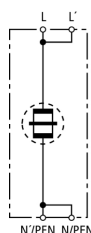


DB 1 255 H (900 222)

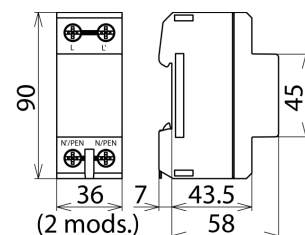
Encapsulated, non-exhausting creepage discharge spark gap
RADAX Flow spark gap technology with high follow current limitation
Can also be used upstream meter panels due to high insulation resistance



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	DB 1 255 H
Part No.	900 222
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1	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 μ s) (I_{imp})	50 kA
Specific energy (W/R)	625.00 kJ/ohms
Nominal discharge current (8/20 μ s) (I_N)	50 kA
Voltage protection level (U_P)	≤ 4 kV
Follow current extinguishing capability a.c. (I_n)	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} ($t_a \leq 0.2$ s)	500 A gL/gG
Max. backup fuse up to $I_K = 50$ kA _{rms} ($t_a \leq 5$ 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
Degree of protection	IP 20
Capacity	2 module(s), DIN 43880
Approvals	KEMA, VDE
Weight	331,4 g
Customs tariff number	85363030
GTIN	4013364102521
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.