

S05-2K5-RJ45(RJ45K)

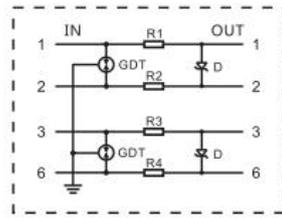
scope of application

Primarily designed for computer network components including routers, Power over Ethernet (POE) devices, servers, workstations, and other electronic systems, as well as network-connected video surveillance equipment. It effectively prevents permanent damage or transient interruptions caused by induced overvoltages, overcurrents, and transient surge voltages from lightning strikes or industrial noise, ensuring reliable signal transmission.

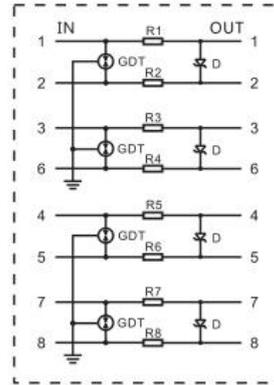
technical parameter

model	S05-2K5-RJ45(RJ45K)
SPD basis: GB/T18802.21/IEC61643-21	C2
nominal voltage (Un)	5V
Maximum continuous operating voltage (Uc)	8V
Nominal discharge current (8/20 μ s) [In]	2.5KA
Voltage protection level (Up) [line to line]	45V
Voltage protection level (Up) [line to ground]	500V
transmission speed	100MHz/1000MHz
insertion loss	≤ 0.5 dB
response time (t)	≤ 1 ns
Working temperature range (Tu)	-40 $^{\circ}$ C ~ +70 $^{\circ}$ C
protective circuit	Line 1, 2, 3, 6 / Line 1, 2, 3, 4, 5, 6, 7, 8
Network devices	100MHz Ethernet device / 1000MHz Ethernet device
maximum load current	0.4A per pair of wires
minimum installed conductor cross-sectional area	0.5mm ² single-strand/multistrand
maximum installed conductor cross-sectional area	4mm ² (PE side) single-strand/multistrand
way to install	35mm DIN rail, compliant with EN 60715
Shell material	Gray thermoplastic material, UL94 V-0
installation site	indoor
levels of protection	IP20
size	1.35 module, DIN 43880
relative humidity	$\leq 95\%$ No condensation

schematic diagram

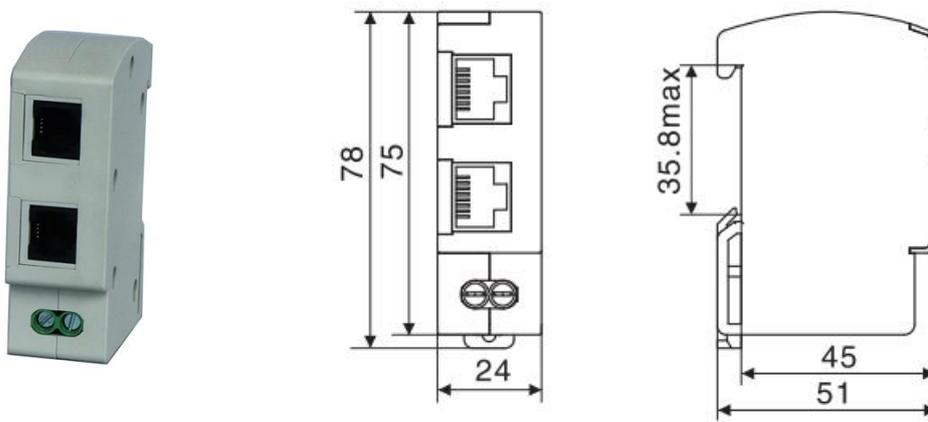


100MHz

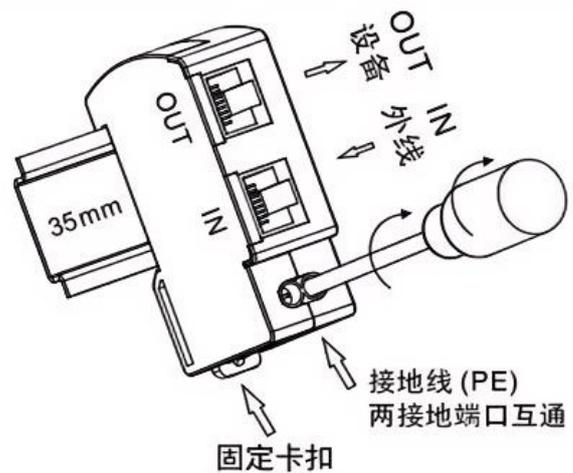
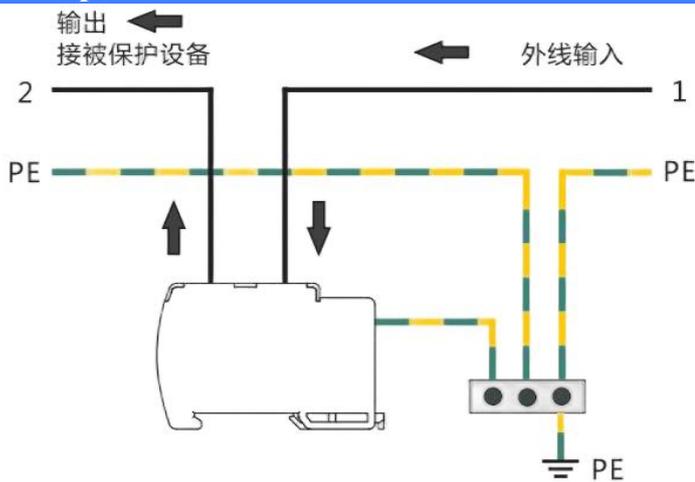


1000MHz

outline dimensional drawing



hookup



Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.