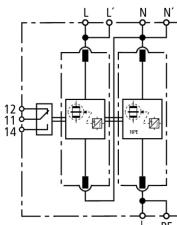


DV M TT 2P 255 FM (951 115)

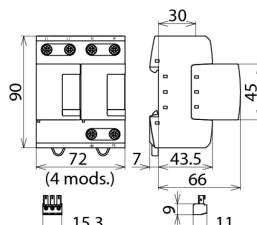
- Prewired spark-gap-based type 1 and type 2 combined lightning current and surge arrester consisting of a base part and plug-in protection modules
- Maximum system availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DV M TT 2P 255 FM



Dimension drawing DV M TT 2P 255 FM

Modular combined lightning current and surge arrester for single-phase TT and TN systems ("1+1" circuit).

Type	DV M TT 2P 255 FM
Part No.	951 115
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
Energy coordination with terminal equipment ($\leq 5 \text{ m}$)	type 1 + type 2 + type 3
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [$L-N$] (U_C)	264 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [$N-PE$] ($U_{C(N-PE)}$)	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μs) [$L+N-PE$] (I_{imp})	50 kA
Specific energy [$L+N-PE$] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 μs) [$L-N$]/[$N-PE$] (I_{imp})	25 / 50 kA
Specific energy [$L-N$]/[$N-PE$] (W/R)	156.25 / 625.00 kJ/ohms
Nominal discharge current (8/20 μs) [$L-N$]/[$N-PE$] (I_n)	25 / 50 kA
Voltage protection level [$L-N$]/[$N-PE$] (U_P)	$\leq 1.5 / \leq 1.5 \text{ kV}$
Follow current extinguishing capability [$L-N$]/[$N-PE$] (I_h)	50 kA _{rms} / 100 A _{rms}
Follow current limitation / Selectivity	no tripping of a 20 A gG fuse up to 50 kA _{rms} (prosp.)
Response time (t_R)	$\leq 100 \text{ ns}$
Max. backup fuse (L) up to $I_K = 50 \text{ kA}_{\text{rms}}$	315 A gG
Max. backup fuse ($L-L'$)	125 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 / -40 °C ... +60 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L, L', N, N', PE, $\frac{1}{2}$) (min.)	10 mm ² solid / flexible
Cross-sectional area (L, N, PE) (max.)	50 mm ² stranded / 35 mm ² flexible
Cross-sectional area (L', N', $\frac{1}{2}$) (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, VDE, UL, VdS
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:	For 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	664 g
Customs tariff number	85363030
GTIN	4013364108127
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.