

SY485

SY485 基本电路图
SY485 Basic circuit diagram

SY485工业控制信号电涌保护器,是专门用于RS485信号线路及端口的电涌保护器。本产品内置过压过流抑制模式,采用二级串联防护电路设计,对浪涌电压及电流能够进行有效抑制。同时本产品采用故障自恢复设计,令产品信号对线路及设备的保护更全面,保障信号传输和设备正常运行。

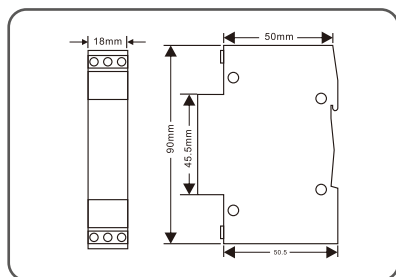
根据防雷分区概念,该电涌保护器可安装于LPZ 0A-2及更高界面或直接安装于靠近被保护设备的前端。适用于工业控制信号,如现场总线、消防信号、温度感应器、烟雾感应器、DCS控制总线、现场仪表、液位仪等0-20mA,4-20mA控制线等输入输出接口。

SY485 Industrial control signal line SPD is a surge protection device especially designed for RS485 signal circuit and ports. With internal over voltage and over current suppression model, and two levels connection circuit protection design, the SPD can suppress surge voltage and current effectively. The product has applied the malfunction self-recovery design, thus providing thorough protection for the signal and the appliance, and ensure the transfer of signal and the operation of equipment.

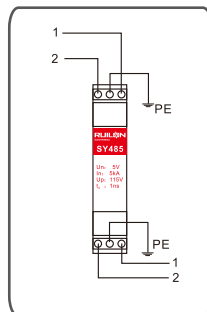
According to the definition of the partition of lightning protection, this device can be installed on LPZ0A-2 or a higher interface, or it can be installed directly at the front-end of the protected equipment. It can be applied to protect the industrial control signal, such as the field bus, 0-20mA, control line, 4-20mA control line and other input and output interface.

SY485

Type	型号	SY485			
		SY485/5	SY485/12	SY485/24	
Nominal operating voltage	标称工作电压	Un	5VDC	12VDC	24VDC
Max.Continuous voltage	最大持续工作电压	Uc	8VDC	22VDC	42VDC
Norminal discharge current(8/20 μ s)	标称放电电流(8/20 μ s)	In		5kA	
Max. discharge current (8/20 μ s)	最大通流量(8/20 μ s)	I _{max}		10kA	
Voltage protection level	保护水平	Up	115V	130V	210V
Response time	响应时间	t _a		1ns	
Rates	传输速率			2-12M	
Protection ports	端口		Connecting screw/压接端子		
Operating temperature range	工作温度范围	T	-40°C~ +80°C		
Outer casing protection grade	防护等级		IP20		
Mounting on	安装支架		35mmDIN (35mm标准导轨)		
Enclosure material	外壳		Thermoplastic (热塑性材料)		
Test standards	测试依据		GB18802. 21-2011		



SY485 尺寸图
SY485 Dimension diagram



通流量大，电压保护级别低

High discharge capacity, low voltage protection level

快速响应

Quick response

核心器件全部采用国际知名的RUILON品牌

All the core components are from international famous brand Ruilon