

# FLP-B+C MAXI VS/1

## SPD - for low voltage / SPD type 1 / Combination type - T1+T2 (25 kA)

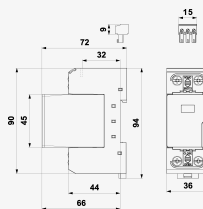
Combination of lightning current and surge arrester for systems TN and TT

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

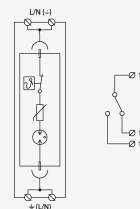
- high performance lightning current arrester
- installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards
- for protection against impact of direct or indirect lightning strikes in wide range of applications – houses, office or industrial buildings, resp. to sub-distribution boards in large buildings



Product dimensions



Basic circuit diagram



| Parameter name                                    |            | Parameter value |
|---------------------------------------------------|------------|-----------------|
| Type of SPD                                       |            | T1,T2           |
| Mounting                                          |            | DIN rail 35 mm  |
| Nominal voltage                                   | $U_n$      | 230.00 V AC     |
| Maximum operating voltage                         | $U_c$      | 260.00 V AC     |
| Nominal load current for "V" connection           | $I_L$      | 125 A           |
| Type of network                                   |            | TN              |
| 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         |
| Lightning impulse current (10/350 $\mu$ s)        | $I_{imp}$  | 25.00 kA        |
| Nominal discharge current (8/20 $\mu$ s)          | $I_n$      | 30.00 kA        |
| Maximum discharge current (8/20 $\mu$ s)          | $I_{max}$  | 60.00 kA        |
| Voltage protection level                          | $U_p$      | 1.50 kV         |
| Residual voltage of MOV at $I_n$                  | $U_{RES}$  | 0.85 kV         |
| Response time                                     | $t_a$      | 100 ns          |
| TOV 5 s L-N                                       |            | 335 V           |

|                                                              |                                            |
|--------------------------------------------------------------|--------------------------------------------|
| TOV characteristic (TOV 5 s)                                 | <b>withstand</b>                           |
| TOV 120 min L-N                                              | <b>440 V</b>                               |
| TOV characteristic (120 min)                                 | <b>withstand</b>                           |
| Cross-section of connected conductors solid (min)            | <b>2.50 mm<sup>2</sup></b>                 |
| Cross-section of connected conductors solid (max)            | <b>50.00 mm<sup>2</sup></b>                |
| Cross-section of connected conductors stranded (min)         | <b>2.50 mm<sup>2</sup></b>                 |
| Cross-section of connected conductors stranded (max)         | <b>35.00 mm<sup>2</sup></b>                |
| Cross-section of remote indication conductors solid (max)    | <b>1.5 mm<sup>2</sup></b>                  |
| Cross-section of remote indication conductors stranded (max) | <b>1.5 mm<sup>2</sup></b>                  |
| Fault indication                                             | <b>red indication field</b>                |
| Remote indication                                            | <b>potential-free change-over contact</b>  |
| Remote indication contacts                                   | <b>250V/0,5A AC,250V/0,1A DC</b>           |
| Degree of protection                                         | <b>IP 20</b>                               |
| Range of ambient temperatures (min/max)                      | <b>-40 / 80 °C</b>                         |
| Humidity                                                     | <b>5 - 95 %</b>                            |
| According to standard                                        | <b>EN 61643-11:2012, IEC 61643-11:2011</b> |
| ETIM Class                                                   | <b>EC001457</b>                            |
| Plug module                                                  | <b>FLP-B+C MAXI V/O</b>                    |
| Customs tariff number                                        | <b>85363090</b>                            |
| EAN                                                          | <b>8595090535331</b>                       |
| Order number                                                 | <b>A03533</b>                              |