



LY7/8 series surge protection device



LY1-(C)7 series surge protective device is suitable for the new energy wind/solar power generation system, its working voltage covers 500V, 800V, 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:

1. Plug in/out style surge protective device.
2. The color of visible window shows operating status.
3. Double protection of over-heat and over-current.
4. Have the accessory of remote signaling interface, could be remote control.

Installation and usage:

1. Before installing, you must cut off the power supply, don't operate in the charged state.
2. We suggest a fuse or automatic circuit breaker should be connected in series before the lightning proof module.
3. 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 automatic circuit breaker (or fuse), to check whether the working state is normal or not.
4. After the installation is completed, insert the module properly, and check whether the lightning proof module works normally or not.
5. In the period of using the lightning proof 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 lightning proof module has the fault, you shall repair or change it in time.
6. The parallel power lightning proof module shall be installed in parallel, the wire shall be short, thick and straight, connected firmly and reliably.

Model	Specifications	Nominal capacity the flow in (KA 8/20 μ s)	Maximum flow capacity I _{max} (KA 8/20 μ s)	Protection level (KV)	Response time (ns)	Rated voltage (VDC)	Continue to work voltage (VDC)	Leakage current 0.75U I _{ma} (μ A)	Working temperature ($^{\circ}$ C)
LY1-C40 500V DC	2piece 36mm	20	40	2.2	25	500	550	≤ 20	-40 $^{\circ}$ C~85 $^{\circ}$ C
LY1-C40 800V DC	2piece 36mm	20	40	2.4	25	800	880	≤ 20	
LY1-C40 1000V DC	3piece 54mm	20	40	2.6	25	1000	1100	≤ 20	

Dimension:

