

# FLP-25-T1-V/3+1

## SPD - for low voltage / SPD type 1 / Combination type - T1 (25 kA)

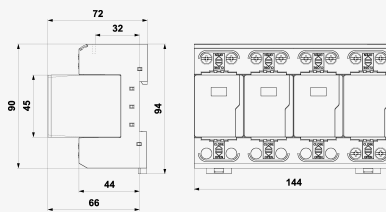
Lightning current arrester for 3-phase TT system

pluggable module, visual fault signalling, module locking

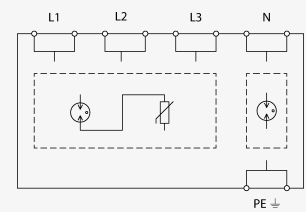
- combination of three-pole high performance lightning current arrester and encapsulated efficiency spark gap, connected in the 3+1 mode, leakage current-free
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in wide range of applications – houses, office and industrial buildings
- coordination with SPD type 2 (SLP-275 V) even without surge separating inductors



Product dimensions



Basic circuit diagram



| Parameter name                                    | Parameter value               |
|---|-------------------------------|
| Type of SPD                                       | T1                            |
| Mounting  | DIN rail 35 mm                |
| Nominal voltage                                   | $U_n$ 230.00 V AC             |
| Maximum operating voltage L-N                     | $U_c$ 260.00 V AC             |
| Maximum operating voltage N-PE                    | $U_c$ 255.00 V AC             |
| Nominal load current for "V" connection           | $I_L$ 125 A                   |
| Type of network                                   | TT                            |
| Maximum overcurrent protection                    | 250 A gL/gG                   |
| Maximum overcurrent protection for "V" connection | 125 A gL/gG                   |
| Short-circuit current rating                      | $I_{SCCR}$ 50.0 kA            |
| Total discharge current (10/350 $\mu$ s)          | $I_{Total(10/350)}$ 100.00 kA |
| Lightning impulse current (10/350 $\mu$ s) L-N    | $I_{imp}$ 25.00 kA            |
| Lightning impulse current (10/350 $\mu$ s) N-PE   | $I_{imp}$ 100.00 kA           |

|  |          |                                     |
|--|----------|-------------------------------------|
| Voltage protection level mode L-N                              | $U_p$    | 1.50 kV                             |
| Voltage protection level mode L-PE                             | $U_p$    | 2.20 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 L-N  | $t_a$    | 100 ns                              |
| Response time N-PE   | $t_a$    | 100 ns                              |
| TOV 5 s L-N  |          | 335 V                               |
| TOV characteristic (TOV 5 s)                                   |          | withstand                           |
| TOV 200 ms N-PE  |          | 1 200 V                             |
| TOV characteristic (TOV 200 ms)                                |          | withstand                           |
| Cross-section of connected conductors solid (min)              |          | 2.50 mm <sup>2</sup>                |
| Cross-section of connected conductors solid (max)              |          | 50.00 mm <sup>2</sup>               |
| Cross-section of connected conductors stranded (min)           |          | 2.50 mm <sup>2</sup>                |
| Cross-section of connected conductors stranded (max)           |          | 35.00 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   |          | EC000381                            |
| Plug module  |          | FLP-25-T1-V/0 FLP-A100N V/0         |
| Customs tariff number  |          | 85363090                            |
| EAN  |          | 8595090553045                       |
| Order number   |          | A05304                              |