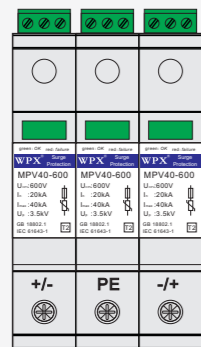


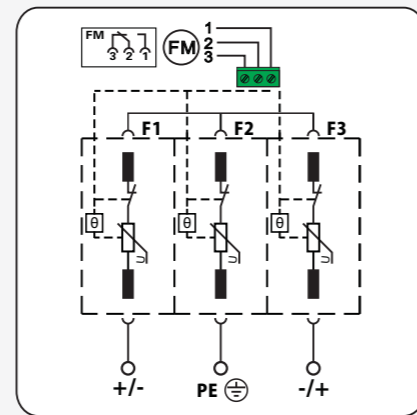
MP Series C PV 600V/150V

光伏系统2级防雷保护



Y mode

- 遥信功能;
- 通流量大, 残压低;
- 具有过热保护;
- 具有工作、失效指示;
- 外壳防护等级为IP20, 阻燃等级为UL94 V0



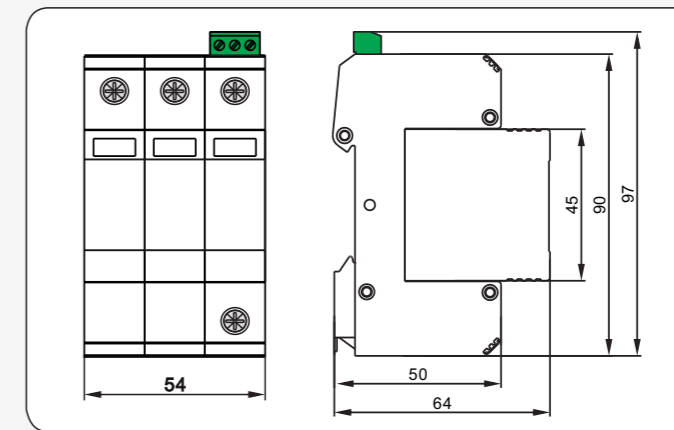
基本原理图 (Circuit Diagram)  
Y mode

Y型保护模式, 可防止发生电路绝缘故障时对电涌保护器造成损坏

型号 货号	Model Number Art No.	Y mode	WPX-MPV40-600/3-FM 930 246	WPX-MPV40-600/3 930 256
SPD根据	SPD according	IEC61643-11/EN 61643-11	Class II/Type 2	Class II/Type 2
适用系统	Applicable power supply system		PV	PV
保护模式	Modes of protection		DC+...DC-;DC+/DC-...PE	DC+...DC-;DC+/DC-...PE
最大光伏电压	The maximum PV voltage $U_{crv}$		≤600V	≤600V
最大持续运行电压	Max Continuous Operating Voltage $U_c$		300V	300V
总放电电流	Total Discharge Current $I_{total}(8/20\mu s)$ [(DC+/DC-)...PE]		40kA	40kA
标称放电电流	Nominal Discharge Current $I_n(8/20\mu s)$ [(DC+/DC-)...PE]		20kA	20kA
最大放电电流	Max Discharge Current $I_n(8/20\mu s)$ [(DC+/DC-)...PE]		40kA	40kA
5kA时, 电压保护水平	5kA, Voltage Protection Level $U_p$ [(DC+/DC-)...PE]		≤2.0kV	≤2.0kV
10kA时, 电压保护水平	10kA, Voltage Protection Level $U_p$ [(DC+/DC-)...PE]		≤2.5kV	≤2.5kV
电压保护水平 $I_n$	Voltage Protection Level $U_p$ (L-PE)		≤2.8kV	≤2.8kV
响应时间	Response Time $t_A$		≤25ns	≤25ns
后备熔断丝	Max. mains-side Overcurrent Protection(L)		125A/或非必需(Non-essential)	125A/或非必需(Non-essential)
安装导线截面积(多芯)	Cross sectional area for wiring terminal connected to conductor		Stranded : 4~25mm <sup>2</sup>	Stranded : 4~25mm <sup>2</sup>
安装导线截面积(单芯)	Cross sectional area for wiring terminal connected to conductor		Solid Wire : 4~35mm <sup>2</sup>	Solid Wire : 4~35mm <sup>2</sup>
工作温度	Operating Temperature Range		-40°C...+80°C	-40°C...+80°C
相对湿度	Relative Humidity		≤95% ( 25°C )	≤95% ( 25°C )
大气压强	Atmospheric Pressure		86kPa...106kPa	86kPa...106kPa
工作频率	Working Frequency		42Hz...68Hz	42Hz...68Hz
扭矩: 接线端子/遥信	Torque: wiring terminal/remote signaling interface		2.5Nm/0.25Nm	2.5Nm/0.25Nm
外壳材质	Enclosure material		合金塑料/UL V-0	合金塑料/UL V-0
安装形式	Mounting		DIN 35mm rail	DIN 35mm rail
防护等级	Degree of protection (IP code)		IP20	IP20
遥信接口安装导线截面积	Max. Cross-sectional Area For Remote Signaling Interface		1.5mm <sup>2</sup>	——
遥信触点类型	Intensity of Remote Signalling Alarm Contact		AC:250V/0.75A 125V/ 3A	——
			DC : 30V/ 2A	——

