
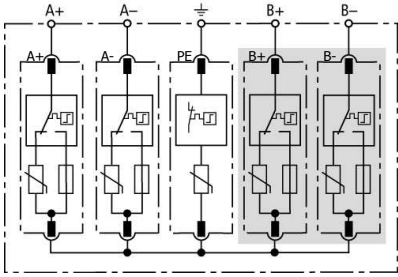
 <p>DG MOD STRING 500 Plug-in position: A+, A-, B+, B- not applicable for DCSPD KIT1-10</p>	 <p>DG MOD PE 500 Plug-in position: PE</p>	 <p>Basic circuit diagram</p> <p style="font-size: small;">B+, B- not applicable for DCSPD KIT1-10</p>	<p>Description: Type 2 surge arrester, input A and B (set with 5 arresters) Part No.: DCSPD KIT2-10</p>
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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:

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:

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)	DCSPD KIT2-10
Type 2 d.c. surge arrester, input A (set with 5 arresters)	DCSPD KIT1-10