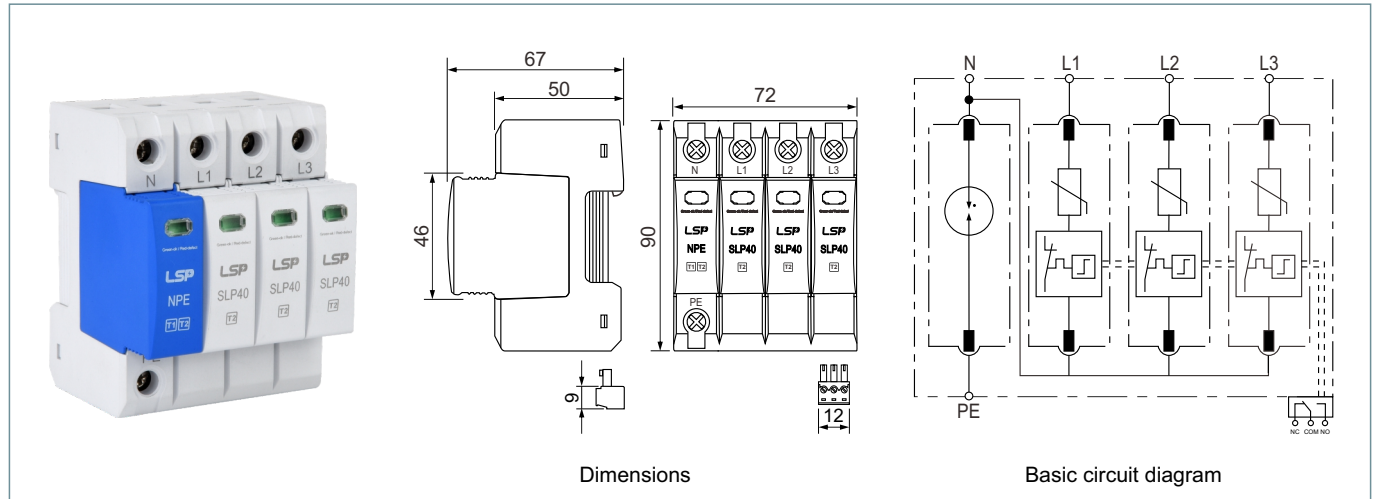


**SLP40-1000/3+1**  
**SLP40-1000/3S+1**

Modular surge arrester for use in TT and TN-S systems ("3+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  |            | SLP40-1000/3+1  | SLP40-1000/3S+1   |
|---|------------|---|---|
| SPD according to EN 61643-11 / IEC 61643-11                   |            | type 2 / class II   | type 2 / class II   |
| Nominal a.c. voltage  | $U_n$      | 900 V AC (50/60 Hz)                                       | 900 V AC (50/60 Hz)                                       |
| Max. continuous operating a.c. voltage [L-N]                  | $U_c$      | 1000 V AC (50/60 Hz)                                      | 1000 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 $\mu$ s)                      | $I_n$      | 20 kA   | 20 kA   |
| Maximum discharge current (8/20 $\mu$ s)                      | $I_{max}$  | 40 kA   | 40 kA   |
| Lightning impulse current (10/350 $\mu$ s) [N-PE]             | $I_{imp}$  | 12 kA   | 12 kA   |
| Voltage protection level [L-N]                                | $U_p$      | 4,2 kV  | 4,2 kV  |
| Voltage protection level [N-PE]                               | $U_p$      | 1,5 kV  | 1,5 kV  |
| Follow current extinguishing capability [N-PE]                | $I_{fi}$   | 100 A <sub>rms</sub>                                      | 100 A <sub>rms</sub>                                      |
| 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                       |            | 100 A gL/gG   | 100 A gL/gG   |
| Short-circuit current rating                                  | $I_{SCCR}$ | 25 kA <sub>rms</sub>                                      | 25 kA <sub>rms</sub>                                      |
| Temporary overvoltage (TOV) [L-N] ( $U_T$ ) - Characteristic  |            | 1205 V / 5 sec.<br>- withstand                            | 1205 V / 5 sec.<br>- withstand                            |
| Temporary overvoltage (TOV) [L-N] ( $U_T$ ) - Characteristic  |            | 1580 V / 120 min.<br>- safe failure                       | 1580 V / 120 min.<br>- safe failure                       |
| Temporary overvoltage (TOV) [N-PE] ( $U_T$ ) - Characteristic |            | 1200 V / 200 ms<br>- withstand                            | 1200 V / 200 ms<br>- 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 <sup>2</sup> solid /flexible                       | 1.5 mm <sup>2</sup> solid /flexible                       |
| Cross-sectional area (max.)                                   |            | 35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible | 35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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  |            | 4 module(s), DIN 43880                                    | 4 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 <sup>2</sup> solid / flexible                 |