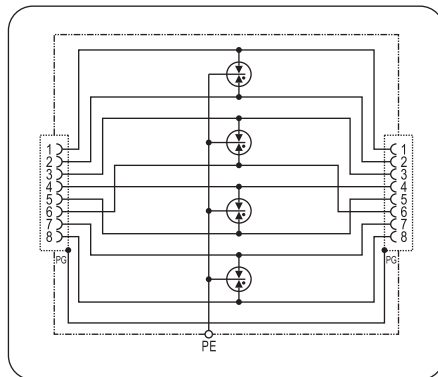


BS RJ45E WP

Waterproof IP65
Ethernet Lightning
Protector



Basic circuit diagram:



• Technical data

Type	BS RJ45E WP	
Art.-No.	630 028	
Nominal voltage	U_N	48V-
DC spark-over voltage (at 100V/s)	$U_{DC\ spark}$	90V-
Max. impulse spark-over voltage (at 1kV/ μ s)	$U_{max\ spark}$	700V
Nominal discharge current (8/20 μ s)	I_n	2.5kA
Total nominal discharge current (8/20 μ s)	I_{total}	5kA
Voltage protection level	U_p	$\leq 600V$
Max. insulation resistance (at 50V)	R	1G ohm
Max. capacitance (at 1MHz)	C	1.0 pF
Max. data transmission rates	V_s	1000Mbit/s
Operating temperature range	-35°C...+65°C	
Connection input/output	RJ45 socket	
Waterproof rating	IP 65	
Earthing via	Screw terminal	
Mounting on	Metal clip or screws	
Enclosure material	Thermoplastic	
Test standards	IEC 61643-21; EN 61643-21	
Certification	CE (LVD); RoHS	

• Product introduction

1. Summary

BS RJ45E WP is for installation at LZP 0₆-2 and higher interface or directly installed near the equipment; the RJ45 surge protect the network connection of a device against overvoltage. The compact device supports Ethernet with 10 / 100 / 1000Mbps.

2. Main character

- For protecting computer data transmission system, network system and so on
- Good discharge capacity, low voltage protection level
- Quick response, high transmission speed, low signal attenuation
- Suitable for sheltered outdoor application
- RJ45 connection, easy for installation

3. Application

BS RJ45E WP is applied in offices and industries like Gigabit Ethernet, ATM or ISDN system, and like VoIP system can be protected. (e.g. Switch, router, HUB, modem and so on)

4. Application environment

- Temperature: -30°C ~ +65°C
- Relative humidity: $\leq 95\%$ (25°C)

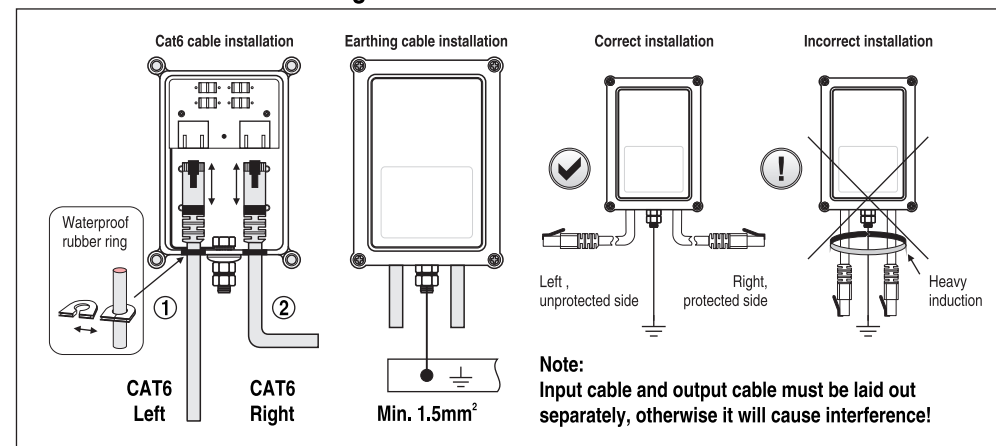
• Installation instruction

1. This product is connected in series to the protected device.
2. Mount the SPD on the devices or metal conductor.
3. The OUT terminal should be connected to the protected devices.
4. SPD's earthing terminal must be connected to nearby earthing BusBar or the metal earthing enclosure of the protected device.
5. After above, you should ensure the circuit is functioning.

Regularly inspect the operating status, especially after lightning.

Once the communication is off, electrician should check/replace the SPD.

BS RJ45E WP installation diagram :



	WARNING:
	<ol style="list-style-type: none"> 1. The device must be installed by electrically skilled person, conforming to national standards and safety regulations. 2. It is recommended that installation should be done under power off condition.