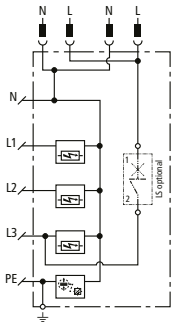
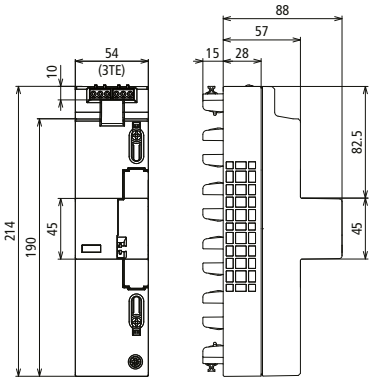
DSH ZP 2 LSG TT 255 (909 831)

- 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





Basic circuit diagram



Dimension drawing

Combined arrester for TT and TN-S systems for use in the main power supply system (3+1 configuration) of buildings with external lightning protection (class of LPS III/IV).

Type	DSH ZP 2 LSG TT 255
Part No.	**909 831**
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})	50 kA
Lightning impulse current (10/350 µs) [L-N] (I_{imp})	12.5 kA
Specific energy [L-N] (W/R)	39.06 kJ/Ohm
Lightning impulse current (10/350 µs) [N-PE] (I_{imp})	50 kA
Specific energy [N-PE] (W/R)	625 kJ/Ohm
Nominal discharge current (8/20 µs) [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
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 flexible / 16-35 mm² 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	
Voltage protection level [L-PE] (U_p)	≤ 1.6 kV

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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

Masterdata	
Net weight	661 g/pc(s)
GTIN	4013364449732
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090

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.