

FLP-PV700 V/U S

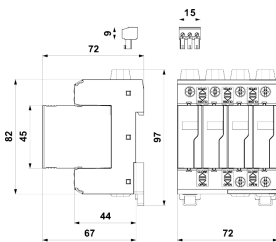
Ordering number 8595090536758

SPD PV type 1 and type 2 - Lightning Current Arrester for PV systems

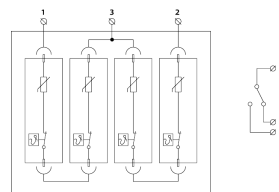
For installation in the DC circuits of solar photovoltaic systems. Remote status signaling (S). Maximum continuous operating voltage for PV application: $U_{cpv} \geq 1,2x U_{OC\ STC}$.



Dimension drawing



Basic circuit diagram



Technical specifications

| Type of SPD | | PV T1, PV T2 |
|--|---------------------|------------------------------------|
| Maximum operating voltage mode 1/3, 2/3 | U_{CPV} | 700 V DC |
| Total discharge current (10/350 μ s) | $I_{Total(10/350)}$ | 25,00 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 1/2 | U_p | 4,80 kV |
| Voltage protection level mode 1/3, 2/3 | U_p | 2,40 kV |
| Short-circuit current rating | I_{SCPV} | 1 000 A DC |
| 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 |
| Remote indication | | potential-free change-over contact |
| Remote indication contacts | | 250V/0,5A AC, 250V/0,1A DC |
| Cross-section of remote indication conductors | | 1,5 mm ² |
| Degree of protection | | IP 20 |
| Range of operating temperatures - min | | -40 °C |
| Range of operating temperatures - max | | 80 °C |
| Mounting | | DIN rail 35 mm |
| According to standard | | EN 50539-11:2013 |
| Plug module | | FLP-PV350U V/0 |
| ETIM Class | | EC001457 |