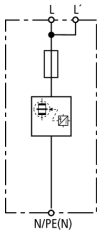
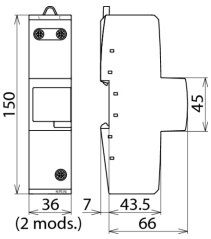
NEW DVCI 1 255 (961 200)

- Spark-gap-based combined lightning current and surge arrester with integrated backup fuse
- Maximum system availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment

Figure without obligation



Basic circuit diagram DVCI 1 255



Dimension drawing DVCI 1 255

Combined lightning current and surge arrester with integrated backup fuse

Type Part No.	DVCI 1 255 961 200
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 (≤ 5 m)	Type 1 + Type 2 + Type 3
Nominal a.c. voltage (U_N)	230 V
Maximum continuous operating a.c. voltage (U_C)	255 V
Lightning impulse current (10/350 µs) (I_{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 µs) (I_n)	25 kA
Voltage protection level (U_P)	≤ 1.5 kV
Follow current extinguishing capability a.c. (I_{fi})	50 kA_{rms}
Follow current limitation/Selectivity	no tripping of a 20 A gL/gG fuse up to 50 kA_{rms} (prosp.)
Response time (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	not required
Max. backup fuse (L-L')	125 A gL/gG
Temporary overvoltage (TOV) (U_T)	440 V / 5 sec.
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 (L, L', N/PE(N)) (min.)	10 mm^2 solid/flexible
Cross-sectional area (L, N/PE(N)) (max.)	50 mm^2 stranded/35 mm^2 flexible
Cross-sectional area (L') (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
Extended technical data:	**Use in installations with prospective short-circuit currents of more than 50 kA_{rms} (tested by VDE)**
– Maximum prospective short-circuit current	100 kA_{rms} (220 kA_{peak})
– Limitation/extinction of mains follow currents	up to 100 kA_{rms} (220 kA_{peak})
Weight	446 g
Customs tariff number	85363030
GTIN	4013364145108
PU	1 pc(s)