合电气标准 Confrom to standard of electrical		IEC60947-2 GB/T 14048.2
额定工作电压 (Un) Rated working voltage		1P 300V DC
		2P 600V DC
		3P 900V DC
		4P 1200V DC
冲击耐受电压 (Uimp) Impulse withstand voltage		6kV
额定运行短路分断能力 (Icu) Rated operating breaking capacity		6kA
脱扣特性 Trip Characteristics	B特性曲线 B Type	4In-7In
	C特性曲线 C Type	7In-15In
切实分断指示 Disconnection instructions		指示窗绿色标识表示触头处于断开位置 A green sign on the indicator window indicates that the contacts are in the open position

Mechanical Parameters

机械参数

外壳防护等级 Enclosure IP rating	IP40(安装后) IP40 (After installation)
外露长度(A) (详见尺寸图) External length (A) (Refer to the dimension drawing)	45.5mm
外壳高度(B) (详见尺寸图) External height (B) (Refer to the dimension drawing)	80.4mm
外壳宽度(C) (详见尺寸图) External width (C) (Refer to the dimension drawing)	17.7mm (1P)
端子形式 Terminal type	两用端子，可连接母排及导线。 Dual-purpose terminal for connecting busbars and conductor.
端子接线能力 Terminal wiring capability	导线1mm ² -25mm ² ，母排厚度0.8mm-2mm Conductor 1mm ² -25mm ² , Busbar thickness 0.8mm-2mm
模块化结构 Modular structure	可方便地安装在IEC标准导轨(35mm)上 Can be easily mounted on IEC standard rails (35mm)

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Other Parameters

其它参数

使用寿命 Electrical life	电气寿命 Electrical life	10,000次
	机械寿命 Mechanical life	20,000次
环境 Ambient	使用环境温度 Operation ambient temperature	-5°C~+40°C
	存储环境温度 Storage ambient temperature	-25°C~+70°C
抗湿热性 Heat and humidity resistance		2类(温度55°C时, 相对湿度95%) Class 2 (95% relative humidity at 55°C)

Weight (g)

重量

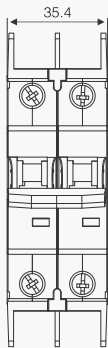
类型 (63A) Type (63A)	重量 Weight
1P	110
2P	228
3P	340
4P	466

