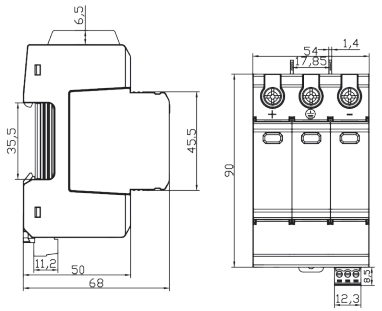
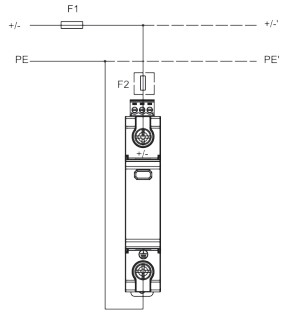
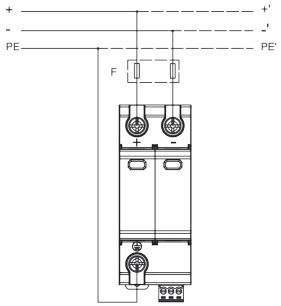
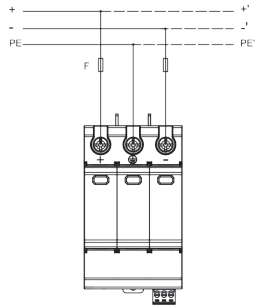








7. Package list

Quality certificate 1pc

User manual 1pc

Pack list 1pc

8. Following specification can customized

Nominal discharge current: 10kA Max discharge current: 20kA

Nominal discharge current: 30kA Max discharge current: 60kA

Nominal discharge current: 40kA Max discharge current: 80kA

LEEYEE®

DC surge protective device

User manual

1.Usage and application range

DC surge protective device is widely used in Induction thunder and influnce of direct lightning or other transient overvoltagesurge protection,to protect Dcpower system,photovoltaic system,wind power generation and other industrial Dcpower equipment safeto use.

2. Normal working condition

2.1 Above sea level no more than 3000meters.

2.2 Temperature : -40℃~+85℃.

2.3 Relative humidity: less than 95%.

3. Model selection

□ □ / □ □ □

Selectable: C: lightning counter S: Remote signal

Max continuous working voltage(V DC)

Max discharge current(kA)

Protection degree(B,C,D)

Surge protective device

4. Features

4.1 Nice outlooking, module design, plugable type, easy to replace.

4.2 Has over-heat protection function to avoid of fire happening.

4.3 Working status indicate, green means normal, red means fault

Response time <25ns, large discahrge capacity, low residual voltage.

4.4 No need power off can change module.

4.5 Standard 35mm DIN rail installation.

5. Specification details

Nominal discharge current In(kA)	Max discharge current Imax(kA)	Max continuous working voltage Uc(V DC)	Voltage protection level Up(kV)	Response time Ta(ns)	Wire size	Installation type	Indicate window	Leakage current (μA)	Poles
20kA	40kA	15	0.4	<25	4-6 mm²	35mm din rail	Green means normal Red means fault	≤20	1P 2P 3P
		36	0.4						
		60	0.6						
		75	0.8						
		100	0.8						
		120	0.8						
		150	0.8						
		200	1.5						
		220	1.5						
		240	1.5						
		350	1.5						
		500	1.8						
		600	2.2						
		800	2.9						
		1000	3.6						
		1200	3.8						
		1500	5. 6						
		1800	6.8						

6. Installation instruction

6.1 Do power off before installation, forbidden to operation on power.

6.2 Before surge protective device please in series fuse or circuit breaker.

6.3 Installation should by professional person, during wiring, please conect ground wire in advance.

6.4 Insert module into place after finish installaion, and check surge protective device wheter in normal work, if window shows green, means work fine.If window turns red means falut, please stop to use.

6.5 During usage, please check widnow timely, when window shows red or remote signal output alarm, please stop to use.

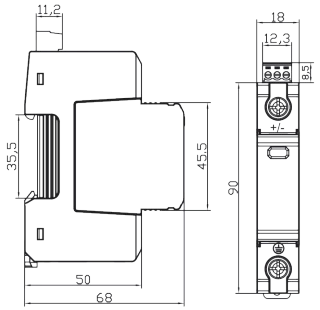
6.6 Please wiring according to wiring diagramer, wire section no less than standard requirement, and should be as leveler, straighter and shorter as possible.

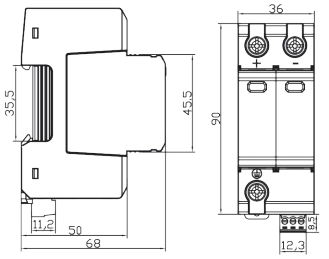
6.7 Please use this surge protective device in DC power line only.

