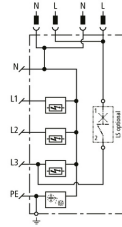


DSH ZP B2 LSG TT 255 (909 731)

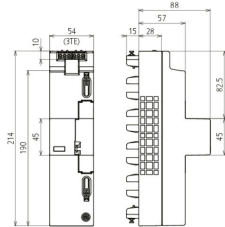
- Type 1 + type 2 + type 3 combined arrester based on spark gap technology, meets the minimum requirements of IEC 60364-5-53 clause 534 for the nominal discharge current capacity I_n and the lightning current discharge capacity I_{imp} in case of overhead line supply
- Easy, fast and completely toolless installation by snapping the arrester on 40 mm busbar systems
- Capable of protecting terminal equipment
- Subsequent integration of a single-pole B6 circuit breaker for supplying the intelligent measuring system according to VDE-AR-N 4100 possible
- Two sockets for the 230 V power supply (N and L) for the compartment for additional applications / termination point meter mounting board are integrated in the device



Figure without obligation



Basic circuit diagram DSH ZP B2 LSG TT 255



Dimension drawing DSH ZP B2 LSG TT 255

Combined arrester for TT and TN-S systems for use in the main power supply system (3+1 configuration) of buildings without external lightning protection (also with overhead line supply).

| Type | DSH ZP B2 LSG TT 255 |
|---|---|
| Part No. | 909 731 <small>SPD</small> |
| SPD according to EN 61643-11 / IEC 61643-11 | type 1 + type 2 + type 3 / class I + class II + class III |
| 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+N-PE] (I_{total}) | 30 kA |
| Lightning impulse current (10/350 μ s) [L-N] (I_{imp}) | 7.5 kA |
| Specific energy [L-N] (W/R) | 14.06 kJ/ohms |
| Lightning impulse current (10/350 μ s) [N-PE] (I_{imp}) | 30 kA |
| Specific energy [N-PE] (W/R) | 225 kJ/Ohm |
| Nominal discharge current (8/20 μ s) [L-N]/[N-PE] (I_n) | 20 / 80 kA |
| Voltage protection level [L-N] (U_P) | ≤ 1.5 kV |
| Voltage protection level [N-PE] (U_P) | ≤ 1.5 kV |
| Open-circuit voltage of the combination wave generator (U_{oc}) | 20 kV |
| Follow current extinguishing capability [L-N] (a.c.) (I_f) | 25 kA _{rms} |
| Follow current extinguishing capability [N-PE] (a.c.) (I_f) | 100 A _{rms} |
| Follow current limitation / Selectivity | no tripping of a 32 A gG fuse up to 25 kA _{rms} (prosp.) |
| Max. mains-side overcurrent protection | 160 A gG |
| Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic | 440 V / 120 min. – withstand |
| Temporary overvoltage (TOV) [N-PE] (U_T) – Characteristic | 1200 V / 200 ms – withstand |
| Operating temperature range (T_U) | -40 °C ... +80 °C |
| Operating state / fault indication | green / red |
| Number of ports | 1 |
| Cross-sectional area (PEN, \pm) | 16-25 mm ² flexible / 16-35 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) |
| Approvals | VDE |
| Power supply (for compartment for additional applications/ termination point meter mounting board according to VDE-AR-N 4100) (U_N) | 230 V |
| Suitable circuit breakers (manufacturer, type) | ABB S201P-B6, Hager MB199 |
| Rated current of the circuit breaker (I_n) | 6 A |
| Tripping characteristic | B |
| Extended technical data: | ----- |
| Protection level [L-PE] (U_P) | ≤ 1.6 kV |
| Weight | 661 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363090 |
| GTIN | 4013364449725 |
| 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.