

YCS6 DC Series


Surge Protection Device

OPERATION INSTRUCTION

Standard: **IEC61643-1**

CNC

Deliver
Power For Better Life

-  Before installing and using this product, please read this manual carefully and pay more attention to safety.

YCS6 DC series Surge protective device is widely used in Induction thunder and influence of direct lightning or other transient overvoltage surge protection, to protect DC power system, photovoltaic system, wind power generation and other industrial DC power equipment safe to use.

2. Normal working condition

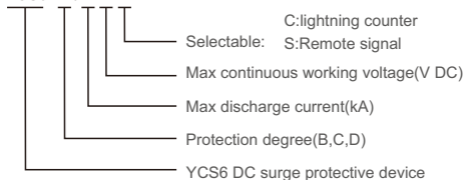
2.1 Above sea level no more than 3000meters.

2.2 Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.

2.3 Relative humidity: less than 95%.

3. Model selection

YCS6-□/□□□



4. Features

4.1 Nice outlook, module design, pluggable 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 $< 25\text{ns}$, large discharge capacity, low residual voltage.

4.4 No need power off can change module.

4.5 Standard 35mm DIN rail installation.

5. Specification details

Normina 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 (μ A)	Poles
20kA	40kA	15	0.4	<25	4-6mm ²	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						
		160	0.8						
		200	1.5						
		220	1.5						
		240	1.5						
		350	1.5						
		500	1.8						
		690	2.2						
		800	2.9						
		1000	3.6						
1200	3.8								
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 connect ground wire in advance.

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

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

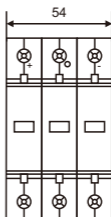
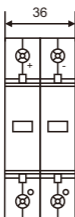
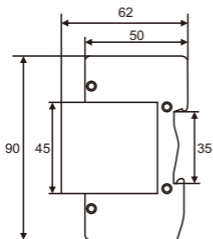
6.6 Please wiring according to wiring diagram, wire section no less than standard requirement, and should be as level, straighter and shorter as possible.

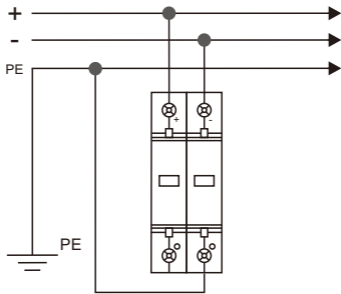
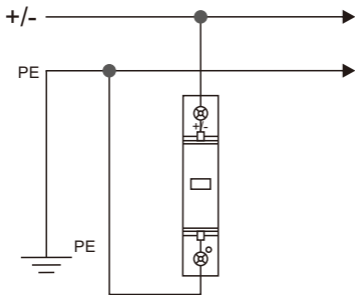
6.7 Please use this surge protective device in DC power line only.

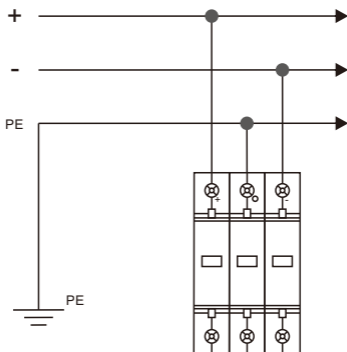
6.8 Remote terminal is optional, and C+NO means normally open, C+NC means normally closed, C means common contact.

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

7. Dimension and wiring diagrammer







8.Package list

Quality certificate 1pc

User manual 1pc

Pack list 1pc

9.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



CERTIFICATE

Product Model: YCS6 DC Series

Standard : IEC61643-1

Inspector : CNC 001

Production date: Printed on the product
or package.

This product is qualified according
to the delivery inspection

CNC

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CNC ELECTRIC

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