# FLP-PV1500/YS

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

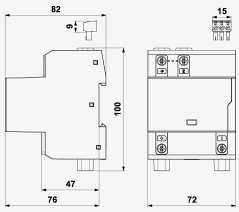
Lightning current arrester and surge arrester for PV systems

visual fault signalling, remote fault signalling

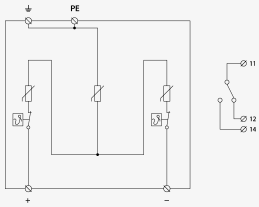
- varistor lightning current arrester and surge arrester in 'Y' connection
- for protection of PV systems on the roofs, where the separating spark-over distance is not kept (connection to LPS)
- maximum continuous operating voltage for PV application: UCPV ≥ 1.2x UOC STC



### 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 | $U_{CPV}$ | 1 500.00 V DC |
| Short-circuit current rating | $I_{SCPV}$ | 10 000 A DC |
| Residual current mode +/PE, -/PE | $I_{PE}$ | 0.100 mA AC |
| Residual current mode +/PE, -/PE | $I_{PE}$ | 0.010 mA DC |
| Total discharge current (10/350 µs) | $I_{Total(10/350)}$ | 12.50 kA |
| Lightning impulse current (10/350 µs) | $I_{imp}$ | 6.25 kA |
| Total discharge current (8/20 µs) | $I_{Total(8/20)}$ | 80.00 kA |
| Nominal discharge current (8/20 µs) | $I_n$ | 20.00 kA |
| Maximum discharge current (8/20 µs) | $I_{max}$ | 40.00 kA |
| Voltage protection level mode +/- | $U_p$ | 5.40 kV |
| Voltage protection level mode +/PE, -/PE | $U_p$ | 5.40 kV |
| Response time | $t_a$ | 25 ns |
| Cross-section of connected conductors solid (min) | | 4.00 $mm^2$ |
| Cross-section of connected conductors solid (max) | | 35.00 $mm^2$ |

| | |
|---|---|
| Cross-section of connected conductors stranded (min) | 2.50 $mm^2$ |
| 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 |
| Customs tariff number | 85363090 |
| EAN | 8595090541974 |
| Order number | A04197 |