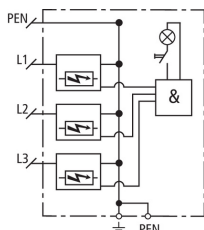


DV ZP TNC 255 (900 390)

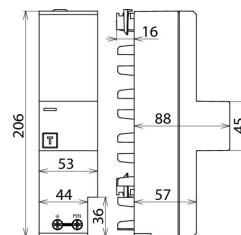
- Type 1 and type 2 combined lightning current and surge arrester based on RADAX Flow spark gap technology
- Quick and easy installation by snapping the arrester onto 40 mm busbar systems
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DV ZP TNC 255



Dimension drawing DV ZP TNC 255

Combined lightning current and surge arrester for TN-C systems for use in main power systems in case of buildings with external lightning protection system and high performance parameters (3+0 configuration).

| Type | DV ZP TNC 255 |
|---|---|
| Part No. | 900 390 |
| SPD according to EN 61643-11 / IEC 61643-11 | type 1 + type 2 / class I + class II |
| Energy coordination with terminal equipment (≤ 10 m) | type 1 + type 2 + type 3 |
| Nominal voltage (a.c.) (U_n) | 230 / 400 V (50 / 60 Hz) |
| Max. continuous operating voltage (a.c.) (U_c) | 255 V (50 / 60 Hz) |
| Lightning impulse current (10/350 μ s) [L1+L2+L3-PEN] (I_{total}) | 75 kA |
| Specific energy [L1+L2+L3-PEN] (W/R) | 1.40 MJ/ohms |
| Lightning impulse current (10/350 μ s) [L-PEN] (I_{imp}) | 25 kA |
| Specific energy [L-PEN] (W/R) | 156.25 kJ/ohms |
| Nominal discharge current (8/20 μ s) [L-PEN]/[L1+L2+L3-PEN] (I_n) | 25 / 75 kA |
| Voltage protection level (U_p) | ≤ 1.5 kV |
| Follow current extinguishing capability (a.c.) (I_n) | 25 kA _{rms} |
| Follow current limitation / Selectivity | no tripping of a 32 A gG fuse up to 25 kA _{rms} (prosp.) |
| Response time (t_A) | ≤ 100 ns |
| Max. backup fuse up to $I_K = 25$ kA _{rms} | 315 A gG |
| Max. backup fuse for $I_K > 25$ kA _{rms} | 200 A gG |
| Temporary overvoltage (TOV) [L-PEN] (U_T) – Characteristic | 440 V / 120 min. – withstand |
| Operating temperature range (T_U) | -40 °C ... +80 °C |
| Operating state indication | button with indicator light |
| Number of ports | 1 |
| Cross-sectional area (PEN, \pm) | 10-35 mm ² flexible / 50 mm ² stranded |
| For mounting on | 40 mm busbar systems |
| Enclosure material | thermoplastic, red, UL 94 V-0 |
| Place of installation | indoor installation |
| Degree of protection | IP 30 (in combination with cover) |
| Capacity | 3 module(s), DIN 43880 |
| Approvals | VDE |
| Weight | 914 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363090 |
| GTIN | 4013364105751 |
| PU | 1 pc(s) |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.