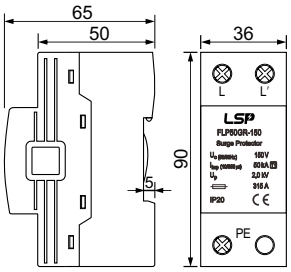
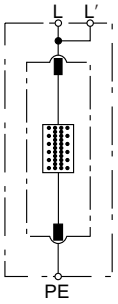
FLP50GR-150/1

Integral housing coordinated lightning current and surge arrester for protecting power supply system against surges.

- Coordinated spark-gap-based lightning current and surge arrester
- Maximum systems availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment



Dimensions



Basic circuit diagram

Type		FLP50GR-150/1
SPD according to EN 61643-11 / IEC 61643-11		type 1 / class I
Nominal a.c. voltage	U_n	120 V AC (50/60 Hz)
Max. continuous operating a.c. voltage	U_c	150 V AC (50/60 Hz)
Lightning impulse current (10/350µs) [L-PE]	I_{imp}	50 kA
Specific energy [L-PE] (W/R)		625,00 kJ/ohms
Voltage protection level	U_P	2,0 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 kArms (prosp.)
Response time	t_A	< 100 ns
Max. backup fuse (L) up to I_K = 50 kA_{rms} (ta < 0,2 s)		500 A gL/gG
Max. backup fuse (L) up to I_K = 50 kA_{rms} (ta < 5 s)		315 A gL/gG
Max. backup fuse (L) up to I_K > 50 kA_{rms}		200 A gL/gG
Max. backup fuse (L-L')		125 A gL/gG
Temporary overvoltage (TOV) (U_T) - Characteristic		230 V / 120 min. - withstand
Range of operating temperatures [parallel] / [series]	T_U	-40...+80°C / -40...+60°C
Operating state / fault indication		–
Number of ports		1
Cross-sectional area (L, L', PE) (min.)		10 mm^2 solid / flexible
Cross-sectional area (L, PE) (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 rail acc. to EN 60715
Enclosure material		thermoplastic
Place of installation		indoor installation
Degree of protection		IP20
Capacity		2 module(s), DIN 43880
Approvals		CE