

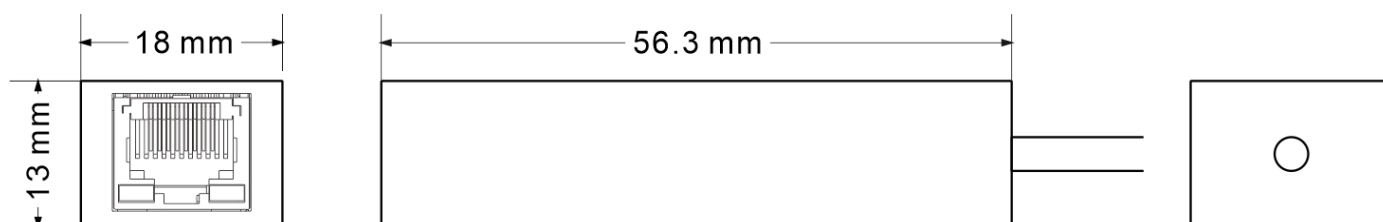


Products	100-megabit network lightning protection	Gigabit network lightning protection	PoE network lightning protection
Model	FS-RJ45-E100	FS-RJ45-E1000	FS-RJ45-PoE

1. Product introduction

- Products installed in the computer network port, for network line lightning and surge protection
- Standard module structure for 35mm electrical rail installation
- Meet the requirements of lightning protection and electrical characteristics of Ethernet signal lines
- Two-stage composite discharge design, discharge current is large, fast response, low residual voltage
- Install in series, RJ45 interface
- Mainly used in 100M, 1000M and PoE network equipment

2. Product size



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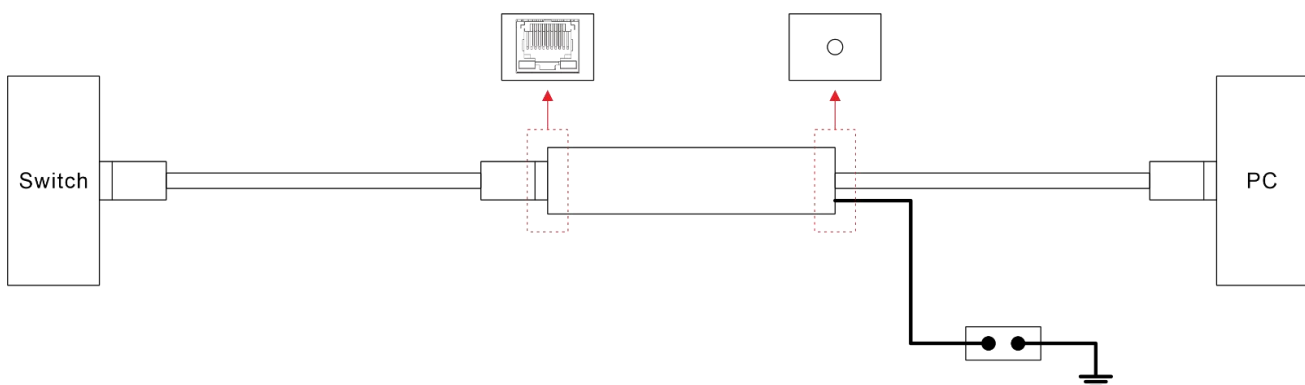
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4. Technical specifications

Model			FS-RJ45-E100	FS-RJ45-E1000	FS-RJ45-PoE
Maximum continuous operating voltage		U_c	6V-		
Maximum continuous operating current		I_L	—		1A
Nominal discharge current (@8/20 μ s)	Line/Line	I_n	2kA		30A
	Line/PE		2kA		2kA
Voltage protection level (@ I_n)	Line/Line	U_p	$\leq 15V$		$\leq 15V$
Voltage protection level (@1kV/ μ s)	Line/Line	U_p	$\leq 10V$		$\leq 10V$
	Line/PE		$\leq 450V$		$\leq 550V$
Response time	Line/Line	t_A	$\leq 1ns$		$\leq 1ns$
	Line/PE		$\leq 100ns$		$\leq 100ns$
The data transfer rate		V_s	100Mbit/s	1000Mbit/s	1000Mbit/s
The number of protection lines		—	RJ45(1,2,3,6)	RJ45(1,2,3,4,5,6,7,8)	RJ45(1,2,3,4,5,6,7,8)
Operating temperature		—	-40°C ~ +80°C		
Enclosure material		—	Flame retardant plastic		
Degree of enclosure protection		—	IP20		

5. Product installation

Installation illustration



Environmental requirements

1. Operating temperature: -40°C ~ +80°C
2. Operating humidity: $\leq 90\%$ (@25°C)
3. Non-flammable and explosive environment
4. Avoid sunlight and rain

Installation instructions

1. The appliance should be installed at the back end of the breakers F1, close to the power switch or protected

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equipment

2. The product ground wire is connected in parallel to the power line
3. Product wiring should be 2.5 square or more copper wire, wiring as short, thick, straight as possible
4. Check the mineproof box indicators regularly to make sure the equipment is working properly

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