



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, GB18802.1 and GB50057.

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~)	275V 275V 320V 385V 420V 440V 275V 320V 385V 420V 440V										
Voltage Protection Level Up(V~)kV	≤1.8 ≤1.2 ≤1.5 ≤1.8 ≤2.0 ≤2.2 ≤1.0 ≤1.4 ≤1.5 ≤1.8 ≤2.0										
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℃	-40℃ ~ +85℃										
Relative Humidity(25℃)	≤95%										
Installation	Standard Rail 35mm										

Overall and mounting dimensions(mm)

