

SURGE PROTECTOR PRODUCT

1000Mbps Data Line Protector



FEATURES

- Multi. Protection circuits, Gas-Tube+ TVS technology
- Dual protection in Common module and different module
- TVS array technology, low capacitance
- Multi-Strike Capability

APPLICATIONS

- CAT6, CAT5e and CAT5 compatible
- 10/100/1000 Base-T Gigabit Ethernet protection
- LAN, FDDI, CDDI, ATM
- PDH, SDH, SPDH
- Industrial contro



PRODUCT DESCRIPTION

The model is designed to protect high-speed communication network from lightning over-voltage, transient over-voltage and static discharge. The protector implements multi-level protection circuit with advanced manufacturing process, and has excellent performance on discharge current, limiting voltage, response time, stability and over-all reliability.

TECHNICAL PARAMETER

Model	SP-SNH-RJ45
Electrical Parameter	
Max. continuous operating voltage U_c	6V
Nominal discharge current (8/20 μ s) I_n	3kA
Max. discharge current (8/20 μ s) I_{max}	5kA
Voltage Protection Level U_p	$\leq 25V$
Adapt transmission rate V_s	1000Mbps
Insertion loss A_e	$\leq 0.5dB$
Response time T_a	$\leq 1ns$
Protection line	1-8
Interface form	RJ45
Protection port	1
Mechanical characteristics	
Dimension	80(L) × 43(W) × 29(H)mm
Weight per unit	120g
IP Code	IP20
Working conditions	Temperature: -40 to 85oC, Relative humidity: $\leq 95oC$
Standards Compliance	IEC61643-21, RoHS, IEC 61312-1, IEC 61312-3 (pending), IEC 61024-1, IEC 61000-4-5, IEC 61643-1-1, IEC 61643-1-2 (pending), IEC 62066 (pending), IEC 61643-2-1 (pending), IEC 61643-1, NFC 61740, VDE 0675, UL 1449, BS 6651