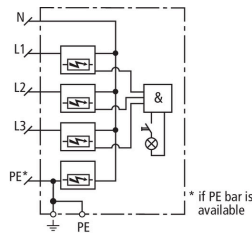


**DV ZP TT 255 (900 391)**

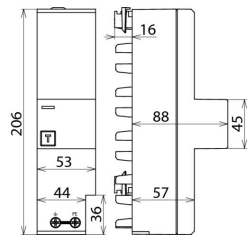
- Type 1 and type 2 combined lightning current and surge arrester based on RADAX Flow spark gap technology
- Quick and easy installation by snapping the arrester onto 40 mm busbar systems
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DV ZP TT 255



Dimension drawing DV ZP TT 255

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.	900 391
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] ( $I_{total}$ )	100 kA
Specific energy [L1+L2+L3+N-PE] (W/R)	2.50 MJ/ohms
Lightning impulse current (10/350 $\mu$ s) [L-N] ( $I_{imp}$ )	25 kA
Specific energy [L-N] (W/R)	156.25 kJ/ohms
Lightning impulse current (10/350 $\mu$ s) [N-PE] ( $I_{imp}$ )	100 kA
Specific energy [N-PE] (W/R)	2.50 MJ/ohms
Nominal discharge current (8/20 $\mu$ s) [L-N]/[N-PE] ( $I_n$ )	25 / 100 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 kA <sub>rms</sub> (prosp.)
Response time ( $t_A$ )	$\leq 100$ ns
Max. backup fuse up to $I_k = 25$ kA <sub>rms</sub>	315 A gG
Max. backup fuse for $I_k > 25$ kA <sub>rms</sub>	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, $\neq$ )	10-35 mm <sup>2</sup> fine-stranded / 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] ( $U_p$ )	2.2 kV
Weight	1,01 kg
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364105768
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.