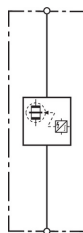


DBM NH00 255 (900 255)

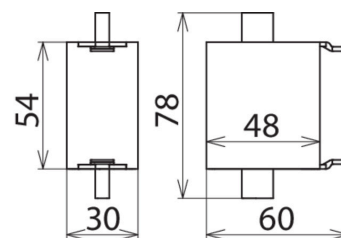
- Encapsulated RADAX Flow spark gap with high follow current limitation
- High lightning current discharge capacity
- Directly coordinated with DEHNguard ... and V(A) NH ... surge protective devices without additional cable length



Figure without obligation



Basic circuit diagram DBM NH00 255



Dimension drawing DBM NH00 255

Coordinated single-pole lightning current arrester in NH00 design with high follow current limitation for $U_c = 255 \text{ V}$.

Type	DBM NH00 255
Part No.	900 255
SPD according to EN 61643-11 / IEC 61643-11	type 1 / class I
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U_c)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μs) (I_{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Voltage protection level (U_P)	$\leq 2.5 \text{ kV}$
Follow current extinguishing capability (a.c.) (I_f)	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)	$\leq 100 \text{ ns}$
Max. backup fuse (L) up to $I_K = 50 \text{ kA}_{\text{rms}}$	315 A gG
Temporary overvoltage (TOV) (UT) – Characteristic	440 V / 120 min. – withstand
Operating temperature range (parallel connection) (T_{UP})	-40 °C ... +80 °C
Number of ports	1
For mounting on	NH fuse holders of size NH00
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	according to installation situation
Extended technical data:	Use in switchgear installations with prospective short-circuit currents of more than 50 kA_{rms} (tested by the German VDE)
– Max. prospective short-circuit current	100 kA_{rms} (220 kA_{peak})
– Limitation / Extinction of mains follow currents	up to 100 kA_{rms} (220 kA_{peak})
– Max. backup fuse (L) up to $I_K = 100 \text{ kA}_{\text{rms}}$	315 A gG
Weight	194 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364125773
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.