

SURGE PROTECTORS FOR PHOTOVOLTAIC SYSTEMS

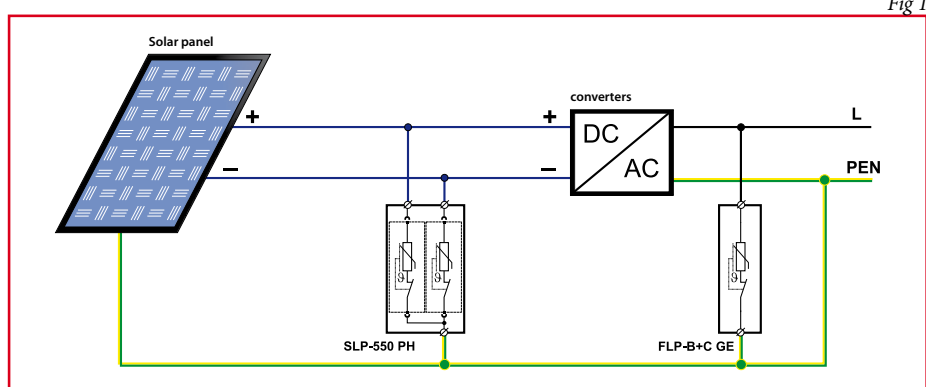


- tested according to the requirements of EN 61643-11 (type 2) standard
- nominal discharge current 20 kA (8/20 μs)/pole
- maximum discharge current 40 kA (8/20 μs)/pole
- visual status indication
- optional remote status indication

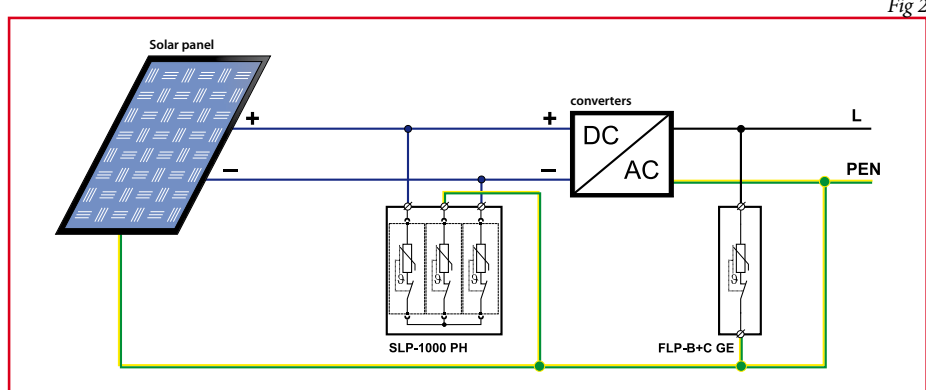
SURGE PROTECTORS FOR PHOTOVOLTAIC SYSTEMS

Applications

SLP-550 PH



SLP-1000 PH



The new SALTEK type 2 surge protections are specially designed for installation in the direct current circuits of photovoltaic/solar systems at the boundary of the LPZ $0_B - 1$ zones and higher. In conjunction with the FLP-B+C GE, they ensure complete overvoltage protection of these systems.

These high-performance surge protections are able to divert up to 40 kA/pole in a wave of 8/20 μ s.

Two versions of protections are available: Two-pole, which are usually installed in 2+0 mode connection (Fig. 1) and three-pole, designed for connection in 2+1 mode (Fig. 2).

Overvoltage protectors comprise:

- highly efficient varistors with thermal disconnecter,
- visual failure status indication,
- optional remote status indication ("S" version) with potential-free contact.



Models supplied	U_c (system)	U_c (per pole)	I_n (8/20 μ s)	I_{max} (8/20 μ s)	U_p (L+ \rightarrow L-)	U_p (L+/L- \rightarrow PE)
SLP-100 PH	100 V DC	100 V DC	15 kA	40 kA	0,8 kV	0,4 kV
SLP-500 PH	500 V DC	500 V DC	20 kA	40 kA	3,6 kV	1,8 kV
SLP-800 PH	840 V DC	420 V DC	20 kA	40 kA	3,0 kV	3,0 kV
SLP-1000 PH	1000 V DC	500 V DC	20 kA	40 kA	3,6 kV	3,6 kV

Other types available on request

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