



产品概述

电源网络二合一监控专用防雷器是为数字网络摄像机定制的一款防雷产品,保护摄像机电源、网络线路免受雷电电磁脉冲、感应过电压、操作过电压的影响,广泛应用于公共治安、交通监控等领域。该系列产品具有集成度高、插损低、残压低、方便安装等特点,具有良好的防雷效果。

Product overview

The power network two-in-one monitoring special lightning protection device is a lightning protection product customized for digital network cameras. It protects the camera power supply and network lines from electromagnetic pulses of lightning, induced overvoltages, and operating overvoltages. It is widely used in public security, traffic monitoring and other fields. This series of products have the characteristics of high integration, low insertion loss, low residual voltage, convenient installation etc., have very good lightning protection effects.

产品特点

Product advantages

- 摄像机电源、网络信号综合防护, 干扰小
Integrated protection for camera power supply and network signal with little interference
- 插损小、传输性能优越、无漏流
Small insertion loss, superior transmission performance, no leakage
- 通流量大、残压低
Large flow rate, low residual pressure
- 安装方便、结构严谨
Easy to install with rigorous structure
- 多级防护
Multi-level protection;

型号 Model	PHL-12/D05J4	PHL-24/D05J4	PHL-220/D05J4
网络部分电气参数 Electrical parameters of the network			
雷电保护区(LPZ) Lightning Protection Zone (LPZ)	2	2	2
需求等级 Demand level			
按照 IDN VDE6075 Part 6 (Draft 11.89) A1, A2 According to IDN VDE6075 Part 6 (Draft 11.89) A1, A2	D	D	D
按照 IEC 61643 According to IEC 61643	II	II	II
最大持续工作电压(UC) Maximum continuous working voltage (UC)	5V	5V	5V
标称放电电流 $I_n(8/20\mu s)$ Nominal discharge current $I_n(8/20\mu s)$	3KA	3KA	3KA
最大通流容量 $I_{max}(8/20\mu s)$ Maximum flow capacity $I_{max}(8/20\mu s)$	5KA	5KA	5KA
限制电压 (10/700 μs) 芯线—芯线 Limit voltage (10/700 μs) core wire — core wire	$\leq 20V$	$\leq 20V$	$\leq 20V$
响应时间(T_a) Response time (T_a)	1ns	1ns	1ns
传输速率 V_s Transmission rate V_s	100bps	100bps	100bps
插入损耗 Insertion loss	$\leq 0.5dB$	$\leq 0.5dB$	$\leq 0.5dB$
工作湿度范围(TU) Working humidity range (TU)	环境温度: -40~+85°C 相对湿度 $\leq 95\%$ Environmental temperature: -40~+85°C Relative humidity $\leq 95\%$		
接头形式 Joint form	RJ45	RJ45	RJ45
依据标准 Standards	IEC 61643-1、EN60950、GB/T18802.21-2002、TB/2311-2002、 YD/T 1235.2、YD/T 1542 IEC 61643、YD/5097-2005、 GB18802.1-2011、GE50057-2010		

型号 Model	PHL-12/D05J4	PHL-24/D05J4	PHL-220/D05J4
电源部分电气参数 Electrical parameters of the power supply			
标称工作电压(Un) Nominal working voltage(Un)	12VAC	12VDC	220VAC
最大持续工作电压(UC) Maximum continuous working voltage (UC)	30VAC	15VDC	275VAC
标称放电电流 In(8/20μs) Nominal discharge current In(8/20μs)	5KA	5KA	5KA
最大通流容量 I _{max} (8/20μs) Maximum flow capacity I _{max} (8/20μs)	10KA	10KA	10KA
负载电流 Load current	0.5A	0.5A	0.5A
电压保护水平Up在1n时 When the voltage protection level Up is 1n	≤100V	≤60V	≤900V
响应时间(Ta) Response time (Ta)	1ns	1ns	1ns
工作环境 Working environment	环境温度:-40~+85°C 相对湿度≤95% Environmental temperature: -40~+85°C Relative humidity≤95%		
接头形式 Joint form	压接式 Crimp type	压接式 Crimp type	压接式 Crimp type
依据标准 Standards	IEC 61643-1、EN 60950、GB/T18802.21-2002、TB/T2311-2002、YD/T 1235.2		
机械参数 Mechanical parameters			
安装方式 Installation method	避雷器串接在被保护设备与信号通道之间 The arrester is connected in series between protected equipments and signal channels		
外观尺寸 Appearance size	112*60*25mm	112*60*25mm	112*60*25mm
外壳材料/颜色 Shell material/color	铝/蓝色 Aluminum/blue	铝/蓝色 Aluminum/blue	铝/蓝色 Aluminum/blue
防护等级 Protection level (IEC EN 60529)	IP 20	IP 20	IP 20

电源网络二合一监控专用防雷器

Power and network two-in-one monitoring special surge protective devices

RJ45/压接式接口·5kA·5V
RJ45/Crimp interface·5kA·5V

应用场景

Application scenario

主要用于监控系统对监控设备(电源、云台、摄像机)的防护;广泛应用于银行监控系统,小区安防系统;学校、企业、道路安全防护等监控设备。

It is mainly used for the protection of monitoring equipment (power supply, PTZ, camera) by the monitoring system; widely used in bank monitoring system, community security system; school, enterprise, road safety protection and other monitoring equipment.