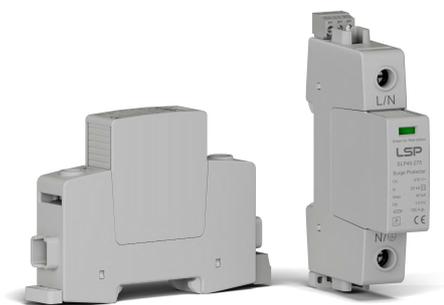


# AC Surge Protective Device

## SLP40-xxx/1(S)

Class II • Type 2



Location of Use: Sub-Distribution Boards  
 Network Systems: TN-S, TN-C, TT (only L-N)  
 Mode of Protection: L-PE, N-PE (only TN-S), L-PEN, L-N  
 Surge Ratings:  $I_n = 20 \text{ kA}$  (8/20  $\mu\text{s}$ )  
 IEC/EN Category: Class II / Type 2  
 Protective Elements: High Energy MOV  
 Housing: Pluggable Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012

### Technical Data

| SLP40-xxx/1(S)                                  |             | 75                                                                                                                 | 150       | 275       | 320       | 385       | 440       |
|-------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| <b>IEC Electrical</b>                           |             |                                                                                                                    |           |           |           |           |           |
| Nominal AC Voltage (50/60 Hz)                   | $U_o / U_n$ | 60 V                                                                                                               | 120 V     | 230 V     | 230 V     | 230 V     | 400 V     |
| Maximum Continuous Operating Voltage (AC)       | $U_c$       | 75 V                                                                                                               | 150 V     | 275 V     | 320 V     | 385 V     | 440 V     |
| Nominal Discharge Current (8/20 $\mu\text{s}$ ) | $I_n$       | 20 kA                                                                                                              | 20 kA     | 20 kA     | 20 kA     | 20 kA     | 20 kA     |
| Maximum Discharge Current (8/20 $\mu\text{s}$ ) | $I_{max}$   | 40 kA                                                                                                              | 40 kA     | 40 kA     | 40 kA     | 40 kA     | 40 kA     |
| Voltage Protection Level                        | $U_p$       | 400 V                                                                                                              | 1000 V    | 1500 V    | 1600 V    | 1800 V    | 2000 V    |
| Residual Current at $U_c$                       | $I_{PE}$    | < 0.5 mA                                                                                                           |           |           |           |           |           |
| Response Time                                   | $t_A$       | < 25 ns                                                                                                            |           |           |           |           |           |
| Max. Backup Fuse                                |             | 125 A gL / gG                                                                                                      |           |           |           |           |           |
| Short-Circuit Current Rating (AC)               | $I_{SCCR}$  | 25 kA                                                                                                              |           |           |           |           |           |
| TOV Withstand 5 s                               | $U_T$       | 90 V                                                                                                               | 180 V     | 335 V     | 335 V     | 335 V     | 580 V     |
| TOV 120 min                                     | $U_T$       | 115 V                                                                                                              | 230 V     | 440 V     | 440 V     | 440 V     | 765 V     |
|                                                 | mode        | Withstand                                                                                                          | Withstand | Safe Fail | Safe Fail | Safe Fail | Safe Fail |
| Number of Ports                                 |             | 1                                                                                                                  |           |           |           |           |           |
| <b>Mechanical &amp; Environmental</b>           |             |                                                                                                                    |           |           |           |           |           |
| Operating Temperature Range                     | $T_a$       | -40 °F to +158 °F [-40 °C to +70 °C]                                                                               |           |           |           |           |           |
| Permissible Operating Humidity                  | RH          | 5% to 95%                                                                                                          |           |           |           |           |           |
| Atmospheric Pressure and Altitude               |             | 80 kPa to 106 kPa / -500 m to 2000 m                                                                               |           |           |           |           |           |
| Terminal Screw Torque                           | $M_{max}$   | 39.9 lbf·in [4.5 Nm]                                                                                               |           |           |           |           |           |
| Conductor Cross Section (max.)                  |             | 2 AWG (Solid, Stranded) / 4 AWG (Flexible)<br>35 mm <sup>2</sup> (Solid, Stranded) / 25 mm <sup>2</sup> (Flexible) |           |           |           |           |           |
| Mounting                                        |             | 35 mm DIN Rail, EN 60715                                                                                           |           |           |           |           |           |
| Degree of Protection                            |             | IP20 (built-in)                                                                                                    |           |           |           |           |           |
| Housing Material                                |             | Thermoplastic: Extinguishing Degree UL 94 V-0                                                                      |           |           |           |           |           |
| Thermal Protection                              |             | Yes                                                                                                                |           |           |           |           |           |
| Operating State / Fault Indication              |             | Green ok / Red defect                                                                                              |           |           |           |           |           |
| Remote Contacts (RC)                            |             | Optional                                                                                                           |           |           |           |           |           |
| RC Switching Capacity                           |             | AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A                                                  |           |           |           |           |           |
| RC Conductor Cross Section (max.)               |             | 16 AWG (Solid) / 1.5 mm <sup>2</sup> (Solid)                                                                       |           |           |           |           |           |
| <b>Order Information</b>                        |             |                                                                                                                    |           |           |           |           |           |
| Ordering Code                                   |             | 75                                                                                                                 | 150       | 275       | 320       | 385       | 440       |
| SLP40-xxx/1                                     |             | 4007511                                                                                                            | 4015011   | 4027511   | 4032011   | 4038511   | 4044011   |
| SLP40-xxx/1S (with remote contacts)             |             | 4007512                                                                                                            | 4015012   | 4027512   | 4032012   | 4038512   | 4044012   |
| SLP40-xxx/0 (spare modules)                     |             | 4007501                                                                                                            | 4015001   | 4027501   | 4032001   | 4038501   | 4044001   |

