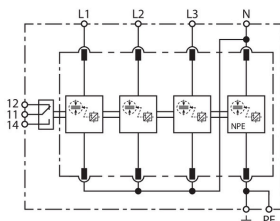


DVA EMOB M 3P 255 FM (900 585)

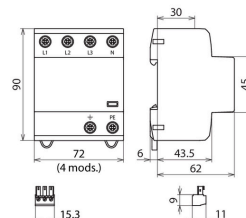
- Universally applicable combined lightning current and surge arrester, particularly for use in power supply systems for the charging infrastructure
- Consisting of a base part and pluggable protection module based on RAC spark gap technology
- Only 1 standard DIN module per pole, allows space-saving installation
- Energy-coordinated protection effect with terminal equipment Type 1 + type 2 + type 3
- Residual energy with S20K275 terminal device varistor < 0.5 J
- Maximum backup fuse up to 250 A gG
- Insulation measurement possible up to 500 V DC when connected



Figure without obligation



Basic circuit diagram DVA EMOB M 3P 255 FM



Dimension drawing DVA EMOB M 3P 255 FM

Prewired combined lightning current and surge arrester for use in three-phase TT and TN-S systems (3+1 configuration) with remote signalling contact.

Type Part No.	DVA EMOB M 3P 255 FM 900 585
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 / 400 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})	12.5 / 50 kA
Specific energy [L-N]/[N-PE] (W/R)	39.06 kJ/ohms / 625.00 kJ/ohms
Nominal discharge current (8/20 μ s) (I_n)	25 / 100 kA
Voltage protection level [L-N]/[N-PE] (U_p)	≤ 1.5 kV / ≤ 1.5 kV
Follow current extinguishing capability [L-N]/[N-PE] (I_a)	50 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 $I_K \leq 50$ 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
Operating temperature range [parallel]/[series] (T_U)	-40°C...+80°C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L1, L2, L3, N, PE, $\perp$) (min.)	1.5 mm ² solid / flexible
Cross-sectional area (L1, L2, L3, 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	4 module(s), DIN 43880
Approvals	KEMA, 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
Insulation measurement possible when connected	up to 500 V DC
Weight	534 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364498983
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.