



## RDU8DC series surge protective device



### Stable performance and sensitive response

It can be used in complex environments with high altitude and large climate change, with large flow capacity, low limiting voltage and fast response time.



### More convenient to view the working status

With working status in indicator, real-time check the status change of the surge protector, easy maintenance.



### Double insulation design, safer electricity

The product adopts double-layer electrical insulation design, which improves the safety of user operation.



### Safe and reliable lightning protection

The nonlinear characteristics of excellent varistor performance, outstanding performance, lightning protection directly can be installed communication points.

## RDU8DC series surge protective device

### Product overview

The RDU8DC series surge protector (SPD) is used to protect the power surge caused by lightning or other instantaneous overvoltage, and releases the surge current on the power line to the ground to limit the overvoltage. Suitable for industrial, construction, civil aviation, finance, telecommunications, ports, wind power and other systems of power protection, lightning and operating overvoltage to suppress its instantaneous overvoltage sub-value, discharge surge energy, protect the safety of system circuits and equipment.

### Selection guide

RDU8DC	B	20kA	2	DC500V
Product code	Protection class	Maximum discharge current	Number of poles	Maximum continuous operating voltage
Direct current surge device	B:Secondary protection	20kA 40kA	2P 3P	Front wiring (no code) Backboard connection

### Normal working conditions and installation conditions

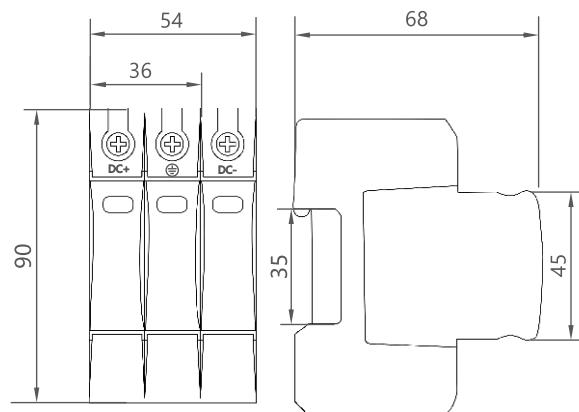
- Operating ambient temperature: -40°C~+70°C;
- Storage temperature: -40°C~+70°C;
- Altitude: Installation point elevation ≤2000m;
- The relative humidity of the atmosphere does not exceed 50% when the ambient air temperature is +40 °C, and higher relative humidity can be allowed at lower temperatures, such as 90% at 20 °C. Special measures should be taken for occasional condensation due to temperature changes;
- Pollution level: Level 2;
- Level of protection: IP20;
- Installation direction:
  - ① Vertical installation, installation surface and vertical plane in clination ≤±5°;
  - ② Horizontal installation.

## RDU8DC series surge protective device

### Maintechnical parameters

Type specification	Maximum continuous operating voltage Ucpv	Nominal discharge current In	Maximum discharge current Imax	Response time	Operating ambient temperature
RDU8DC-B20	1000VDC	10kA	20kA	$\leq 25\text{ns}$	$-40 \sim +70^\circ\text{C}$
RDU8DC-B40		20kA	40kA		

### Product outline drawing



### Installation diagram

