

DB 3 255 H (900 120)

- Encapsulated creepage discharge spark gap without venting means
- RADAX Flow spark gap technology with high follow current limitation
- Can also be used upstream meter panels due to high insulation resistance

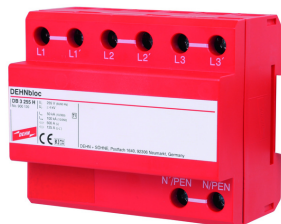
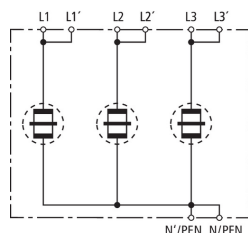
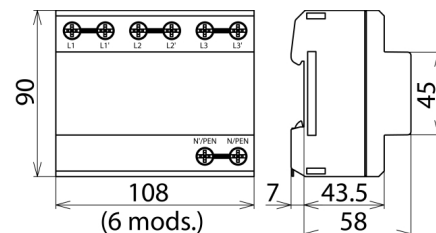


Figure without obligation



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 μ s) [L-N/PEN] (I_{imp})	50 kA
Specific energy [L-N/PEN] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 μ 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)	≤ 4 kV
Follow current extinguishing capability (a.c.) (I_n)	50 kA _{rms}
Follow current limitation / Selectivity	no tripping of a 32 A 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 gG
Max. backup fuse up to $I_k = 50$ kA _{rms} ($t_a \leq 5$ s)	315 A gG
Max. backup fuse for $I_k > 50$ kA _{rms}	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 ² solid/flexible
Cross-sectional area (L1, L2, L3, N/PEN)	50 mm ² stranded / 35 mm ² flexible
Cross-sectional area (L1', L2', L3', N'/PEN)	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	6 module(s), DIN 43880
Approvals	KEMA
Weight	873 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364109377
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.