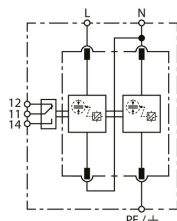


NEW DVA M NG 1P 50 FM (900 351)

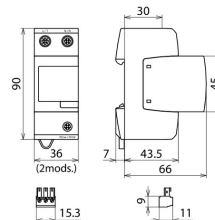
- Prewired, spark-gap-based type 1 + type 2 combined lightning current and surge arrester consisting of a base part and plug-in protection module
- Compact unit fulfils maximum safety requirements thanks to Rapid Arc Control (RAC)
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DVA M NG 1P 50 FM



Dimension drawing DVA M NG 1P 50 FM

Modular combined arrester for single-phase TT and TN systems (1+1 circuit) for protecting 230 V power supply systems of cell sites.

Type Part No.	DVA M NG 1P 50 FM 900 351
SPD according to EN 61643-11 / ... IEC 61643-11	type 1 + type 2 / class I + class II
Energy coordination with terminal equipment (≤ 10 m)	type 1 + type 2 + type 3
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N]/[N-PE] (U_C)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μ s) [L-N]/[N-PE] (I_{imp})	25 / 50 kA
Lightning impulse current (10/350 μ s) [L+N-PE] (I_{total})	50 kA
Nominal discharge current (8/20 μ s) [L-N]/[N-PE] (I_n)	25 / 50 kA
Specific energy [L-N]/[N-PE] (W/R)	156.25 / 625.00 kJ/ohms
Specific energy [L+N-PE] (W/R)	625.00 kJ/ohms
Voltage protection level [L-N]/[N-PE] (U_P)	≤ 1.5 / ≤ 1.5 kV
Follow current extinguishing capability [L-N]/[N-PE] (I_a)	25 kA _{rms} / 100 A _{rms}
Follow current limitation / Selectivity	No tripping of a 35 A gG fuse up to 25 kA _{rms} (prosp.)
Response time (t_a)	≤ 100 ns
Max. backup fuse (L) up to $I_K = 25$ kA _{rms}	250 A gG
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	440 V / 120 min. – withstand
Temporary overvoltage (TOV) [N-PE] (U_T) – Characteristic	1200 V / 200 ms – withstand
Let-through energy in combination with an MOV S20K275 ($I_{imp} = 2.5 \dots 25$ kA)	< 1 J
Operating temperature range [parallel]/[series] (T_U)	-40 °C ... +80 °C / -40 °C ... +60 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L, N, PE, $\perp$) (min.)	10 mm ² solid / flexible
Cross-sectional area (L, N, PE, $\perp$) (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	KEMA
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
Extended technical data:	-----
– Voltage protection level [L-PE] (U_P)	1.8 kV
Weight	280 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364455948
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.