RS485 7mm DIN Rail mounted SPD

TRSS-485

RS485 DC surge protector. The surge protector is connected in series in front of the protected equipment, and is mainly suitable for communication lines, remote signaling, measurement and control systems, access control intercom systems, automatic control systems, security systems, etc., which can effectively absorb the energy generated by surges Impact, and introduce energy into the earth through the grounding cable.

Features:

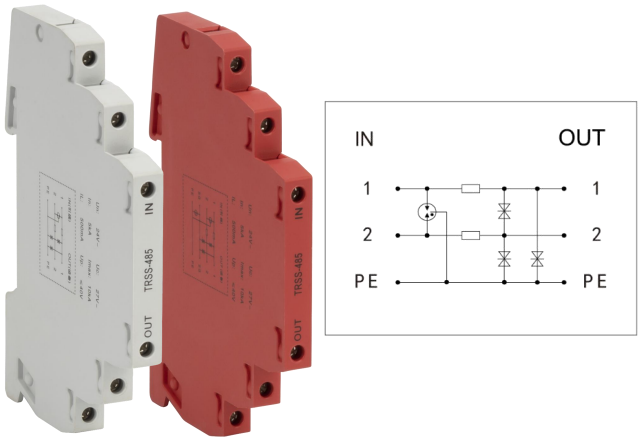
1.TRSS-485/8/12/24 is used for RS485, RS422, RS232.4-20mA, audio, video, control, fire protection, alarm, analog, digital, industrial, bus and other signal ports

2. TRSS-485/110 is used for communication signal ports

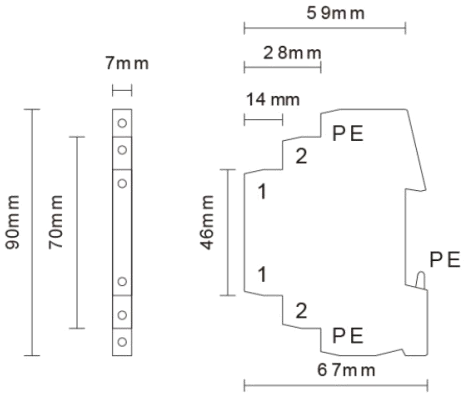
3. A variety of protection voltages are available, such as 12V 24V 36V 48V 110V.

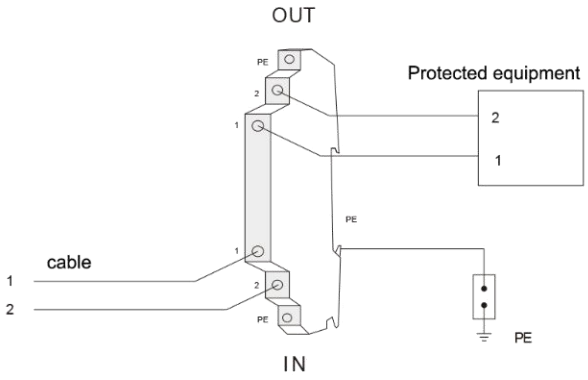
4. The maximum discharge current is 10kA.

Product and Circuit diagram:



Dimension and install diagram:





Type	TRSS-485			
Standards	EN 61643-21 / IEC 61643-21			
Nominal voltage Un	5	12	24	100
Max. continuous operating voltage Uc	8	15	30	110
Frequency	30MHz			
Nominal discharge current (8/20μs) In	5 kA			
Maximum discharge current (8/20μs) Imax	10 kA			
Voltage protection level Up	20	40	60	150
Insertion loss	≤0.5dB			
Range of operating temperatures	40℃~+70℃			
For mounting on	35 mm DIN rail			
Enclosure material	PA66			
Degree of protection	IP 20			
Connection type	Serial connection			

Installation and notes:

1.Surge protective device is in series in front of protected equipment, and before installation should power off, and forbidden to operate with power.

2.When installation should make sure to wire according to surge protective device indication In, Out and PE. Output side is connected to protected equipment. Can't reverse, otherwise when lightning it will damage surge protective device, and can not protect the equipment properly.

3.When installing the ground wire, disconnect the device to avoid damage to the device due to the introduction of strong currents such as electric welding from the ground wire.

4.Connect the ground wire of the surge protector and the metal shell of the device to the grounding bar. It should test regularly during the surge protector using, if faults then should change or repair on time to ensure the safety of the protected equipment. 5.Non-professionals do not disassemble.