

PRODUCT DATASHEET GSP9-C40PV 600V DC 1000V DC Surge protective device

Application

This DC surge protective device is applied low voltage standard IEC/EN 61643-11 to protect against DC power line system and other equipment from over voltage and instantaneous over voltage damage. Widely used in photovoltaic combi box, power inverter, DC distribution cabinet etc. It has advantages of large discharge current, fast response time, low residual voltage. Max. PV voltage up to UCPV $\leq 1000V$ dc.

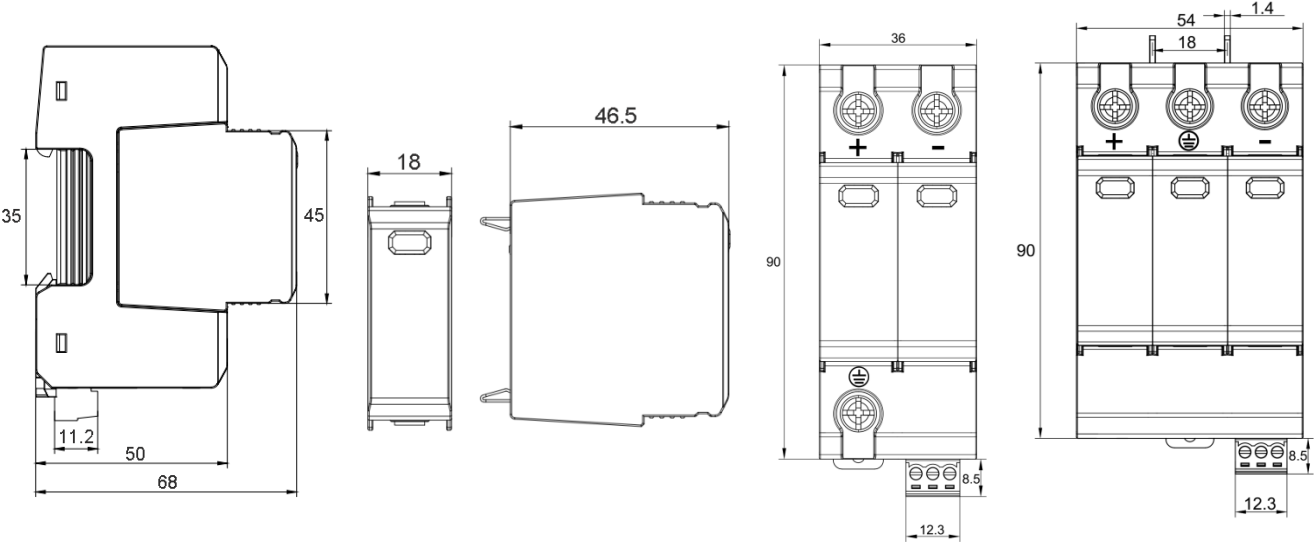
Main features

1. High discharge capacity, quick response, plugged module.
2. Fast response time, din rail installation.
3. Double thermal disconnection devices, provide more reliable protection.
4. Green window means normal, red means defect, need to change module.
5. Remote signaling contact optional.
6. T1+T2 surge protection.

Technical parameter

Model	GSP9-C40PV	
Test standard	IEC/EN 61643-11;GB18802.11	
SPD type	T1+T2/Class I+ II	
Max. PV voltage [Uc pv]	600V DC	1000V DC
Nominal discharge current (8/20 μ s)	20kA	
Maximum discharge current(8/20 μ s)	40kA	
limp current (10/350 μ s)	6.25kA	
Poles	2P	2P/3P
Voltage protection level Up pv	2.6kV	3.6kV
Response time Ta	25ns	
Connection wire specification	4mm ² (L/N); 6mm ² (PE)	
Mounting	35mm Din Rail	
Matched fuse or circuit breaker	32A	
Type of remote signaling contact (Optional)	C+NC: Normally closed	
	C+NO: Normally open	
	C: Common contact	
Max. Voltage/Current for remote signaling	1A/2A/3A 125V AC	
Wiring for remote signaling	1.5mm ² max.	
Operating temperature	-40°C to +80°C	
Shell material	UL94-V0 fireproof material	

Dimension details (unit: mm)



Installation Diagram(2P&3P)

