

FLP-SG50 V/1

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

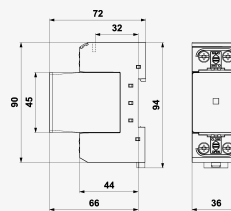
Lightning current arrester for TN or TT system

pluggable module, visual fault signalling, module locking

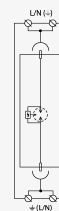
- encapsulated high-performance spark gap
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in the hardest application in heavy, chemical and energy industry
- coordination with 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 μ s) | I_{imp} 50.00 kA |
| Nominal discharge current (8/20 μ 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 ² |
| Cross-section of connected conductors solid (max) | | 50.00 mm ² |
| Cross-section of connected conductors stranded (min) | | 2.50 mm ² |
| Cross-section of connected conductors stranded (max) | | 35.00 mm ² |
| 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 |