• 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 comber box, power inverter, DC distribution cabinet etc. It has advantages of large discharge current, fast respond time, low residual voltage. Max. PV voltage up to UCPV ≤1500V DC.

• Main Features •

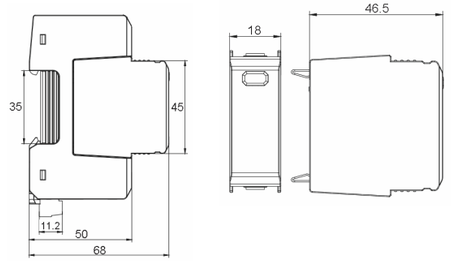
- High discharge capacity, quick response, module pluggable;
- Fast response time, din rail installation;
- Double thermal disconnection devices, provide more reliable protection;
- Green window means normal, red means defect, need to change module;
- Remote alarm terminal optional.
- T1+T2 surge protection.

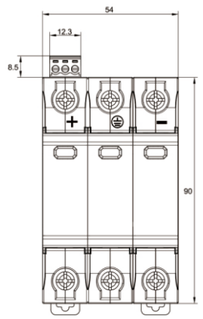
Technical Parameter

Model	GSP9-C40PV
Test standard	IEC/EN 61643-11;GB 18802.11
SPD type	T1+T2/I+ IIC
Max. PV operating voltage(Uc)	1500V DC
Nominal discharge current(8/20μs)	20KA
Max.discharge current(8/20us)	40kA
limp current(10/350μs)	6.25kA
Poles	3P
Voltage protection level Up PV	≤5.6kV
Response time Ta	25ns
Connection wire specification	4mm²(L/N);6mm²(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	1.5mm² max.
Operating temperature	-40°C to +85°C

• Dimension details • (Remote terminal optional)

Unit: mm





• Wiring diagram • (3P)