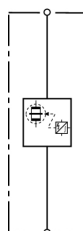


DBM NH00 255 (900 255)

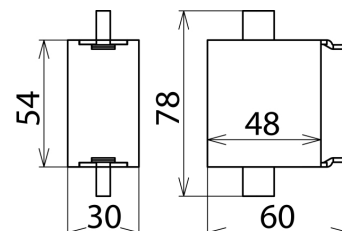
- Encapsulated RADAX Flow spark gap with high follow current limitation
- High lightning current discharge capacity
- Directly coordinated with DEHNguard ... and V(A) NH ... surge protective devices without additional cable length



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 | Type 1 |
| SPD according to IEC 61643-1/-11 | Class I |
| Max. continuous operating a.c. voltage (U_C) | 255 V |
| Lightning impulse current (10/350 μs) (I_{imp}) | 25 kA |
| Specific energy (W/R) | 156.25 kJ/ohms |
| Nominal discharge current (8/20 μs) (I_n) | 25 kA |
| Voltage protection level (U_P) | $\leq 2.5\text{ kV}$ |
| Follow current extinguishing capability a.c. (I_R) | 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) | $\leq 100\text{ ns}$ |
| Max. backup fuse (L) up to $I_K = 50\text{ kA}_{rms}$ | 315 A gL/gG |
| Temporary overvoltage (TOV) (U_T) | 440 V / 5 sec. |
| TOV characteristic | 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 | IPX4W |
| Extended technical data: | Use in installations with prospective short-circuit currents of more than 50 kA_{rms} (tested by VDE) |
| - Maximum 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 $I_K = 100\text{ kA}_{rms}$ | 315 A gL/gG |
| Weight | 194 g |
| Customs tariff number | 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.