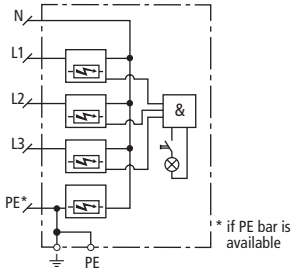
DEHNventil ZP

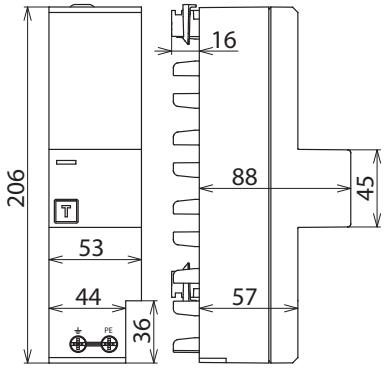
DV ZP TT 255 (900391)

- Type 1 and type 2 combined lightning current and surge arrester based on RADAX Flow spark gap technology
- Quick and easy installation by snapping the arrester onto 40 mm busbar systems
- Capable of protecting terminal equipment





Basic circuit diagram



Dimension drawing

Discontinued Model

Combined lightning current and surge arrester for TT and TN-S systems for use in main power systems in case of buildings with external lightning protection system and high performance parameters (3+1 configuration).

Type	**DV ZP TT 255**
Part No.	**900391**
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 (AC) (U_C)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 µs) [L1+L2+L3+N-PE] (I_{total})	100 kA
Specific energy [L1+L2+L3+N-PE] (W/R)	2.50 MJ/Ohm
Lightning impulse current (10/350 µs) [L-N] (I_{imp})	25 kA
Specific energy [L-N] (W/R)	156.25 kJ/Ohm
Lightning impulse current (10/350 µs) [N-PE] (I_{imp})	100 kA
Specific energy [N-PE] (W/R)	2.50 MJ/Ohm
Nominal discharge current (8/20 µs) [L-N]/[N-PE] (I_n)	25 / 100 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] AC (I_{fi})	25 kA_{rms}
Follow current extinguishing capability [N-PE] AC (I_{fi})	100 A_{eff}
Follow current limitation / Selectivity	no tripping of a 32 A gG fuse up to 25 kA_{rms} (prosp.)
Response time (t_A)	≤ 100 ns
Max. backup fuse up to IK = 25 kArms	315 A gG
Max. backup fuse for I_K > 25 kA_{rms}	200 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 indication	button with indicator light
Number of ports	1
Cross-sectional area (PE,)	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 Standard DIN module, DIN 43880
Approvals	VDE

Extended technical data	
Voltage protection level [L-PE] (U_p)	2.2 kV

Masterdata	
Net weight	1.01 kg/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364105768
PU	1 pc(s)

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.