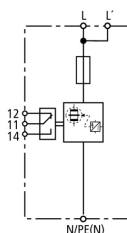


**NEW** DVCI 1 255 FM (961 205)

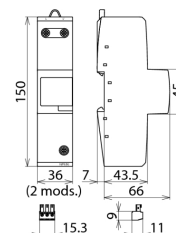
- Spark-gap-based combined lightning current and surge arrester with integrated backup fuse
- Maximum system availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DVCI 1 255 FM



Dimension drawing DVCI 1 255 FM

Combined lightning current and surge arrester with integrated backup fuse

Type	DVCI 1 255 FM
Part No.	961 205
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 ( $\leq 5$ 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 $\mu$ s) ( $I_{imp}$ )	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	25 kA
Voltage protection level ( $U_P$ )	$\leq 1.5$ kV
Follow current extinguishing capability a.c. ( $I_n$ )	50 kA <sub>rms</sub>
Follow current limitation/Selectivity	no tripping of a 20 A gL/gG fuse up to 50 kA <sub>rms</sub> (prosp.)
Response time ( $t_A$ )	$\leq 100$ 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 <sup>2</sup> solid/flexible
Cross-sectional area (L, N/PE(N)) (max.)	50 mm <sup>2</sup> stranded/35 mm <sup>2</sup> flexible
Cross-sectional area (L') (max.)	35 mm <sup>2</sup> stranded/25 mm <sup>2</sup> 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
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 <sup>2</sup> solid/flexible
<b>Extended technical data:</b>	<b>Use in installations with prospective short-circuit currents of more than 50 kA<sub>rms</sub> (tested by VDE)</b>
- Maximum prospective short-circuit current	100 kA <sub>rms</sub> (220 kA <sub>peak</sub> )
- Limitation/extinction of mains follow currents	up to 100 kA <sub>rms</sub> (220 kA <sub>peak</sub> )
Weight	450 g
Customs tariff number	85363030
GTIN	4013364145115
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.