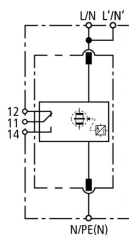


DB M 1 320 FM (961 135)

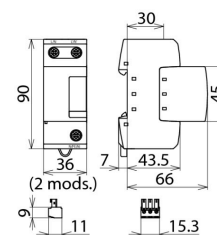
- Coordinated spark-gap-based lightning current arrester consisting of a base part and a plug-in protection module
- Maximum system availability due to RADAX Flow follow current limitation
- Without additional cable length directly coordinated with DEHNguard surge protective device



Figure without obligation



Basic circuit diagram DB M 1 320 FM



Dimension drawing DB M 1 320 FM

Coordinated and modular single-pole lightning current arrester with high follow current limitation; with remote signalling contact for the monitoring system (floating changeover contact).

| Type | DB M 1 320 FM |
|---|---|
| Part No. | 961 135 |
| SPD according to EN 61643-11 / IEC 61643-11 | type 1 / class I |
| Nominal voltage (a.c.) (U_N) | 277 V (50 / 60 Hz) |
| Max. continuous operating voltage (a.c.) (U_C) | 320 V (50 / 60 Hz) |
| Lightning impulse current (10/350 μ s) (I_{imp}) | 25 kA |
| Specific energy (W/R) | 156.25 kJ/ohms |
| Voltage protection level (U_P) | ≤ 2.5 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) | ≤ 100 ns |
| Max. backup fuse (L) up to $I_K = 50$ kA _{rms} ($t_a \leq 0.2$ s) | 315 A gG |
| Max. backup fuse (L) up to $I_K = 50$ kA _{rms} ($t_a \leq 5$ s) | 315 A gG |
| Max. backup fuse (L) for $I_K > 50$ kA _{rms} | 200 A gG |
| Max. backup fuse (L-L') | 125 A gG |
| Temporary overvoltage (TOV) (U_T) – Characteristic | 530 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 |
| Operating state / fault indication | green / red |
| Number of ports | 1 |
| Cross-sectional area (L/N, L'/N', N/PE (N)) (min.) | 10 mm ² solid / flexible |
| Cross-sectional area (L/N, N/PE(N)) (max.) | 50 mm ² stranded / 35 mm ² flexible |
| Cross-sectional area (L'/N') (max.) | 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 | 2 module(s), DIN 43880 |
| Approvals | UL |
| Type of remote signalling contact | changeover contact |
| Switching capacity (a.c.) | 250 V / 0.5 A |
| Switching capacity (d.c.) | 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A |
| Cross-sectional area for remote signalling terminals | max. 1.5 mm ² solid / flexible |
| Weight | 330 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363090 |
| GTIN | 4013364118645 |
| 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.