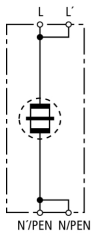
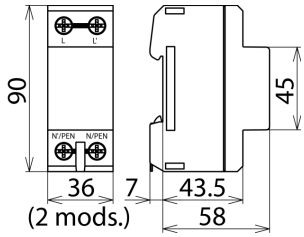
DB 1 255 H (900 222)

- Encapsulated, non-exhausting creepage discharge spark gap
- RADAX Flow spark gap technology with high follow current limitation
- Can also be used upstream meter panels due to high insulation resistance

Figure without obligation



Basic circuit diagram DB 1 255 H



Dimension drawing DB 1 255 H

Single-pole and three-pole lightning current arrester with high follow current limitation

Type Part No.	DB 1 255 H 900 222
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1/-11	Class I
Nominal a.c. voltage (U_N)	230 V
Max. continuous operating a.c. voltage (U_C)	255 V
Lightning impulse current (10/350 µs) (I_{imp})	50 kA
Specific energy (W/R)	625.00 kJ/ohms
Nominal discharge current (8/20 µs) (I_N)	50 kA
Voltage protection level (U_P)	≤ 4 kV
Follow current extinguishing capability a.c. (I_{fi})	50 kA_{rms}
Follow current limitation / Selectivity	no tripping of a 32 A gL/gG fuse up to 50 kA_{rms} (prosp.)
Response time (t_A)	≤ 100 ns
Max. backup fuse up to I_K = 50 kA_{rms} (t_a ≤ 0.2 s)	500 A gL/gG
Max. backup fuse up to I_K = 50 kA_{rms} (t_a ≤ 5 s)	315 A gL/gG
Max. backup fuse for I_K > 50 kA_{rms}	200 A gL/gG
Max. backup fuse (L-L')	125 A gL/gG
Temporary overvoltage (TOV) (U_T)	335 V / 5 sec.
TOV characteristic	withstand
Operating temperature range (parallel connection) (T_{UP})	-40°C...+80°C
Operating temperature range (series connection) (T_{US})	-40°C...+60°C
Number of ports	1
Cross-sectional area (L, L', N/PEN, N'/PEN) (min.)	10 mm^2 solid/flexible
Cross-sectional area (L, N/PEN) (max.)	50 mm^2 stranded/35 mm^2 flexible
Cross-sectional area (L', N'/PEN) (max.)	35 mm^2 stranded/25 mm^2 flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	2 module(s), DIN 43880
Approvals	KEMA, VDE
Weight	331 g
Customs tariff number	85363030
GTIN	4013364102521
PU	1 pc(s)