

# YCS6-C Surge Protection Device



## General

YCS6-C series Surge Protection Device is suitable for TT, IT, TN-S, TN-C and TN-C-S, the power supply system with the rated voltage up to 230/400V and AC 50/60Hz. It can work as the equipotential bonding when the lightning strike. Its design corresponds to IEC61643-1.

The product is mainly applied to protect the low voltage electric equipment and prevent the surge causing by the thunder or switching overvoltage. As a univoltage limiting device, YCS6-C is equipped with the heavy-duty Zinc Oxide piezoresistor.

YCS6-C series (Protection level: II) Protection Device need to be installed on the up link of the equipment, connecting with outer conductor(L) or neutral conductor(N) and the earthing device. Users can install the YCS6-C in the boundary of LPZOA or LPZ1, usually in the incoming line low voltage main distribution box.

## Specifications

Parameters	Product Model		YCS6-C			
Rated Operating Voltage Uc(V~)	110V	220V	380V	220V	380V	
Maximum Continuous Operating Voltage Uc(V~)	140V	275V	320V	385V	420V	440V
Voltage Protection Level Up(V~)kV	≤0.8	≤1.2	≤1.5	≤1.8	≤2.0	≤2.2
Nominal Discharge Current In(8/20μs)kA	20			15		
Maximum Discharge Current Imax(8/20μs)kA	40			30		
Response Time ns	< 25					
Test Standard	IEC61643-1					
L/N(mm2)The Cross Section of L/N Line	2.5					
PE(mm2)The Cross Section of PE Line	6					
Fuse or Switch(A)	32A			25A, 32A		
Operating Environment°C	-40°C~+85°C					
Relative Humidity(25°C)	≤95%					
Installation	Standard Rail 35mm					

## Overall and mounting dimensions(mm)

