

ANT1-(C)8 series Wide Surge Protective Device (SPD)

Application Scope and Installation Position

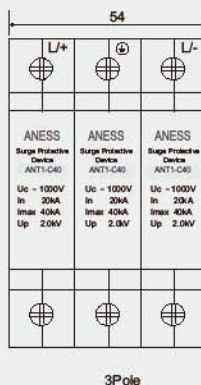
ANT1-(C)8 series solar surge protective device is suitable for the new energy solar power generation system, its working voltage covers 500V, 800V and 1000V. It is installed in the main power system at DC circuit, to protect against the indirect lightning current, direct lightning current or other instantaneous over voltage.



Product Features

- ◆ Plug in/out style surge protective device,
- ◆ The color of visible windows shows operating status
- ◆ Double protection of over-heat and over-current
- ◆ Have the accessor of remote signalling interface, could be remote control.

Dimension



Main Technical Parameters

	500V DC Power Lightning protection module	800V DC Power Lightning protection module	1000V DC Power Lightning protection module
Series No.	ANT1-(C)8	ANT1-(C)8	ANT1-(C)8
Speci-fications	2 P 36mm	2 P 36mm	2 P 36mm
Nominal capacity the flow In(kA 8/20 μ s)	20	20	20
Maximum flow capacity I _{max} (kA 8/20 μ s)	40	40	40
Protection level (kV)	2.2	2.4	2.6
Response time (ns)	25	25	25
Rated Voltage (VDC)	500	800	1000
Continuous to work Voltage (VDC)	550	880	1100
Leakage current 0.75U _{1mA} (μ A)	≤ 20	≤ 20	≤ 20
Working temperature(°C)	-40~+85	-40~+85	-40~+85

Installation instructions

- ◆ Before installing, you must cut off the power supply. don't operate in the charged state.
- ◆ We suggest a fuse or automatic circuit breaker should be connected in series before the lightningproof module.
- ◆ In installing, please connect with the installation diagram, as shown in diagram, "+"represents the anode wire. "-"Represents the cathode wire, PE represents the earthing wire, the wrong connection is unallowable. After the installation is finished, turn on the switch of autom atic circuit breaker (or fuse), to check whether the working state is normal or not.
- ◆ After the installation is completed, insert the module properly, and check whether the lightningproof module works normally or not.
- ◆ In the period of using the lightningproof module, inspect, test and view the fault display window state regularly, when the fault display window is red or the remote-signalling terminal outputs the alarm signal, this means the lightningproof module has the fault, you shall repair or change it in time.
- ◆ The parallel power lightningproof module shall be installed in parallel, the wire shall be short, thick and straight, connected firmly and reliably.