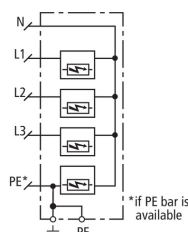


## DSH ZP B TT 255 (900 396)

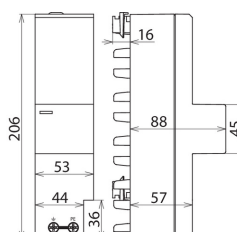
- Type 1 + type 2 combined spark-gap-based lightning current and surge arrester meets the minimum requirement on the nominal discharge current capacity  $I_n$  and the lightning current discharge capacity  $I_{imp}$  in case of infeed via overhead lines according to IEC 60364-5-53
- Quick and easy installation by snapping the arrester onto 40 mm busbar systems
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DSH ZP B TT 255



Dimensions DSH ZP B TT 255

Combined lightning current and surge arrester for TT and TN-C systems for use in the primary power supply system (3+1 configuration) of residential buildings without external lighting protection system (also with infeed via overhead lines).

Type	DSH ZP B TT 255
Part No.	900 396
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
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
Follow current extinguishing capability [L-N] (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 kArms (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, $\oplus$ )	10-35 mm <sup>2</sup> flexible / 50 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)
Capacity	3 module(s), DIN 43880
Approvals	VDE
Extended technical data:	-----
Voltage protection level [L-PE] ( $U_p$ )	1.6 kV
Weight	643 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364306783
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.