

# SLP-275 V/3+1

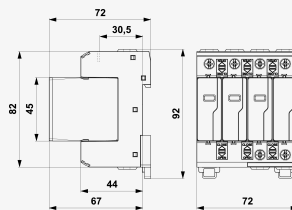
## SPD - for low voltage / SPD type 2 / MOV

Surge arrester for three-phase system TT and TN-S  
pluggable module, visual fault signalling, module locking

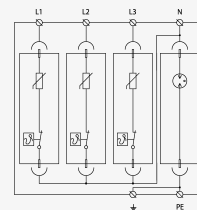
- combination of varistor surge arrester and encapsulated spark gap, connected in the 3+1 mode
- installation to LV installations, especially to sub-distribution boards in TT and also TN-S systems
- for protection of the installations and equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



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                 |
| Maximum overcurrent protection                | 160 A gL/gG        |
| Short-circuit current rating                  | $I_{SCCR}$ 50.0 kA |
| Nominal discharge current (8/20 $\mu$ s) L-N  | $I_n$ 20.00 kA     |
| Nominal discharge current (8/20 $\mu$ s) N-PE | $I_n$ 20.00 kA     |
| Maximum discharge current (8/20 $\mu$ s) L-N  | $I_{max}$ 40.00 kA |
| Maximum discharge current (8/20 $\mu$ s) N-PE | $I_{max}$ 40.00 kA |
| Voltage protection level mode L-N             | $U_p$ 1.35 kV      |
| Voltage protection level mode L-PE            | $U_p$ 1.50 kV      |
| Voltage protection level mode N-PE            | $U_p$ 1.50 kV      |
| Voltage protection level at 5 kA L-N          | $U_p$ 0.90 kV      |

|  |          |                                     |
|--|----------|-------------------------------------|
| Ability to independently switch off the following current N-PE | $I_{fi}$ | 0.1 kA                              |
| Response time L-N  | $t_a$    | 25 ns                               |
| Response time N-PE   | $t_a$    | 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)                                   |          | safe failure                        |
| 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                                  |
| 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 V/0 SLP-NPE V/0             |
| Customs tariff number  |          | 85363030                            |
| EAN  |          | 8595090519461                       |
| Order number   |          | A01946                              |