# FLP-12,5 V/1S+1

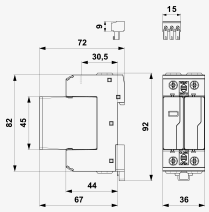
## SPD - for low voltage / SPD type 1 / MOV

Lightning current and surge arrester for single-phase system TT

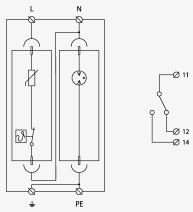
pluggable module, visual fault signalling, module locking, remote fault signalling

- combination of varistor lightning current arrester and encapsulated efficiency spark gap, connected in the 1+1 mode
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, for objects in LPL III and IV
- for protection against impact of partial lightning currents, induced overvoltages during a lightning strike or switching overvoltages

**Product dimensions**




**Basic circuit diagram**




| Parameter name | | Parameter value |
|---|---|---|
| Type of SPD | | T1,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 |
| Total discharge current (10/350 µs) | $I_{Total(10/350)}$ | 25.00 kA |
| Lightning impulse current (10/350 µs) L-N | $I_{imp}$ | 12.50 kA |
| Lightning impulse current (10/350 µs) N-PE | $I_{imp}$ | 25.00 kA |
| Nominal discharge current (8/20 µs) L-N | $I_n$ | 30.00 kA |
| Nominal discharge current (8/20 µs) N-PE | $I_n$ | 30.00 kA |
| Maximum discharge current (8/20 µs) L-N | $I_{max}$ | 60.00 kA |
| Maximum discharge current (8/20 µs) N-PE | $I_{max}$ | 60.00 kA |
| Voltage protection level mode L-N | $U_p$ | 1.50 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 | $I_{fi}$ | 100.0 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 200 ms N-PE | | 1 200 V |
| TOV characteristic (TOV 200 ms) | | withstand |
| Cross-section of connected conductors solid (min) | | 1.00 $mm^2$ |
| Cross-section of connected conductors solid (max) | | 35.00 $mm^2$ |
| Cross-section of connected conductors stranded (min) | | 1.00 $mm^2$ |
| Cross-section of connected conductors stranded (max) | | 25.00 $mm^2$ |
| Cross-section of remote indication conductors solid (max) | | 1.5 $mm^2$ |
| Cross-section of remote indication conductors stranded (max) | | 1.5 $mm^2$ |
| Fault indication L-N | | red indication field |
| Remote indication | | potential-free change-over contact |
| Remote indication contacts | | 250V/0,5A AC,250V/0,1A DC |
| 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 | | EC001457 |
| Plug module | | FLP-12,5 V/0\|FLP-NPE 25 V/0 |
| Customs tariff number | | 85363090 |
| EAN | | 8595090534242 |
| Order number | | A03424 |