Ethernet Surge Protector **MWS-ESP-10GP** is installed interface or directly installed in the front near the equipment.Protection of applications in structured cabling according to class EA to 500MHz; e.g. industrial Ethernet, data distributors.diital camera systems, Power over Ethernet (IEEE 802.3) and Ethernet-based interfaces in general.all the industrial ethernet 10M, 100M, 1GBit, 10GBit or higher network surge protection.

Features

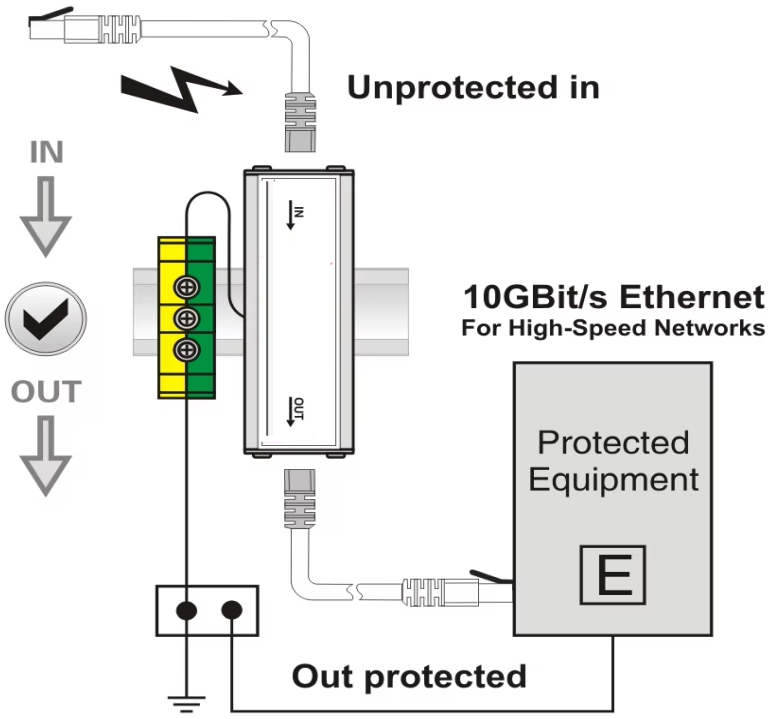
1. For protecting computer data transmission system, network system and so on.
2. Ideal for protecting Ethernet applications up to 10GBit/s.
3. Good discharge capacity, low voltage protection level.
4. Quick response, high transmission speed, low siqnal attenuation.
5. Metallic enclosure design is use RJ45 connectors, easy for installation.
6. Optional with DIN rail installation.
7. 10/100/1000/10000Mb(10G) Data Rate.
8. CAT5.CAT5e.CAT6.CAT6a,CAT7 Compatible.
9. 802.3af,802.3at,802.3bt and Passive PoE Compatible.
10. PoE.PoE+,PoE++ and 4PPOE Compatible.

Applications

11. Enterprise Networks: Protects core network equipment in data centers, offices, etc.
12. Surveillance Systems: Safeguards POE-powered surveillance cameras and wireless access points from electrical disturbances.
13. Outdoor Installations: Suitable for devices exposed to electrical interference in outdoor or harsh

environments.

14. Industrial Environments: Protects network devices in factories, warehouses, and other industrial settings from surge damage.



Type	Ethernet Surge Protector
Art.-No.	MWS-ESP-10GP
SPD impulse category	B2;C1;C2;C3;D1
Nominal voltage [U_N]	3.3V
Rated voltage (max. continuous d.c. voltage) [Uc]	3.3V
Max. continuous d.c. voltage (pair-pair POE) [Uc]	58V
Nominal current [I_L]	1.5A

D1 Lightning impulse current (10/350μs)[I_{imp}]	0.5kA(per line)
D1 Total Lightning impulse current (10/350μs)[I_{imp}]	**8kA(total)**
C2 Nominal discharge current (8/20μs) [I_n]	100A(line-line) 2.5kA(line-PG)
C2 Total nominal discharge current (8/20μs) [I_n]	10kA(line-PG)
C2 Nominal discharge current(8/20μs)(POE)[I_n]	100A(pair-pair)
Voltage protection level at In[U_p]	≤ 100V(line-line) ≤ 600V(line-PG)
Voltage protection level at In(POE) [U_p]	≤ 100V(pair-pair)
Voltage protection level 1kV/us[Up]	≤ 140V(line-line) ≤ 500V(line-PG)
Voltage protection level 1kV/us(POE)[U_p]	≤ 170V(pair-pair)
Frequency range [f_G]	500MHz
Max. data transmission rates [Vs]	10GBit/s
Capacitance[C]	≤ 15pF(line-line) ≤ 40pF(line-PG)
Degree of protection	IP 20
Operating temperature range [Tu]	-40°C...+80°C
Connection （input/output）	RJ45 shield socket
Pinning	1/2, 3/6, 4/5, 7/8
Number of Ports	1
Mounting on	35mm DIN rail, EN 60715
Place of installation	Indoor
Enclosure material	Auminum Enclosure
Earthing via	Earthing screw
Test standards	IEC 61643-21; EN 61643-21; GB

	18802.21
Certification	CE(LVD,EMC), RoHS,REACH

Edition: Apr. 2019 Published UPCOM TECHNOLOGY LIMITED Co.,Ltd.