

FLP-ZP2-12,5-VBH/3S

SPD - for low voltage / SPD type 1 / 40 mm busbar system - T1+T2 (12,5 kA)

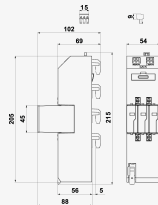
Combination of lightning current and surge arrester for systems TN-C

pluggable module, visual fault signalling, module locking, terminals for supply, onto 40 mm busbar system, remote fault signalling

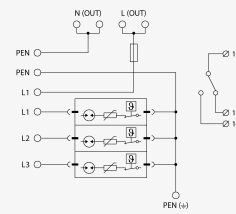
- high performance lightning current arrester, installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards upstream power meters
- for protection against impact of direct or indirect lightning strikes in wide range of applications – houses, office or industrial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



Product dimensions



Basic circuit diagram



| Parameter name | Parameter value |
|--|------------------------------|
| Type of SPD | T1,T2,T3 |
| Mounting | 40 mm busbar system |
| Nominal voltage | U_n 230 V AC |
| Maximum operating voltage | U_c 255.00 V AC |
| Nominal load current - auxiliary output terminals L, N | 6.3 A |
| Type of network | TN-C |
| Maximum overcurrent protection | 160 A gL/gG |
| Short-circuit current rating | I_{SCCR} 25.0 kA |
| Total discharge current (10/350 μ s) | $I_{Total(10/350)}$ 37.50 kA |
| Lightning impulse current (10/350 μ s) | I_{imp} 12.50 kA |
| Nominal discharge current (8/20 μ s) | I_n 20.00 kA |
| Test voltage | U_{oc} 10.0 kV |
| Total discharge current (8/20 μ s) | $I_{Total(8/20)}$ 100.00 kA |
| Maximum discharge current (8/20 μ s) | I_{max} 60.00 kA |
| Voltage protection level | U_p 1.50 kV |

| | | |
|--|-------|-------------------------------------|
| Response time | t_a | 100 ns |
| TOV 5 s L-N | | 335 V |
| TOV characteristic (TOV 5 s) | | withstand |
| TOV 120 min L-N | | 440 V |
| TOV characteristic (120 min) | | withstand |
| Cross-section of connected conductors solid (min) | | 1.00 mm ² |
| Cross-section of connected conductors solid (max) | | 16.00 mm ² |
| Cross-section of connected conductors stranded (min) | | 1.00 mm ² |
| Cross-section of connected conductors stranded (max) | | 16.00 mm ² |
| Cross-section of connected conductors solid (max) - aux. out terminals L, N | | 4.00 mm ² |
| Cross-section of connected conductors stranded (max) - aux. out terminals L, N | | 2.50 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 | | 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 | | EC000381 |
| Plug module | | FLP-ZP-12,5-VBH/0 |
| Customs tariff number | | 85363090 |
| EAN | | 8595090570318 |
| Order number | | A07031 |