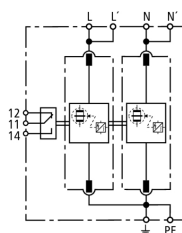


DV M TN 255 FM (951 205)

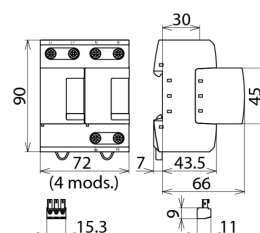
- Prewired spark-gap-based combined lightning current and surge arrester consisting of a base part and plug-in protection modules
- Maximum system availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DV M TN 255 FM



Dimension drawing DV M TN 255 FM

Modular combined lightning current and surge arrester for single-phase TN systems

Type Part No.	DV M TN 255 FM 951 205
SPD according to EN 61643-11 / IEC 61643-1/-11	Type 1 / Class I
Energy coordination with terminal equipment	Type 1 + Type 2
Energy coordination with terminal equipment ($\leq 5\text{m}$)	Type 1 + Type 2 + Type 3
Nominal a.c. voltage (U_N)	230 V
Max. continuous operating a.c. voltage (U_C)	255 V
Lightning impulse current (10/350 μs) [L+N-PE] (I_{total})	50 kA
Specific energy [L+N-PE] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 μs) [L, N-PE] (I_{imp})	25 kA
Specific energy [L,N-PE] (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 μs) (I_n)	25 / 50 kA
Voltage protection level [L-PE]/[N-PE] (U_P)	$\leq 1.5\text{ kV} / \leq 1.5\text{ kV}$
Follow current extinguishing capability a.c. (I_{ri})	50 kA _{rms}
Response time (t_A)	$\leq 100\text{ ns}$
Follow current limitation/Selectivity	no tripping of a 20 A gL/gG fuse up to 50 kA _{rms} (prosp.)
Max. backup fuse (L) up to $I_k = 50\text{ kA}_{\text{rms}}$	315 A gL/gG
Max. backup fuse (L) for $I_k > 50\text{ kA}_{\text{rms}}$	200 A gL/gG
Max. backup fuse (L-L')	125 A gL/gG
Temporary overvoltage (TOV) [L-N] (U_T)	440 V / 5 sec.
TOV characteristic	withstand
Operating temperature range [parallel]/[series] (T_U)	$-40^\circ\text{C} \dots +80^\circ\text{C} / -40^\circ\text{C} \dots +60^\circ\text{C}$
Operating state/fault indication	green / red
Number of ports	1
Cross-sectional area (L, L', N, N', PE, \pm) (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', \pm) (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
a.c. switching capacity	250 V/0.5 A
d.c. switching capacity	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	668 g
Customs tariff number	85363030
GTIN	4013364108103
PU	1 pc(s)



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.