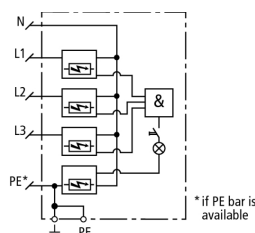


DV ZP TT 255 (900 391)

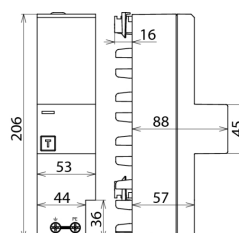
- Combined lightning current and surge arrester based on RADAX Flow spark gap technology
- Quick and easy installation by snapping the arrester onto 40 mm busbar systems
- Capable of protecting terminal equipment



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 primary power systems ("3+1" circuit)

Type	DV ZP TT 255
Part No.	900 391
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1/-11	Class I
Energy coordination with terminal equipment	Type 1 + Type 2
Energy coordination with terminal equipment ($\leq 5\text{m}$)	Type 1 + Type 2 + Type 3
Nominal a.c. voltage (U_N)	230 / 400 V
Max. continuous operating a.c. voltage (U_C)	255 V
Lightning impulse current (10/350 μs) [L1+L2+L3+N-PE] (I_{imp})	100 kA
Specific energy [L1+L2+L3+N-PE] (W/R)	2.50 MJ/ohms
Lightning impulse current (10/350 μs) [L-N] (I_{imp})	25 kA
Specific energy [L-N] (W/R)	156.25 kJ/ohms
Lightning impulse current (10/350 μs) [N-PE] (I_{imp})	100 kA
Specific energy [N-PE] (W/R)	2.50 MJ/ohms
Nominal discharge current (8/20 μs) (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] a.c. (I_n)	25 kA _{rms}
Follow current extinguishing capability [N-PE] a.c. (I_n)	100 A _{rms}
Follow current limitation/Selectivity	no tripping of a 32 A gL/gG fuse up to 25 kA _{rms} (prosp.)
Response time (t_A)	≤ 100 ns
Max. backup fuse up to $I_K = 25$ kA _{rms} KK	315 A gL/gG
Max. backup fuse for $I_K > 25$ kA _{rms}	200 A gL/gG
Temporary overvoltage (TOV) [L-N] (U_T)	335 V / 5 sec.
Temporary overvoltage (TOV) [N-PE] (U_T)	1200 V / 200 ms
TOV characteristic	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, $\frac{1}{2}$)	10-35 mm ² flexible/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 20
Capacity	3 module(s), DIN 43880
Approvals	VDE
Weight	1,01 kg
Customs tariff number	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.