

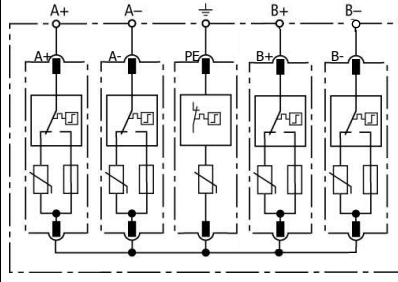


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|---|---|--|---|
|  <p>DG MOD STRING 500 Plug-in position: A+, A-, B+, B-</p> |  <p>DG MOD PE 500 Plug-in position: PE</p> |  <p>Basic circuit diagram</p> | <p>Description: Type 2 surge arrester, input A and B (set with 5 arresters) Part No.: DC_SPD_KIT_2-10</p> |
|---|---|--|---|

For use in Sunny Tripower PV inverters, SMA Solar Technology AG

- For base part DG BAS 5 PCB
- Surge arrester according to EN 61643-11/IEC 61643-1: Type 2 / Class II
- Protection module comprising a varistor connected in parallel with a short-circuiting device with integrated fuse
- Total discharge current of max. 40 kA
- Easy replacement of protection modules without tools due to module locking system with module release button

Electrical data:

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|--|----------|
| SPD according to EN 61643-11 | Type 2 |
| SPD according to IEC 61643-11 | Class II |
| Max. PV voltage [U _{CPV}] | ≤ 1000 V |
| Max. continuous operating d.c. voltage [(A+/A-/B+/B-) -> PE] [U _C] | 500 V |
| Total discharge current (8/20) [I _{total}] | 40 kA |
| Nominal discharge current (8/20) [(A+/A-/B+/B-) --> PE] [I _n] | 12.5 kA |
| Max. discharge current (8/20) [(A+/A-/B+/B-) --> PE] [I _{max}] | 25 kA |
| Voltage protection level [U _p] | ≤ 4 kV |
| Voltage protection level at 5 kA [U _p] | ≤ 3.5 kV |
| Response time [t _A] | ≤ 25 ns |

General data:

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|----------------------------------|-------------------------------|
| Operating temperature range | -40°C...+80°C |
| Operating state/fault indication | green / red |
| Number of ports | 1 |
| For mounting on | base part DG BAS 5 PCB |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Degree of protection | IP 20 in DG BAS 5 PCB |

| Description | Part No. |
|--|-----------------|
| Type 2 d.c. surge arrester, input A and B (set with 5 arresters) | DC_SPD_KIT_2-10 |