# FLP-PV550 V/U

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

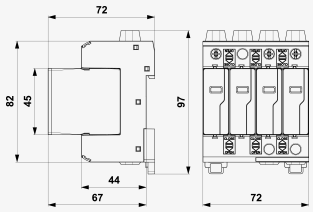
Lightning current arrester and surge arrester for PV systems

pluggable module, visual fault signalling, module locking

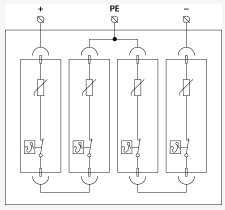
- varistor lightning current arrester and surge arrester in 'U' connection
- for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS)
- maximum continuous operating voltage for PV application: UCPV ≥ 1.2x UOC STC



**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 µs) | $I_{Total(10/350)}$ | 25.00 kA |
| Lightning impulse current (10/350 µs) | $I_{imp}$ | 12.50 kA |
| Total discharge current (8/20 µs) | $I_{Total(8/20)}$ | 120.00 kA |
| Nominal discharge current (8/20 µs) | $I_n$ | 30.00 kA |
| Maximum discharge current (8/20 µs) | $I_{max}$ | 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 $mm^2$** |
| Fault indication | **red indication field** |
| 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 | **8595090561453** |
| Order number | **A06145** |