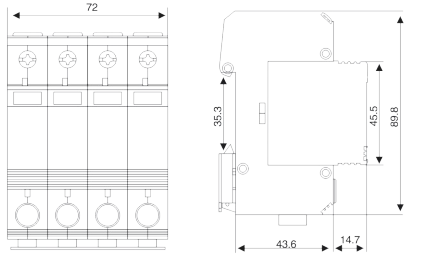
6.8 Remote terminal is optional, and C+NO means normally open, C+NC means normally closed, C means common contact.

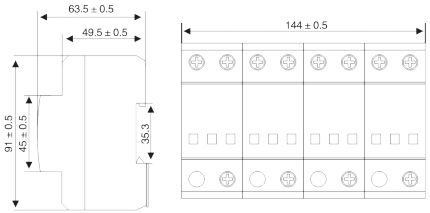
6.9 Lightning counter can note lightning number of times, this is optional according to requirement.

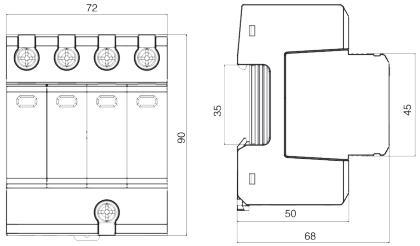
7. Dimention and wiring diagrammer



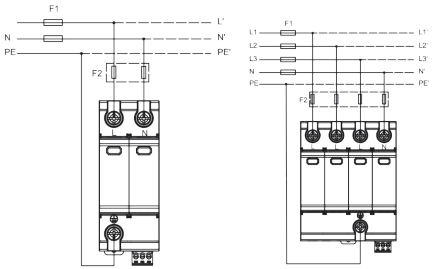


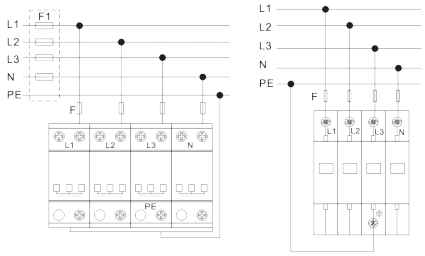






7. Installation diagrammer





8. Packing list

8.1 Product certificate 1pc

8.2 User manual 1pc

8.3 Packing list 1pc

LEEYEE®

AC Surge Protective Device

User manual

1. Usage and application range

1.1 Surge protective device(SPD) suits for low voltage AC power distribution system. It was parallelled between the AC power supply and system equipment, and has a strong current discharge capability, to protect the equipment damage against transient overvoltage which was caused by lightning overvoltage or operating overvoltage.

1.2 Normal working condition

1.2.1 Altitude does not exceed 3000 meters.

1.2.2 Temperature: -40℃～85℃.

1.2.3 Relative humidity: less than 95%.

2. Model selection

□ - □ / □□

- Max. discharge current(kA)
- Protection degree(B, C, D)
- Surge protective device

3. Features

3.1 Change module no need power off.

3.2 Nice outlooking, module design, plugable type, easy to replace.

3.3 Has over-heat protection function, low residual voltage.

3.4 Window color shows working status, greean means normal, red means fualt.

3.5 Remote signal terminal function selectable,

C+NC means normally close,

C+NO means normally open,

C means common contact.

3.6 35mm standard DIN rail installation.

3.7 Response time less than 25ns.

4. Specification details

Type	Rated working voltage Un(V AC)	Max. continuous working voltage Uc(V AC)	Nominal discharge current (kA)	Max. discharge current (kA)	Voltage protection level(kV)	Response time (ns)	Leak current ((μA)
20kA	220/380	275	10	20	1.2	≤25	≤20
		385	10	20	1.5		
		420	10	20	1.5		
		440	10	20	1. 5		
40kA		385	20	40	1.8		
		420	20	40	2.0		
60kA		385	30	60	2.1		
		420	30	60	2.4		
80kA		385	40	80	2.2		
		420	40	80	2.5		
100kA		385	60	100	2.5		
		420	60	100	2.5		
120kA		385	60	120	2.5		
		420	60	120	2.5		
150kA		385	80	150	3.2		
		420	80	150	3.2		
NPE Module	220	255	10	20	1.2	≤100	
			20	40	1.4		
			30	60	1.6		
			40	80	2.0		
			60	100	2.2		

5. Installation instruction

5.1 Do power off before installation, forbiden to operation on power.

5.2 Before surge protective device please in series fuse or circuit breaker.

5.3 Installion should by proessional person, during wiring, please connect ground wire in advance.

5.4 Insert module into place after finish installation, and check surge protective device whether in normal work, if window shows green this means work fine. If window turn red means fault, please stop to use.

5.5 During the use of the protector, it should regularly check and check the status of the fault display window. When the fault display window is red or the remote signal terminal outputs an alarm signal, the protector is no longer available and should be repaired or replaced in time.

5.6 Please wiring according to wiring diagrammer, wire section no less than standard requirement, and shoudl be as straighter and shorter as possible.

6. Dimention