Outline and Installaiton Dimensions

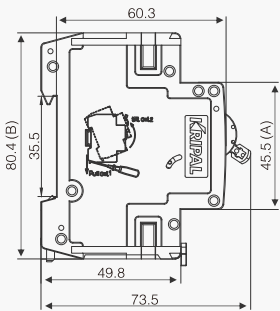
外形与安装尺寸



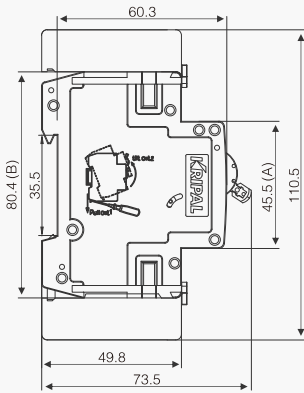
1P



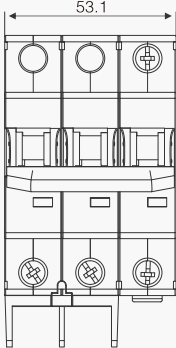
2P



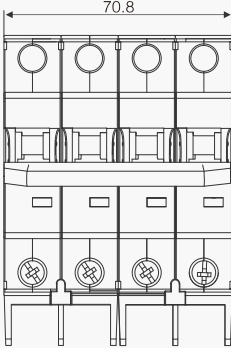
1P侧视图



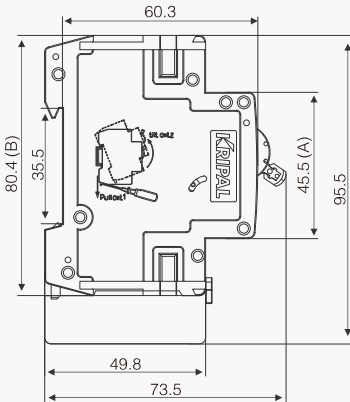
2P侧视图



3P



4P



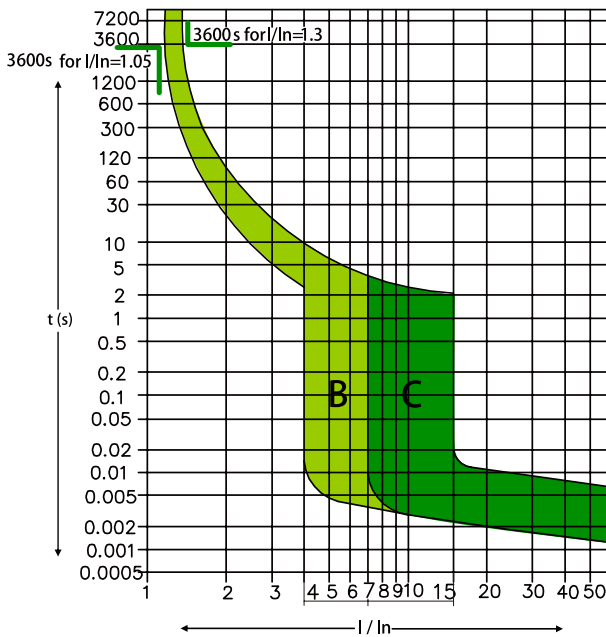
3P、4P侧视图

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Characteristics Curve

特性曲线



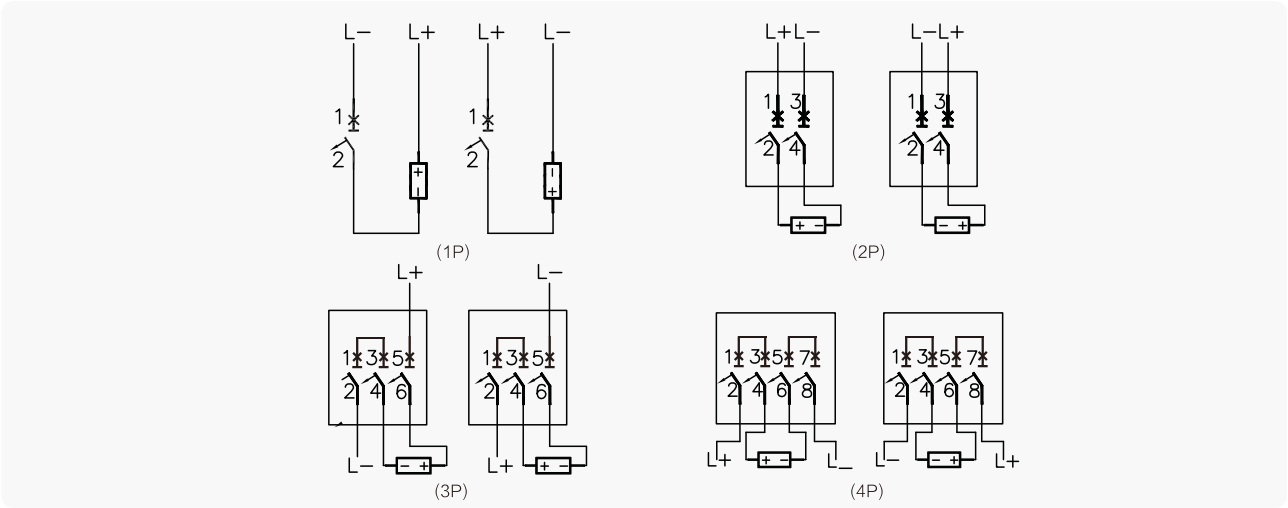
Electrical Connections

电气连接

此光伏直流断路器无正、负极性之分，接入直流电源时无需区分正、负极。但在连接负载时应注意电源正、负极性与负载正、负极性相对应。

This photovoltaic DC circuit breaker has no positive or negative polarity, and there is no need to distinguish between positive and negative when connecting to the DC power supply. However, when connecting the load, it should be noted that the positive and negative polarities of the power supply should correspond to the positive and negative polarities of the load.

1P单极	2P两极	3P两极	4P两极
300V DC	600V DC	900V DC	1200V DC



备注: 1. L+电源正极, L-电源负极。 L+ Positive power supply, L- Negative power supply.
Remarks 2.  负载 Overload