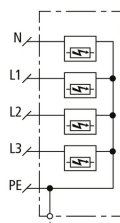


## DSH ZP B2 TNS 255 (909 340)

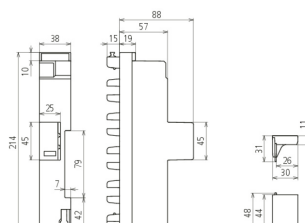
- Type 1 + type 2 + type 3 combined arrester based on spark gap technology, meets the minimum requirements of IEC 60364-5-53 clause 534 for the nominal discharge current capacity  $I_n$  and the lightning current discharge capacity  $I_{imp}$  according to class of LPS III + IV in case of overhead line 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 is included in delivery



Figure without obligation



Basic circuit diagram DSH ZP B2 TNS 255



Dimension drawing DSH ZP B2 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).

| Type<br>Part No.                                                            | DSH ZP B2 TNS 255<br>909 340                                      |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------|
| 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 ( $\leq 10$ 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 $\mu$ s) [L1+L2+L3+N-PE] ( $I_{total}$ )  | 30 kA                                                             |
| Lightning impulse current (10/350 $\mu$ s) [L, N-PE] ( $I_{imp}$ )          | 7.5 kA                                                            |
| Nominal discharge current (8/20 $\mu$ s) [L/N-PE]/[L1+L2+L3+N-PE] ( $I_n$ ) | 20 / 80 kA                                                        |
| Voltage protection level [L-PE] ( $U_P$ )                                   | $\leq 1.5$ kV                                                     |
| Voltage protection level [N-PE] ( $U_P$ )                                   | $\leq 1.5$ 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 <sub>rms</sub>                                              |
| Follow current extinguishing capability [N-PE] (a.c.) ( $I_n$ )             | 100 A <sub>rms</sub>                                              |
| Follow current limitation / Selectivity                                     | no tripping of a 32 A gG fuse up to 25 kA <sub>rms</sub> (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, $\frac{1}{2}$ )                                  | 16-25 mm <sup>2</sup> 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                                                               |
| Weight                                                                      | 489 g                                                             |
| Customs tariff number (Comb. Nomenclature EU)                               | 85363090                                                          |
| GTIN                                                                        | 4013364424876                                                     |
| 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.