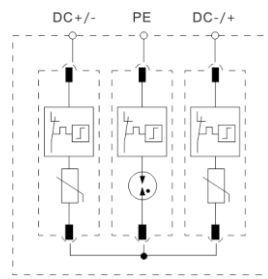


## Combination type – CLASS I+II

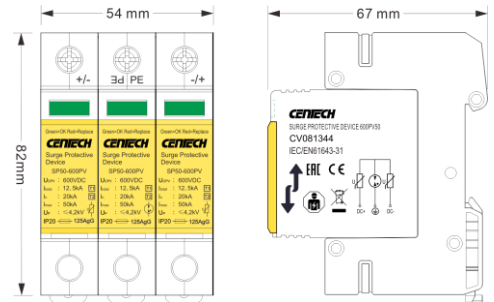
## SP50-600PV (CV081344)



Outside drawing



3P(MOV+GDT+MOV)



Dimension drawing

DC Surge protection devices N8UP1+2 are suitable for photovoltaic applications. These SPDs are designed and tested according PV T1+2 class from EN 61643-31 standard.

Indication front window helps users to know the status of device and remote-signal port is able to provide remote indication and alarm.

Plug-in module design make it convenient to change module without device disconnection.

- DC Surge Protection Devices suitable for Photovoltaic systems
- Maximum discharge current  $I_{max}$  50 kA (8/20 $\mu$ s)
- Impulse discharge current  $I_{imp}(total)$  12.5 kA (10/350  $\mu$ s waveform)
- For grounded and ungrounded PV systems
- Fault indication by red indication flag in window
- With remote alarm terminal optional

Part No.	SP50-600PV
In accordance with	EN/IEC61643-31
Category IEC/VDE	I + II/ B + C
Max. continuous operating voltage $U_c$ (DC)	600V DC
Nominal discharge current(8/20) $I_n$	20kA
Max. discharge current(8/20) $I_{max}$	50kA
Lightning impulse current(10/350) $I(t)_{total}$	12.5kA
Voltage protection level @ $I_n$	<4,2kV
Response time	$\leq 25$ ns
Follow current	No
Backup fuse(only required if not already provided in mains)	125A gL/gG
Operating temperature range	- 40°C ~ + 80°C
Cross-section of connection wire	Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>
Torque applied by the screws	2.0-2.5 Nm
Mounting	35mm DIN-rail in accordance with EN 50022/DIN46277-3
Enclosure material	thermoplastic; extinguishing degree UL94 V-0
Housing protection level	IP20
Installation width	3 modules, DIN 43880
Thermal disconnecter	Internal green – normal ; red - failure
Remote alarm contact	Optional feature
Additional data for Remote Alarm Contacts	Closed and open 1.5mm <sup>2</sup> / 0.5 Nm ,max
Remote alarm contact type	Isolated Form C
Switching capability $U_n/I_n$	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of connecting wire	Max. 1.5mm <sup>2</sup> (or # 16AWG)