



GSP9-C40PV
600V 1000V DC

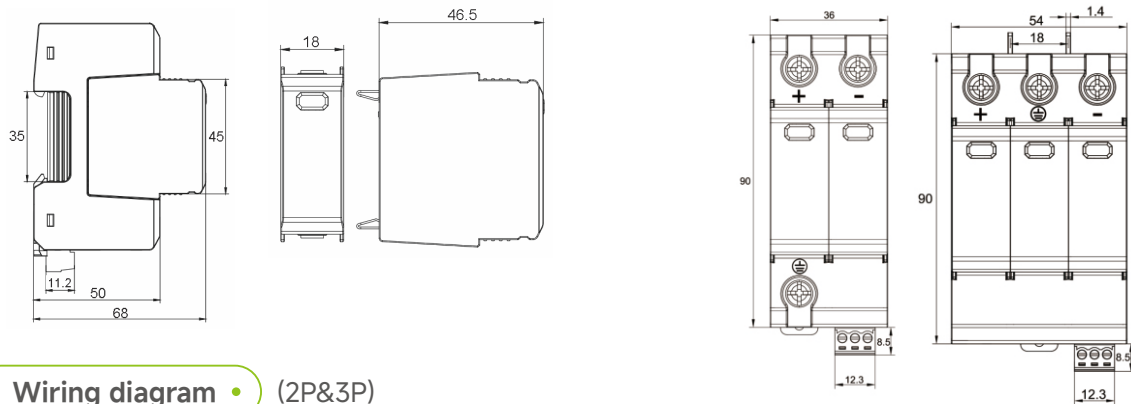
Surge
Protective
Device

Technical Parameter

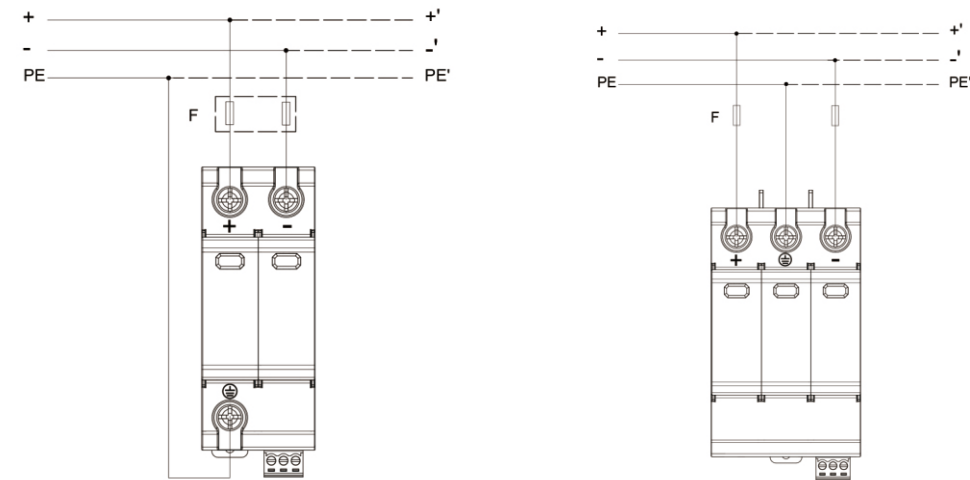
| Model | GSP9-C40PV |
|--|---|
| Test standard | IEC/EN 61643-11;GB 18802.11 |
| SPD type | T1+T2/I+ IIC |
| Max. PV operating voltage(Uc) | 600V DC 1000V DC |
| Nominal discharge current(8/20μs) | 20KA |
| Max.discharge current(8/20us) | 40kA |
| limp current(10/350μs) | 6.25kA |
| Poles | 2P 2P/3P |
| 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 +85°C |

Unit: mm

• Dimension details • (Remote terminal optional)



• Wiring diagram • (2P&3P)



• 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 ≤1000V 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.