

# SLP-PV170

Ordering number 8595090536628

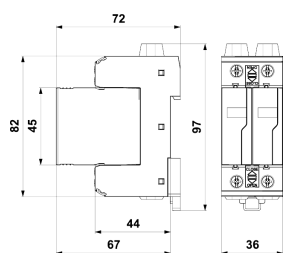
## SPD PV type 2 - Surge Arrester for PV systems

replaceable module, visual fault signalling, blocking module

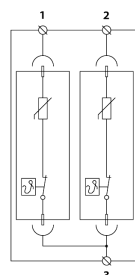
For installation in the DC circuits of solar photovoltaic systems. Remote status signaling (S). Maximum continuous operating voltage for PV application:  $U_{cpv} \geq 1,2x UOC\ STC$ .



### Dimension drawing



### Basic circuit diagram



### Parameters

|   |            |                       |
|---|------------|-----------------------|
| <b>Type of SPD</b>  |            | PV T2                 |
| <b>Maximum operating voltage mode 1/2</b>                   | $U_{CPV}$  | 250 V DC              |
| <b>Maximum operating voltage mode 1/3, 2/3</b>              | $U_{CPV}$  | 170 V DC              |
| <b>Nominal discharge current (8/20 <math>\mu</math>s)</b>   | $I_n$      | 15,00 kA              |
| <b>Maximum discharge current (8/20 <math>\mu</math>s)</b>   | $I_{max}$  | 40,00 kA              |
| <b>Voltage protection level mode 1/2</b>                    | $U_p$      | 1,20 kV               |
| <b>Voltage protection level mode 1/3, 2/3</b>               | $U_p$      | 0,60 kV               |
| <b>Short-circuit current rating</b>                         | $I_{SCPV}$ | 63 A DC               |
| <b>Response time</b>  | $t_a$      | 25 ns                 |
| <b>Cross-section of connected conductors solid - min</b>    |            | 1,00 mm <sup>2</sup>  |
| <b>Cross-section of connected conductors solid - max</b>    |            | 35,00 mm <sup>2</sup> |
| <b>Cross-section of connected conductors stranded - min</b> |            | 1,00 mm <sup>2</sup>  |
| <b>Cross-section of connected conductors stranded - max</b> |            | 25,00 mm <sup>2</sup> |
| <b>Fault indication</b>                                     |            | red indication field  |
| <b>Degree of protection</b>                                 |            | IP 20                 |
| <b>Range of operating temperatures - min</b>                |            | -40 °C                |
| <b>Range of operating temperatures - max</b>                |            | 80 °C                 |
| <b>Mounting</b>   |            | DIN rail 35 mm        |
| <b>According to standard</b>                                |            | EN 50539-11:2013      |
| <b>Plug module</b>  |            | SLP-PV170U V/0        |
| <b>ETIM Class</b>   |            | EC000941              |