

YFM9DC系列光伏直流断路器

YFM9DC Series PV DC Circuit Breaker



适用范围

Scope of Application

YFM9DC系列光伏直流断路器适用于额定电压至DC1000V，额定电流至630A的直流电网电路中，直流断路器具有过载长延时保护、短路瞬时保护功能，用来分配电能和保护线路及电源设备免受过载、短路等故障的危害。

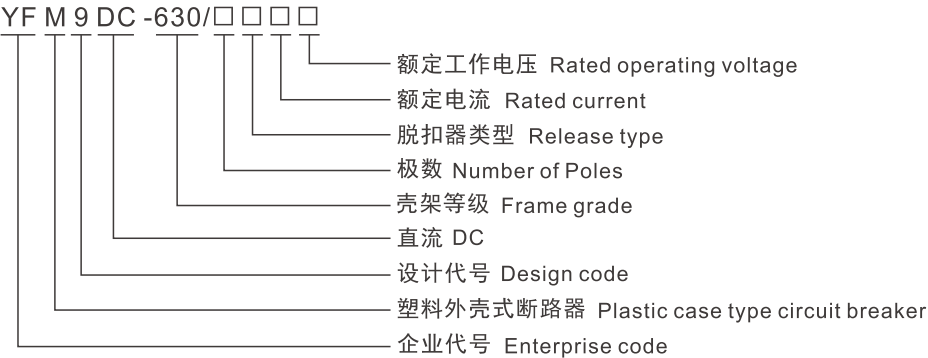
直流断路器的操作机构具有快速闭合和快速分断功能，结构紧凑，体积小，使用方便。

YFM9DC series photovoltaic DC circuit breaker is suitable for rated voltage to DC1000V, rated current to 630A DC power grid circuit, DC circuit breaker with overload long delay protection, short circuit instantaneous protection function, used to distribute power and protect lines and power equipment from overload, short circuit and other faults.

The operating mechanism of DC circuit breaker has the function of quick closing and quick breaking, compact structure, small size and easy to use.

型号及含义

Model And Meaning



技术参数

Technical Parameter

型号 Model number	单位 Units	YFM9DC-630		
壳架等级额定电流 Bracket rating Current	A	630,500,400,350,315,250,225		
极数 Number of poles		2		
额定工作电压 Ue AC 50-60Hz Rated working voltage Ue AC 50-60Hz	V	1000	1200	1500
额定绝缘电压 Ui Rated insulation voltage Ui	V	1600		
额定冲击耐受电压 Uimp Rated impulse withstand voltage Uimp	kV	12		
工频耐受电压 (1min) Power frequency withstand voltage (1min)	kV	3		
额定极限短路分断能力 Icu Rated limit short-circuit breaking capacity Icu	kA	50	40	20
额定运行短路分断能力 Ics Rated operating short-circuit breaking capacity Ics	kA	50	40	20
机械寿命 Mechanical life	次	10000		
电气寿命 Electrical life	次	2000	1500	1000
飞弧距离 Flight arc distance	mm	0 (安装端子罩)		
基本尺寸W×L×H Basic dimensions W×L×H	mm	110×275×152		
瞬时脱扣器 Instantaneous release		5In or 10In		
基准环境温度 Reference ambient temperature	℃	50℃		

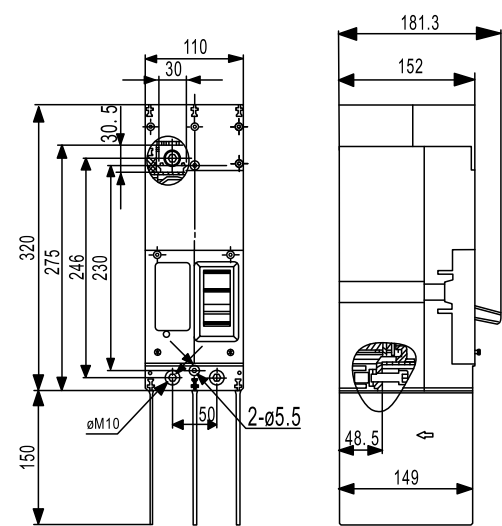
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外形及安装尺寸

Outline and mounting dimensions



• 安装示意图

Installation diagram

