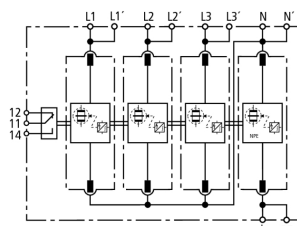


DV M TT 255 FM (951 315)

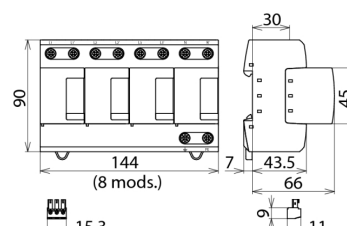
Prewired spark-gap-based combined lightning current and surge arrester consisting of a base part and plug-in protection modules
Maximum system availability due to RADAX Flow follow current limitation
Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DV M TT 255 FM



Dimension drawing DV M TT 255 FM

Modular combined lightning current and surge arrester for TT and TN-S systems ("3+1" circuit)

Type	DV M TT 255 FM
Part No.	951 315
SPD according to EN 61643-11 / IEC 61643-1	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 / 400 V
Max. continuous operating a.c. voltage (U_C)	255 V
Lightning impulse current (10/350 μs) [$L1+L2+L3+N-PE$] (I_{total})	100 kA
Specific energy [$L1+L2+L3+N-PE$] (W/R)	2.50 MJ/ohms
Lightning impulse current (10/350 μs) [$L-N$]/[$N-PE$] (I_{imp})	25 / 100 kA
Specific energy [$L-N$]/[$N-PE$] (W/R)	156.25 kJ/ohms / 2.50 MJ/ohms
Nominal discharge current (8/20 μs) (I_n)	25 / 100 kA
Voltage protection level [$L-N$]/[$N-PE$] (U_p)	$\leq 1.5\text{ kV}$ / $\leq 1.5\text{ kV}$
Follow current extinguishing capability [$L-N$]/[$N-PE$] (I_{th})	50 kA_{rms} / 100 A_{rms}
Follow current limitation/Selectivity	no tripping of a 20 A gL/gG fuse up to 50 kA_{rms} (prosp.)
Response time (t_A)	$\leq 100\text{ ns}$
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.
Temporary overvoltage (TOV) [$N-PE$] (U_T)	1200 V / 200 ms
TOV characteristic	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 (L1, L1', L2, L2', L3, L3', N, N', PE, GND) (min.)	10 mm ² solid/flexible
Cross-sectional area (L1, L2, L3, N, PE) (max.)	50 mm ² stranded/35 mm ² flexible
Cross-sectional area (L1', L2', L3', N', \varnothing) (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
Degree of protection	IP 20
Capacity	8 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	1,28 kg
Customs tariff number	85363030
GTIN	4013364108189
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.