

### DB 3 255 H (900 120)

- 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

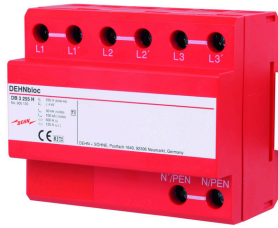
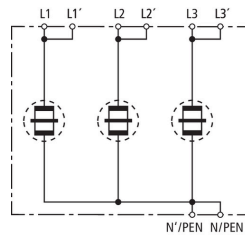
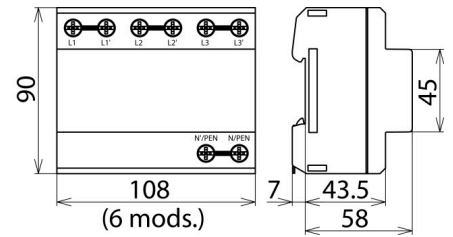


Figure without obligation



Basic circuit diagram DB 3 255 H



Dimension drawing DB 3 255 H

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

Type	DB 3 255 H
Part No.	900 120
SPD according to EN 61643-11 / IEC 61643-11	type 1 / class I
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) [L-N/PEN] ( $I_{imp}$ )	50 kA
Specific energy [L-N/PEN] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 $\mu$ s) [L1+L2+L3-N/PEN] ( $I_{total}$ )	100 kA
Specific energy [L1+L2+L3-N/PEN] (W/R)	2.50 MJ/ohms
Voltage protection level ( $U_P$ )	$\leq 4$ kV
Follow current extinguishing capability (a.c.) ( $I_n$ )	50 kA <sub>rms</sub>
Follow current limitation / Selectivity	no tripping of a 32 A 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 gG
Max. backup fuse up to $I_K = 50$ kA <sub>rms</sub> ( $t_a \leq 5$ s)	315 A gG
Max. backup fuse for $I_K > 50$ kA <sub>rms</sub>	200 A gG
Max. backup fuse (L-L')	125 A gG
Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic	440 V / 120 min. – 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 (L1, L1', L2, L2', L3, L3', N/PEN, N'/PEN)	10 mm <sup>2</sup> solid/flexible
Cross-sectional area (L1, L2, L3, N/PEN)	50 mm <sup>2</sup> stranded / 35 mm <sup>2</sup> flexible
Cross-sectional area (L1', L2', L3', N'/PEN)	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	6 module(s), DIN 43880
Approvals	KEMA
Weight	873 g
Customs tariff number	85363090
GTIN	4013364109377
PU	1 Stk

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.