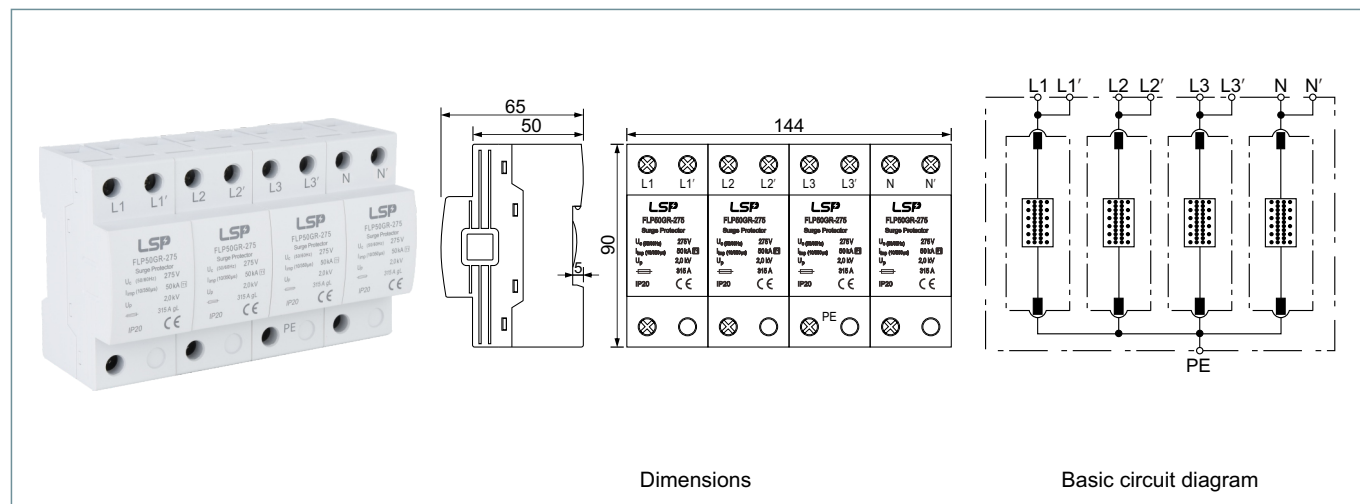


FLP50GR-275/4

Integral housing combined lightning current and surge arrester for protecting three-phase TN-S 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



| Type | FLP50GR-275/4 | |
|--|------------------|--|
| 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+N-PE] | I_{total} | 200 kA |
| Specific energy [L1+L2+L3+N-PE] (W/R) | | 2,5 MJ/ohms |
| Lightning impulse current (10/350 μ s) [L, N-PE] | I_{imp} | 50 kA |
| Specific energy [L, N-PE] (W/R) | | 625,00 kJ/ohms |
| Nominal discharge current (8/20 μ s) [L, N-PE]/[L1+L2+L3+N-PE] | I_n | 50 kA / 200 kA |
| Voltage protection level [L-PE]/[N-PE] | U_p | 2,0 kV / 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) [L-N] (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', N, N', PE) (min.) | | 10 mm ² solid / flexible |
| Cross-sectional area (L1, L2, L3, N, PE) (max.) | | 50 mm ² stranded / 35 mm ² flexible |
| Cross-sectional area (L1', L2', L3', N') (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 | | 8 module(s), DIN 43880 |
| Approvals | | CE |