PV systems Surge protection Class C

MP Series C PV



外形尺寸(Dimension):mm

- ✦ Intensity of Remote Signalling Alarm Contact;
- ✦ High discharge capacity and low residual voltage;
- ✦ Overtemperature protection, Class C protection;
- ✦ Y-safe design, causing damage to the surge protector to prevent the occurrence of the circuit when an insulation failure
- ✦ Failure indication and centralized remote signalling alarm dry contacts;
- ✦ IP20, UL94 V0

型号 货号	Model Number Art No.	Y mode	WPX-MPV40-150/3-FM 930 245	WPX-MPV40-150/3 930 255
SPD根据	SPD according	IEC 61643-11/GB 18802.1/EN 61643-11	Class II/Type 2	Class II/Type 2
适用系统	Applicable power supply system		PV	PV
保护模式	Modes of protection		DC+...DC-;DC+/DC-...PE	DC+...DC-;DC+/DC-...PE
最大光伏电压	The maximum PV voltage $U_{crv}$		≤150V	≤150V
最大持续运行电压	Max Continuous Operating Voltage $U_c$		75V	75V
总放电电流	Total Discharge Current $I_{total}(8/20\mu s)$ [(DC+/DC-)...PE]		40kA	40kA
标称放电电流	Nominal Discharge Current $I_n(8/20\mu s)$ [(DC+/DC-)...PE]		20kA	20kA
最大放电电流	Nominal Discharge Current $I_n(8/20\mu s)$ [(DC+/DC-)...PE]		40kA	40kA
5kA时, 电压保护水平	5kA, Voltage Protection Level $U_p$ [(DC+/DC-)...PE]		≤0.6kV	≤0.6kV
10kA时, 电压保护水平	10kA, Voltage Protection Level $U_p$ [(DC+/DC-)...PE]		≤0.8kV	≤0.8kV
电压保护水平 $I_n$	Voltage Protection Level $U_p$ (L-PE)		≤1.0kV	≤1.0kV
响应时间	Response Time $t_A$		≤25ns	≤25ns
后备熔断丝	Max. mains-side Overcurrent Protection(L)		125A/或非必需(Non-essential)	125A/或非必需(Non-essential)
安装导线截面积(多芯)	Cross sectional area for wiring terminal connected to conductor		Stranded : 4~25mm <sup>2</sup>	Stranded : 4~25mm <sup>2</sup>
安装导线截面积(单芯)	Cross sectional area for wiring terminal connected to conductor		Solid Wire : 4~35mm <sup>2</sup>	Solid Wire : 4~35mm <sup>2</sup>
工作温度	Operating Temperature Range		-40°C...+80°C	-40°C...+80°C
相对湿度	Relative Humidity		≤95% ( 25°C )	≤95% ( 25°C )
大气压强	Atmospheric Pressure		86kPa...106kPa	86kPa...106kPa
工作频率	Working Frequency		42Hz...68Hz	42Hz...68Hz
扭矩: 接线端子/遥信	Torque: wiring terminal/remote signaling interface		2.5Nm/0.25Nm	2.5Nm/0.25Nm
外壳材质	Enclosure material		合金塑料/UL V-0	合金塑料/UL V-0
安装形式	Mounting		DIN 35mm rail	DIN 35mm rail
防护等级	Degree of protection (IP code)		IP20	IP20
遥信接口安装导线截面积	Max. Cross-sectional Area For Remote Signaling Interface		1.5mm <sup>2</sup>	——
遥信触点类型	Intensity of Remote Signalling Alarm Contact		AC:250V/0.75A 125V/ 3A	——
			DC : 30V/ 2A	——