



Model SP-005DC10-RS485

Control Signal Surge Protector

Product Datasheet



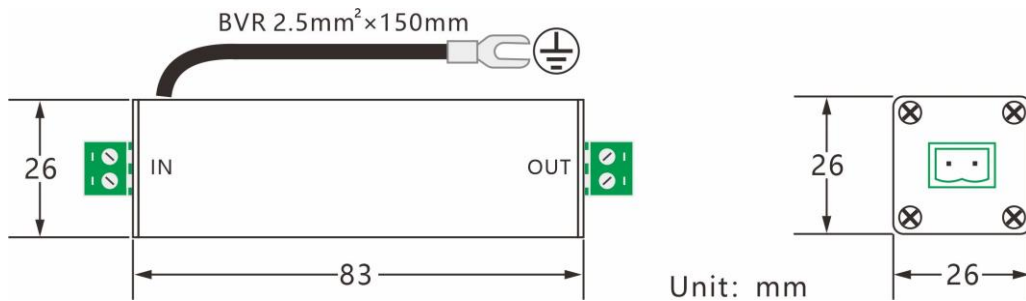
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SP-005DC10-RS485 is Control Signal Surge Protector. It is mainly used to prevent lightning and overvoltage from entering control signal equipment. It is primarily designed to protect control or data signal equipment.

Features

- ◆ Compact size with an aluminum alloy casing, anti-static
- ◆ Suitable for protecting RS485 data signals
- ◆ High discharge capacity, low residual voltage, and minimal insertion loss
- ◆ Built-in self-restoring discharge element for long service life

Dimension



Unit: mm

Note: Dimension error value ± 1 mm

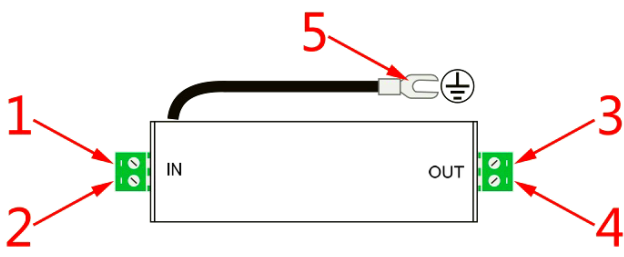
Technical Parameter

Category	Description
Working Voltage Un (V)	5
Limiting Voltage Up (V)	20
Normal Discharge Current In (kA)	5
Maximum Discharge Current I _{max} (kA)	10
Response Time (ns)	1
Insert Loss (dB)	≤0.2
Transmission Rate (bit/s)	10M
Terminal Type	2P terminal
Net Weight (g)	85
Working Temperature	-40°C ~ +80°C
Working Humidity	<95% Non-condensation

Installation Diagram



Installation Instructions

	NO	Step
	1	Connect RS485 cable to negative pole of IN (1)
	2	Connect RS485 cable to positive pole of IN (2)
	3	Connect RS485 cable of PTZ camera or control keyboard to negative pole of OUT (3)
	4	Connect RS485 cable of PTZ camera or control keyboard to positive pole of OUT (4)
	5	Connect ground lead (5) to the grounding device



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