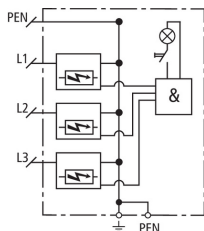


## DV ZP TNC 255 (900 390)

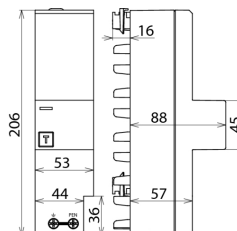
- Type 1 and type 2 combined lightning current and surge arrester based on RADAX Flow spark gap technology
- Quick and easy installation by snapping the arrester onto 40 mm busbar systems
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DV ZP TNC 255



Dimension drawing DV ZP TNC 255

Combined lightning current and surge arrester for TN-C systems for use in primary power systems in case of buildings with external lightning protection system and high performance parameters (3+0 configuration).

Type	DV ZP TNC 255
Part No.	900 390
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-PEN] ( $I_{total}$ )	75 kA
Specific energy [L1+L2+L3-PEN] (W/R)	1.40 MJ/ohms
Lightning impulse current (10/350 $\mu$ s) [L-PEN] ( $I_{imp}$ )	25 kA
Specific energy [L-PEN] (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 $\mu$ s) [L-PEN]/[L1+L2+L3-PEN] ( $I_n$ )	25 / 75 kA
Voltage protection level ( $U_P$ )	$\leq 1.5$ kV
Follow current extinguishing capability (a.c.) ( $I_{fi}$ )	25 kA <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-PEN] ( $U_T$ ) – Characteristic	440 V / 120 min. – withstand
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Operating state indication	button with indicator light
Number of ports	1
Cross-sectional area (PEN, $\neq$ )	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
Weight	914 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364105751
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.