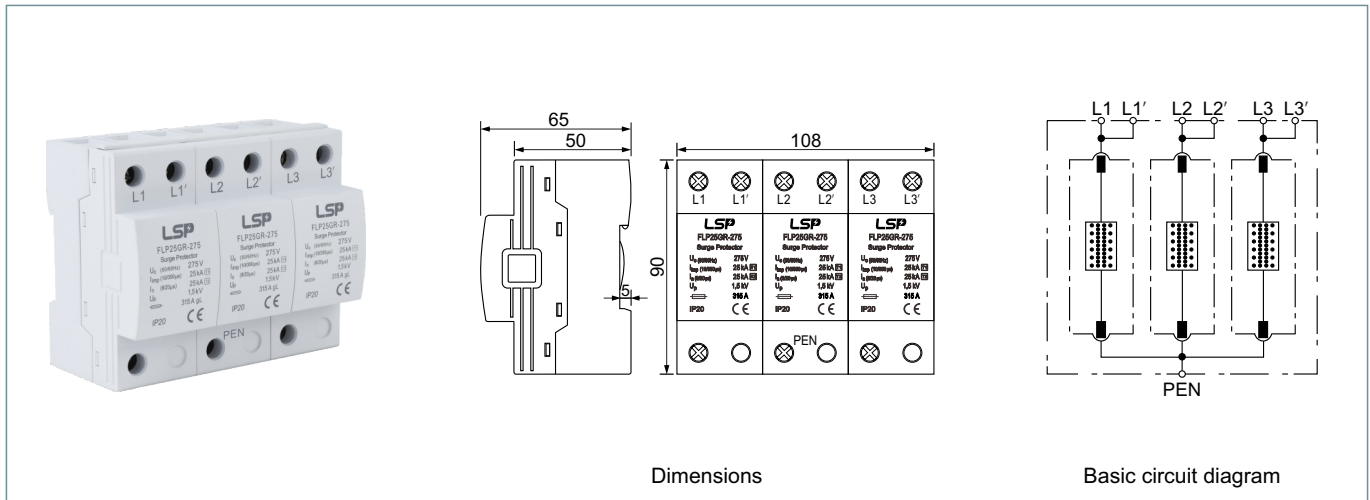


FLP25GR-275/3

Integral housing combined lightning current and surge arrester for protecting three-phase TN-C systems against surges.

- Prewired spark-gap-based type 1 and type 2 combined lightning current and surge arrester
- Maximum systems availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment



Type	FLP25GR-275/3	
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II	
Energy coordination with terminal equipment (< 5m)	type 1 + type 2 + type 3	
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}	75 kA
Specific energy [L1+L2+L3-PEN] (W/R)		1,4 MJ/ohms
Lightning impulse current (10/350 μ s) [L-PEN]	I_{imp}	25 kA
Specific energy [L-PEN] (W/R)		156,25 kJ/ohms
Nominal discharge current (8/20 μ s) [L-PE]/[L1+L2+L3-PEN]	I_n	25 kA / 75 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. backup fuse (L) up to $I_k = 50$ kA _{rms}		315 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, 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', PEN') (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