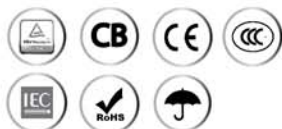


## Surge Protector DC

DC1000V surge protector  
2 pole 20KA-40KA



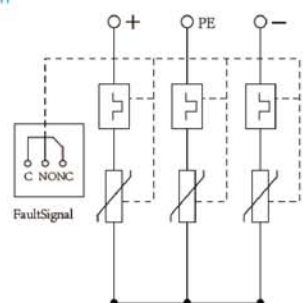
### Feature

- Adopt high quality pressure sensitive resistance with powerful function, high discharge capacity and reliable quality
- Modular design, easily to test and replace
- With remote control device, convenient for remote monitoring
- Failure indication clearly showed as red mark in monitoring window
- Short response time

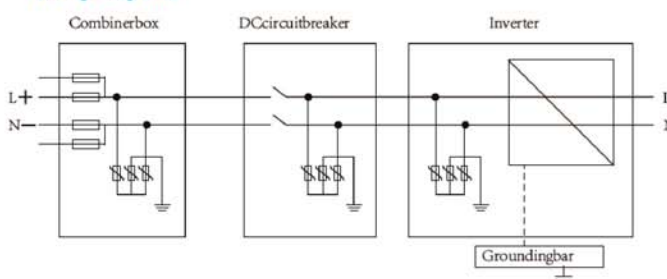
### Normal working conditions

1. Normal service condition
  - a. Altitude: 2000m
  - b. Ambient temperature: -5 ~+40 , limit range: -40 ~+70
  - c. Relative humidity: 30%~90% at 25
  - d. Current type : DC
  - e. Voltage: the voltage continuously exerting in connecting terminal should not exceed its maximum continuous operating voltage
2. Normal mounting conditions
  - a. Inclination angle: 5
  - b. At place without obvious shake and impulsive vibration
  - c. At places without explosive risk, without gases or conducting dust that may be corrosive to metal or cause damage to the insulation.
3. Normal storage and transport conditions
  - a. Range of temperature: -40 ~+70
  - b. Relative humidity (at +25 ): 90%
  - c. Handle with care and avoid violent collision during transportation

### Schematic diagram



### Wiring Diagrams



### Main technical specification parameters

PV DC-specific (IEC61643-1/EN61643-11)	
Pole	2P
Electrical Parameter	
Classified test	2
Uoc max(VDC)	500/800/1000
Uc(VDC)	500/800/1000
In(8/20)us(kA)	20
I <sub>max</sub> (8/20)us(kA)	40
Up(kV)	20
Remote signal contact	maximum working voltage(V) : 250AC/30VDC maximum working current(A) 1A(250V/AC) : 1A(250V/AC) 1A(30VDC) : 1A(30V/AC)

### Wiring and installation

Wiring capacity(mm <sup>2</sup> )	Hard wire : 4-25, Flexible wire : 4-16
Stripping length(mm)	10
Terminal screw	M5
Torque(Nm)	Main circuit : 3.5 Remote signal contact : 0.25
Protection class	All profile : IP40 Connection port : IP20

### Installation environment

Altitude(m)	≤2000
Working Temperature(°C)	-30~+70
Relative humidity	30%~90%
How to Install	Installed with H35-7.5/DIN35 steel mounting rail
Size(mm)(WxHxL)	W36 x H90 x L67.6
Weight(kg)	0.24

### Order Part Number

004101 DC1000V surge protector  
2 pole 20KA-40KA