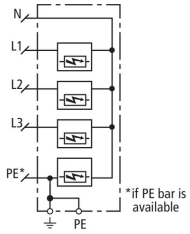
DSH ZP B TT 255 (900 396)

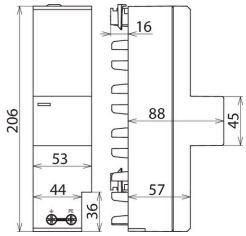
- Type 1 + type 2 combined spark-gap-based lightning current and surge arrester meets the minimum requirement on the nominal discharge current capacity I_n and the lightning current discharge capacity I_{imp} in case of infeed via overhead lines according to IEC 60364-5-53
- Quick and easy installation 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 main power supply system (3+1 configuration) of residential buildings without external lighting protection system (also with infeed via overhead lines).

Type Part No.	DSH ZP B TT 255 900 396
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
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 (a.c.) (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] (I_{imp})	7.5 kA
Specific energy [L-N] (W/R)	14.06 kJ/ohms
Lightning impulse current (10/350 µs) [N-PE] (I_{imp})	30 kA
Specific energy [N-PE] (W/R)	225 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
Follow current extinguishing capability [L-N] (a.c.) (I_{fi})	25 kA_{rms}
Follow current extinguishing capability [N-PE] (a.c.) (I_{fi})	100 A_{rms}
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, ⏚)	10-35 mm^2 fine-stranded / 50 mm^2 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.