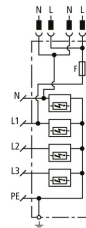


DSH ZP B2 SG TNS 255 (909 440)

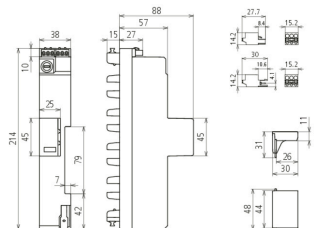
- Type 1 + type 2 + type 3 combined arrester based on spark gap technology, meets the minimum requirements of IEC 60364-5-53 clause 534 for the nominal discharge current capacity I_n and the lightning current discharge capacity I_{imp} in case of overhead line supply
- Easy, fast and completely toolless installation by snapping the arrester on 40 mm busbar systems
- Capable of protecting terminal equipment
- Includes overcurrent-protected power supply for additional applications in the compartment for additional applications and termination point meter mounting board according to VDE-AR-N 4100
- Small width of only 38 mm allows DEHNshield ZP to be combined with a supply adapter and thus installation between two selective main circuit breakers in a single meter panel
- A suitable cover clip according to DIN VDE 0603-1 for every standard meter panel and 2 x socket and 2 x plug (without connecting cables) for wiring the intelligent measuring system according to VDE-AR 4100 are included in delivery



Figure without obligation



Basic circuit diagram DSH ZP B2 SG TNS 255



Dimension drawing DSH ZP B2 SG TNS 255

Combined arrester for TN-S systems for use in the main power supply system (4+0 configuration) of residential buildings without external lightning protection (also with overhead line supply) including overcurrent-protected 230 V power supply for the compartment for additional applications / termination point meter mounting board according to VDE-AR-N 4100.

| Type | DSH ZP B2 SG TNS 255 |
|---|---|
| Part No. | 909 440 |
| 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-PE] (I_{imp}) | 7.5 kA |
| Nominal discharge current (8/20 μ s) [L/N-PE]/[L1+L2+L3+N-PE] (I_n) | 20 / 80 kA |
| Voltage protection level [L-PE] (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-PE] (a.c.) (I_n) | 25 kA _{rms} |
| Follow current extinguishing capability [N-PE] (a.c.) (I_n) | 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, \neq) | 16-25 mm ² stranded, fine-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 |
| Rated current of the fuse link of the terminal device (class F) (I_n) | 6.3 A |
| Fuse link | SIBA GZ 6.3 x 32 mm F 500 |
| Weight | 531 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363090 |
| GTIN | 4013364409866 |
| 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.