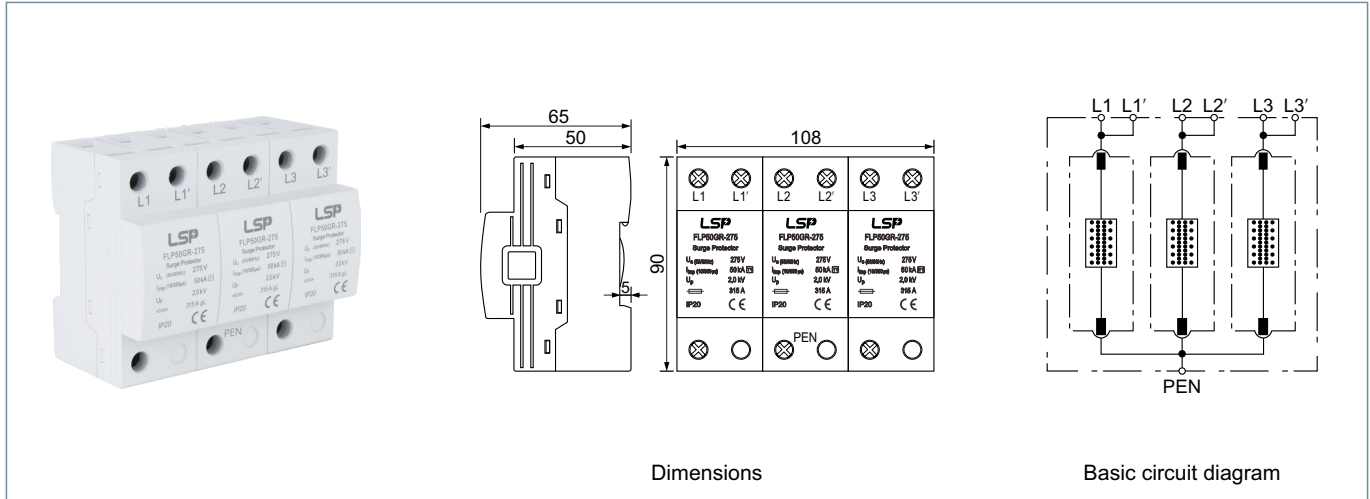


FLP50GR-275/3

Integral housing coordinated lightning current and surge arrester for protecting three-phase TN-C systems 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-275/3
SPD according to EN 61643-11 / IEC 61643-11		type 1 / class I
Nominal a.c. voltage	U_n	230 / 400 V AC (50/60 Hz)
Max. continuous operating a.c. voltage	U_c	275 V AC (50/60 Hz)
Lightning impulse current (10/350 μ s) [L1+L2+L3-PEN]	I_{total}	150 kA
Specific energy [L1+L2+L3-PEN] (W/R)		2,5 MJ/ohms
Lightning impulse current (10/350 μ s) [L-PEN]	I_{imp}	50 kA
Specific energy [L-PEN] (W/R)		625,00 kJ/ohms
Nominal discharge current (8/20 μ s) [L-PE]/[L1+L2+L3-PEN]	I_n	50 kA / 150 kA
Voltage protection level [L-PEN]	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 kA _{rms} (prosp.)
Response time	t_A	< 100 ns
Max. backup fuse (L) up to $I_K = 50$ kA _{rms} ($t_a < 0,2$ s)		500 A gL/gG
Max. backup fuse (L) up to $I_K = 50$ kA _{rms} ($t_a < 5$ 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		530 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 (L1, L1', L2, L2', L3, L3', PEN) (min.)		10 mm ² solid / flexible
Cross-sectional area (L1, L2, L3, PEN) (max.)		50 mm ² stranded / 35 mm ² flexible
Cross-sectional area (L1', L2', L3') (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		6 module(s), DIN 43880
Approvals		CE