

# 5V电压系统(本安SPD) Intrinsically Safe Surge Protective Devices with 5V Voltage System



## 产品概述

12.4mm超薄设计;  
电涌防护模块支持热插拔,拔出后不断线;  
电涌防护模块可单独检测,维护便捷;  
适用于热电偶、热电阻、CAN、RS485、  
RS422等浮地信号回路保护;  
通过DIN35金属导轨接地。

## Product overview

12.4mm ultra-thin design;  
Surge protection modules are hot pluggable, no disconnection after unplugging;  
Surge protective module can be individually detected, convenient to maintain;  
Suitable for TC, RTD, CAN, RS485, RS422 and other floating circuit protection signals;  
Earthing through DIN35 metal rail.

## 技术数据 Technical data

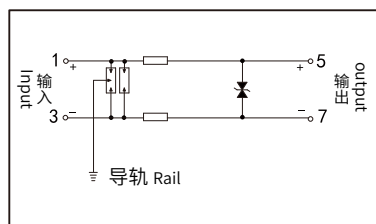
### 二线制 Two-wire

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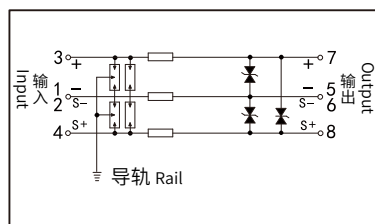
### 四线制 Four-wire

额定工作电压Un Rated operating voltage Un	5V	5V	5V
最大工作电压Uc Maximum operating voltage Uc	6V	6V	6V
标称工作电流IL Nominal operating current IL	600mA	600mA	600mA
标称放电电流In(8/20μs) Nominal discharge current In (8 / 20μs)	10kA	10kA	10kA
最大放电电流Imax(8/20μs) The maximum discharge current (8 / 20μs)	20kA	20kA	20kA
雷电冲击电流Iimp(10/350μs) Lightning surge current Iimp (10 / 350μs)	2.5kA	2.5kA	2.5kA
总雷电冲击电流(10/350μs) Total lightning surge current (10 / 350μs)	5kA	7.5kA	10kA
保护电压Up(8/20μs) 线对线 / 线对地 Protection voltage Up (8 / 20μs) line-to-line / line to ground	40V/600V	40V/600V	40V/600V
保护电压Up(1kV/μs) 线对线 / 线对地 Protection voltage Up (1KV / μs) line to line / line to ground	20V/600V	20V/600V	20V/600V
带宽(-0.5dB) Bandwidth (-0.5dB)	10MHz	10MHz	10MHz
响应时间 Response time	1ns	1ns	1ns
串联电阻(每线) Series resistance (per line)	1Ω	1Ω	1Ω
漏电流 Leakage current	<10μA	<10μA	<10μA
外壳防护等级(符合IEC 60529) Degrees of protection provided by enclosure (in line with IEC 60529)	IP 20	IP 20	IP 20
外壳材料/阻燃等级(UL94) Housing material / Flame retardant grade (the UL94)	PC/V0	PC/V0	PC/V0
测试标准 Test standard	GB/T 18802.21 / IEC61643-21	GB/T 18802.21 / IEC61643-21	GB/T 18802.21 / IEC61643-21
防爆认证 Explosion-proof certifications	EX ia II C T4-T6 Ga	EX ia II C T4-T6 Ga	EX ia II C T4-T6 Ga
工作温度范围 Working temperature range	-40 °C ~ +80 °C	-40 °C ~ +80 °C	-40 °C ~ +80 °C

PHL-T5-L2-EX



PHL-T5-L3-EX



PHL-T5-L4-EX

