

SLP-275-VB/1S+1

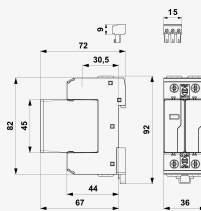
SPD - for low voltage / SPD type 2 / Combination type

Combined type surge arrester for 1-phase TT-S and TT systems
pluggable module, visual fault signalling, remote fault signalling

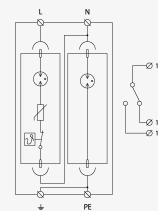
- combination of combined type surge arrester (serial combination varistor+GDT) and encapsulated spark gap, connected in the 1+1 mode
- installation to LV installations, especially to sub-distribution boards, suitable also for measuring circuits
- for protection of the installations and equipments against impact of induced overvoltages during a lightning strike in areas with higher storm activity or switching overvoltages or as the first stage of for protection for measuring circuits
- zero leakage current



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value |
|--|--------------------|
| Type of SPD | T2 |
| Mounting | DIN rail 35 mm |
| Nominal voltage | U_n 230 V AC |
| Maximum operating voltage L-N | U_c 275.00 V AC |
| Maximum operating voltage N-PE | U_c 255.00 V AC |
| Type of network | TN-S TT |
| Maximum overcurrent protection | 125 A gL/gG |
| Short-circuit current rating | I_{SCCR} 50.0 kA |
| Residual current | I_{PE} 0.002 mA |
| Nominal discharge current (8/20 μ s) | I_n 20.00 kA |
| Maximum discharge current (8/20 μ s) | I_{max} 40.00 kA |
| Voltage protection level mode L-N | U_p 1.50 kV |
| Voltage protection level mode L-PE | U_p 2.50 kV |

| | | |
|--|----------|-------------------------------------|
| Voltage protection level mode N-PE | U_p | 1.50 kV |
| Ability to independently switch off the following current N-PE | I_{fi} | 0.1 kA |
| Response time | t_a | 100 ns |
| TOV 5 s L-N | | 335 V |
| TOV characteristic (TOV 5 s) | | withstand |
| TOV 120 min L-N | | 440 V |
| TOV characteristic (120 min) | | withstand |
| TOV 200 ms L-PE | | 1 455 V |
| TOV 200 ms N-PE | | 1 200 V |
| TOV characteristic (TOV 200 ms) | | withstand |
| 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 L-N | | red indication field |
| Fault indication N-PE | | no |
| 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 |
| Humidity | | 5 - 95 % |
| According to standard | | EN 61643-11:2012, IEC 61643-11:2011 |
| ETIM Class | | EC000941 |
| Plug module | | SLP-275-VB/0 SLP-NPE V/0 |
| Customs tariff number | | 85363030 |
| EAN | | 8595090570585 |
| Order number | | A07058 |