

# FLP-SG50 V/1

## SPD - for low voltage / SPD type 1 / Spark-gap

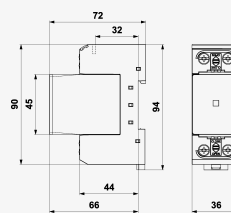
Lightning current arrester for TN or TT system

pluggable module, visual fault signalling, module locking

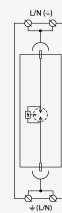
- encapsulated high-performance spark gap
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in the hardest application in heavy, chemical and energy industry
- coordination with 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 V AC     |
| Maximum operating voltage                                 | $U_c$ 255.00 V AC  |
| Nominal load current for "V" connection                   | $I_L$ 125 A        |
| Type of network   | TN                 |
| Maximum overcurrent protection                            | 315 A gL/gG        |
| Maximum overcurrent protection for "V" connection         | 125 A gL/gG        |
| Short-circuit current rating                              | $I_{SCCR}$ 50.0 kA |
| Residual current  | $I_{PE}$ 0.550 mA  |
| Lightning impulse current (10/350 $\mu$ s)                | $I_{imp}$ 50.00 kA |
| Nominal discharge current (8/20 $\mu$ s)                  | $I_n$ 50.00 kA     |
| Voltage protection level                                  | $U_p$ 2.50 kV      |
| Ability to independently switch off the following current | $I_{fi}$ 50.0 kA   |

|  |       |                                     |
|--|-------|-------------------------------------|
| Response time  | $t_a$ | 100 ns                              |
| TOV 5 s L-N  |       | 335 V                               |
| TOV 5 s L-PE   |       | 440 V                               |
| TOV characteristic (TOV 5 s)                         |       | withstand                           |
| TOV 120 min L-N                                      |       | 440 V                               |
| TOV 120 min L-PE                                     |       | 335 V                               |
| TOV characteristic (120 min)                         |       | 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                                     |       | red indication field                |
| 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   |       | EC000381                            |
| Plug module  |       | FLP-SG50 V/0                        |
| Customs tariff number                                |       | 85363090                            |
| EAN  |       | 8595090540540                       |
| Order number   |       | A04054                              |