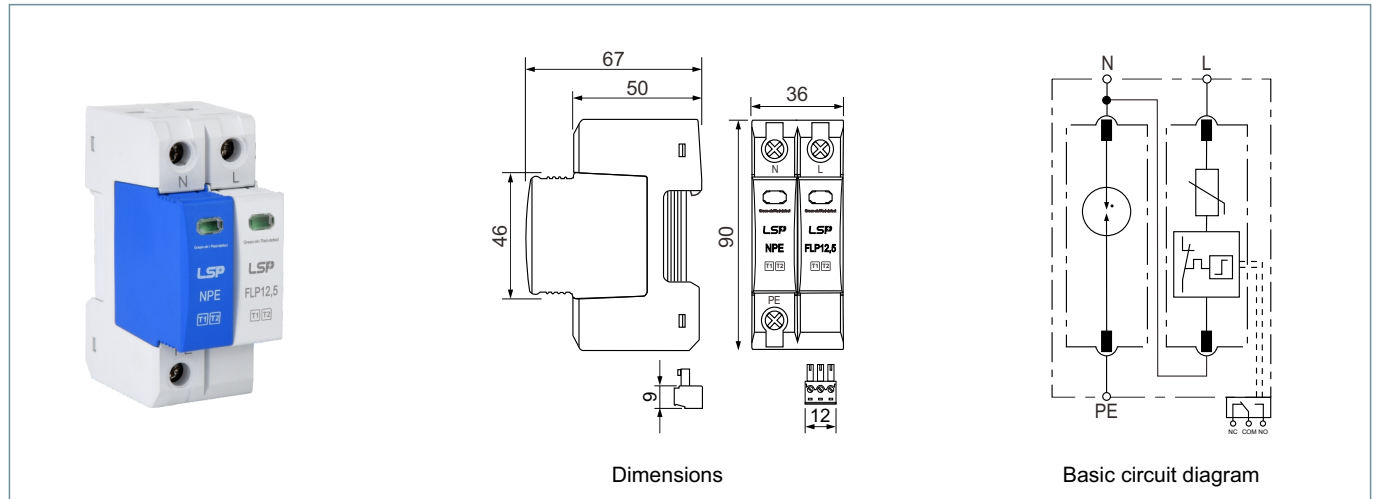


FLP12,5-320/1+1
FLP12,5-320/1S+1

Modular surge arrester for use in single-phase TT and TN systems ("1+1" circuit); with floating remote signalling contact.

- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



| Type | | FLP12,5-320/1+1 | FLP12,5-320/1S+1 |
|--|------------|---|---|
| SPD according to EN 61643-11 / IEC 61643-11 | | type 1 + type 2 / class I + class II | type 1 + type 2 / class I + class II |
| Nominal a.c. voltage | U_n | 230 / 400 V AC (50/60 Hz) | 230 / 400 V AC (50/60 Hz) |
| Max. continuous operating a.c. voltage [L-N] | U_c | 320 V AC (50/60 Hz) | 320 V AC (50/60 Hz) |
| Max. continuous operating a.c. voltage [N-PE] | U_c | 255 V AC (50/60 Hz) | 255 V AC (50/60 Hz) |
| Nominal discharge current (8/20 μ s) | I_n | 20 kA | 20 kA |
| Maximum discharge current (8/20 μ s) | I_{max} | 50 kA | 50 kA |
| Lightning impulse current (10/350 μ s) [L-N] | I_{imp} | 12,5 kA | 12,5 kA |
| Lightning impulse current (10/350 μ s) [N-PE] | I_{imp} | 50 kA | 50 kA |
| Voltage protection level [L-N] | U_p | 2,0 kV | 2,0 kV |
| Voltage protection level [N-PE] | U_p | 1,5 kV | 1,5 kV |
| Follow current extinguishing capability [N-PE] | I_{fi} | 100 A _{rms} | 100 A _{rms} |
| Response time [L-N] | t_a | 25 ns | 25 ns |
| Response time [N-PE] | t_a | 100 ns | 100 ns |
| Max. mains-side over-current protection | | 160 A gL/gG | 160 A gL/gG |
| Short-circuit current rating | I_{SCCR} | 25 kA _{rms} | 25 kA _{rms} |
| Temporary overvoltage (TOV) [L-N] (U_T) - Characteristic | | 335 V / 5 sec. - withstand | 335 V / 5 sec. - withstand |
| Temporary overvoltage (TOV) [L-N] (U_T) - Characteristic | | 440 V / 120 min. - safe failure | 440 V / 120 min. - safe failure |
| Temporary overvoltage (TOV) [N-PE] (U_T) - Characteristic | | 1200 V / 200 ms - withstand | 1200 V / 200 ms - withstand |
| Range of operating temperatures | T_U | -40/+80°C | -40/+80°C |
| Operating state / fault indication | | green / red | green / red |
| Number of ports | | 1 | 1 |
| Cross-sectional area (min.) | | 1.5 mm ² solid /flexible | 1.5 mm ² solid /flexible |
| Cross-sectional area (max.) | | 35 mm ² stranded / 25 mm ² flexible | 35 mm ² stranded / 25 mm ² flexible |
| For mounting on | | 35 mm DIN rail acc. to EN 60715 | 35 mm DIN rail acc. to EN 60715 |
| Enclosure material | | thermoplastic | thermoplastic |
| Place of installation | | indoor installation | indoor installation |
| Degree of protection | | IP 20 | IP 20 |
| Capacity | | 2 module(s), DIN 43880 | 2 module(s), DIN 43880 |
| Approvals | | CE | CE |
| Type of remote signalling contact | | - | changeover contact |
| a.c. switching capacity | | - | 250V / 0.5 A |
| d.c. switching capacity | | - | 250V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A |
| Cross-sectional area for remote signalling terminals | | - | max. 1.5 mm ² solid / flexible |