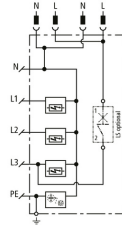


### DSH ZP B2 LSG TT 255 (909 731)

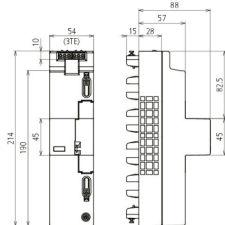
- Type 1 + type 2 + type 3 combined arrester based on spark gap technology, meets the minimum requirements of IEC 60364-5-53 clause 534 for the nominal discharge current capacity  $I_n$  and the lightning current discharge capacity  $I_{imp}$  in case of overhead line supply
- Easy, fast and completely 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 ( $\leq 10$ 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] ( $I_{imp}$ )	7.5 kA
Specific energy [L-N] (W/R)	14.06 kJ/ohms
Lightning impulse current (10/350 $\mu$ s) [N-PE] ( $I_{imp}$ )	30 kA
Specific energy [N-PE] (W/R)	225 kJ/Ohm
Nominal discharge current (8/20 $\mu$ s) [L-N]/[N-PE] ( $I_n$ )	20 / 80 kA
Voltage protection level [L-N] ( $U_P$ )	$\leq 1.5$ 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-N] (a.c.) ( $I_f$ )	25 kA <sub>rms</sub>
Follow current extinguishing capability [N-PE] (a.c.) ( $I_f$ )	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, $\pm$ )	16-25 mm <sup>2</sup> flexible / 16-35 mm <sup>2</sup> 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] ( $U_P$ )	$\leq 1.6$ 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.