

FLP-PV550 V/U S

SPD - for DC and PV / SPD PV type 1 / MOV

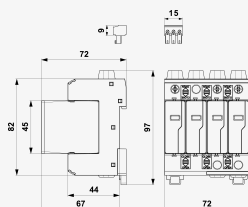
Lightning current arrester and surge arrester for PV systems

pluggable module, visual fault signalling, module locking, remote fault signalling

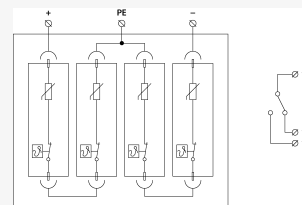
- varistor lightning current arrester and surge arrester in 'U' connection
- for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS)
- maximum continuous operating voltage for PV application: $UCPV \geq 1.2 \times UOC\ STC$



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value |
|---|------------------------------|
| Type of SPD | PV T1, PV T2 |
| Mounting | DIN rail 35 mm |
| Maximum operating voltage mode +/-PE, -/PE | U_{CPV} 560.00 V DC |
| Short-circuit current rating | I_{SCPV} 10 000 A DC |
| Residual current mode +/-PE, -/PE | I_{PE} 0.500 mA AC |
| Residual current mode +/-PE, -/PE | I_{PE} 0.010 mA DC |
| Total discharge current (10/350 μ s) | $I_{Total(10/350)}$ 25.00 kA |
| Lightning impulse current (10/350 μ s) | I_{imp} 12.50 kA |
| Total discharge current (8/20 μ s) | $I_{Total(8/20)}$ 120.00 kA |
| Nominal discharge current (8/20 μ s) | I_n 30.00 kA |
| Maximum discharge current (8/20 μ s) | I_{max} 60.00 kA |
| Voltage protection level mode +/- | U_p 4.80 kV |
| Voltage protection level mode +/-PE, -/PE | U_p 2.40 kV |
| Response time | t_a 25 ns |
| Cross-section of connected conductors solid (min) | 1.00 mm ² |
| Cross-section of connected conductors solid (max) | 35.00 mm ² |

| | |
|--|------------------------------------|
| Cross-section of connected conductors stranded (min) | 1.00 mm ² |
| Cross-section of connected conductors stranded (max) | 25.00 mm ² |
| Cross-section of remote indication conductors solid (max) | 1.5 mm ² |
| Cross-section of remote indication conductors stranded (max) | 1.5 mm ² |
| Fault indication | red indication field |
| Remote indication | potential-free change-over contact |
| Remote indication contacts | 250V/0,5A AC,250V/0,1A DC |
| Degree of protection | IP 20 |
| Range of ambient temperatures (min/max) | -40 / 80 °C |
| According to standard | EN 61643-31, IEC 61643-31 |
| ETIM Class | EC001457 |
| Plug module | FLP-PV275U V/0 |
| Customs tariff number | 85363090 |
| EAN | 8595090561460 |
| Order number | A06146 |