

FLP-25-T1-VSF/3+1

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

Lightning current arrester with integrated backup fuse for 3-phase TT system

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

- combination of three-pole high performance lightning current arrester and encapsulated efficiency spark gap, connected in the 3+1 mode installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- 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 – office and industrial buildings
- coordination with SPD Type 2 (SLP-275 V) even without surge separating inductors
- zero leakage current
- with integrated backup fuse



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 TN-S |
| Maximum overcurrent protection | - |
| Short-circuit current rating | I_{SCCR} 50.0 kA |
| Residual current | I_{PE} 0.004 mA |
| Lightning impulse current (10/350 μ s) L-N | I_{imp} 25.00 kA |
| Lightning impulse current (10/350 μ 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 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 |
| 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 |
| Fault indication N-PE | | no |
| 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 | | EC000381 |
| Plug module | | FLP-25-T1-V/0 FLP-A100N V/0 |
| Customs tariff number | | 85363090 |
| EAN | | 8595090571148 |
| Order number | | A07114 |