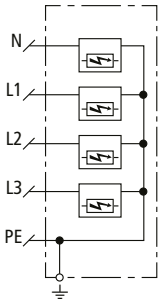
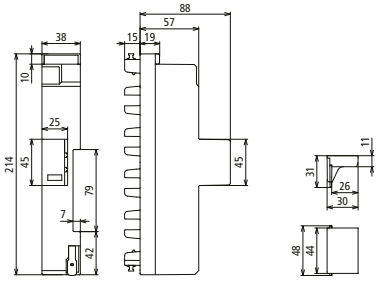
DSH ZP B2 TNS 255 (909 340)

- 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





Basic circuit diagram



Dimension drawing

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	DSH ZP B2 TNS 255
Part No.	**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 (≤ 10 m)	type 1 + type 2 + type 3
Nominal voltage (a.c.) (U_N)	230 / 400 V (50 / 60 Hz)
Max. continuous operating voltage (AC) (U_C)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 µs) [L1+L2+L3+N-PE] (I_{total})	30 kA
Lightning impulse current (10/350 µs) [L, N-PE] (I_{imp})	7.5 kA
Nominal discharge current (8/20 µs) [L/N-PE]/[L1+L2+L3+N-PE] (I_n)	20 / 80 kA
Voltage protection level [N-PE] (U_p)	≤ 1.5 kV
Open-circuit voltage of the combination wave generator (U_{OC})	20 kV
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,)	16-25 mm² 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
Extended technical data	
Voltage protection level [L-PE] (U_p)	≤ 1.5 kV

Masterdata	
Net weight	488.65 g/pc(s)
GTIN	4013364424876
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.