

# SLP-275-VB/1+1

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

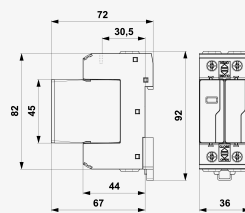
Combined type surge arrester for 1-phase TT-S and TT systems

pluggable module, visual fault signalling

- combined type surge arrester (serial combination varistor+GDT)
- 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 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                          | TT TN-S            |
| 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 $\mu$ s) | $I_n$ 20.00 kA     |
| Maximum discharge current (8/20 $\mu$ 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 <sup>2</sup>                |
| Cross-section of connected conductors solid (max)              |          | 35.00 mm <sup>2</sup>               |
| Cross-section of connected conductors stranded (min)           |          | 1.00 mm <sup>2</sup>                |
| Cross-section of connected conductors stranded (max)           |          | 25.00 mm <sup>2</sup>               |
| Fault indication L-N                                           |          | red indication field                |
| Fault indication N-PE                                          |          | no                                  |
| Remote indication                                              |          | no                                  |
| 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                                                            |          | 8595090570578                       |
| Order number                                                   |          | A07057                              |