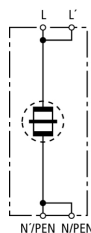


## DB 1 255 H (900 222)

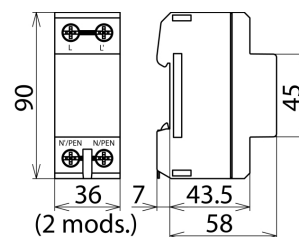
- Encapsulated, non-exhausting creepage discharge spark gap
- RADAX Flow spark gap technology with high follow current limitation
- Can also be used upstream meter panels due to high insulation resistance



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/-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 $\mu$ s) ( $I_{imp}$ )	50 kA
Specific energy (W/R)	625.00 kJ/ohms
Nominal discharge current (8/20 $\mu$ s) ( $I_N$ )	50 kA
Voltage protection level ( $U_P$ )	$\leq 4$ kV
Follow current extinguishing capability a.c. ( $I_a$ )	50 kA <sub>rms</sub>
Follow current limitation / Selectivity	no tripping of a 32 A gL/gG fuse up to 50 kA <sub>rms</sub> (prosp.)
Response time ( $t_a$ )	$\leq 100$ ns
Max. backup fuse up to $I_K = 50$ kA <sub>rms</sub> ( $t_a \leq 0.2$ s)	500 A gL/gG
Max. backup fuse up to $I_K = 50$ kA <sub>rms</sub> ( $t_a \leq 5$ s)	315 A gL/gG
Max. backup fuse for $I_K > 50$ kA <sub>rms</sub>	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 <sup>2</sup> solid/flexible
Cross-sectional area (L, N/PEN) (max.)	50 mm <sup>2</sup> stranded/35 mm <sup>2</sup> flexible
Cross-sectional area (L', N'/PEN) (max.)	35 mm <sup>2</sup> stranded/25 mm <sup>2</sup> 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)

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.