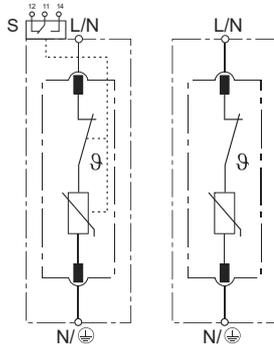


## SLP40-xxx/1(S)

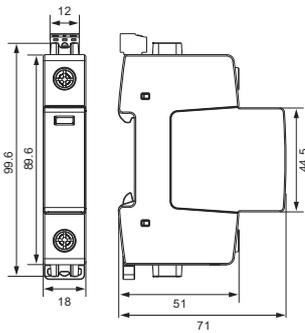
### Internal Configuration

#### Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⊕ PE/G Conductor Terminal
- S Signalling Contacts Optional



### Dimensions & Packaging

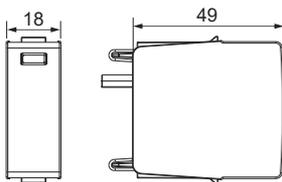


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#### Complete Unit

|                                  |                      |     |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|-----|
| SLP40-xxx/1(S)                   | 75                   | 150 | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |     |
| Standard Order Quantity          | 96 Units             |     |     |     |     |     |

### Spare Plug

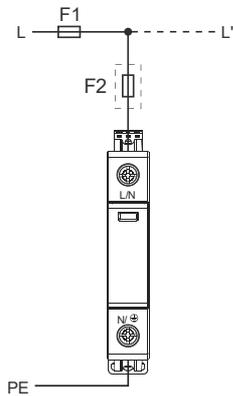


#### Single Unit

|                                  |                      |     |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|-----|
| SLP40-xxx/0                      | 75                   | 150 | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |     |
| Standard Order Quantity          | 120 Units            |     |     |     |     |     |

### Connection Diagram

TN-S, TN-C, TT (Single-phase, 1+0)



# AC Surge Protective Device

## SLP40-xxx/2(S)

Class II • Type 2



Location of Use: Sub-Distribution Boards  
 Network Systems: TN-S  
 Mode of Protection: L-PE, N-PE  
 Surge Ratings:  $I_n = 20 \text{ kA}$  (8/20  $\mu\text{s}$ )  
 IEC/EN Category: Class II / Type 2  
 Protective Elements: High Energy MOV  
 Housing: Pluggable Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012

### Technical Data

| SLP40-xxx/2(S)                                  |             | 75                                                                                                                 | 150       | 275       | 320       | 385       | 440       |
|-------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| <b>IEC Electrical</b>                           |             |                                                                                                                    |           |           |           |           |           |
| Nominal AC Voltage (50/60 Hz)                   | $U_o / U_n$ | 60 V                                                                                                               | 120 V     | 230 V     | 230 V     | 230 V     | 400 V     |
| Maximum Continuous Operating Voltage (AC)       | $U_c$       | 75 V                                                                                                               | 150 V     | 275 V     | 320 V     | 385 V     | 440 V     |
| Nominal Discharge Current (8/20 $\mu\text{s}$ ) | $I_n$       | 20 kA                                                                                                              | 20 kA     | 20 kA     | 20 kA     | 20 kA     | 20 kA     |
| Maximum Discharge Current (8/20 $\mu\text{s}$ ) | $I_{max}$   | 40 kA                                                                                                              | 40 kA     | 40 kA     | 40 kA     | 40 kA     | 40 kA     |
| Voltage Protection Level                        | $U_p$       | 400 V                                                                                                              | 1000 V    | 1500 V    | 1600 V    | 1800 V    | 2000 V    |
| Residual Current at $U_c$                       | $I_{PE}$    | < 0.5 mA                                                                                                           |           |           |           |           |           |
| Response Time                                   | $t_A$       | < 25 ns                                                                                                            |           |           |           |           |           |
| Max. Backup Fuse                                |             | 125 A gL / gG                                                                                                      |           |           |           |           |           |
| Short-Circuit Current Rating (AC)               | $I_{SCCR}$  | 25 kA                                                                                                              |           |           |           |           |           |
| TOV Withstand 5 s                               | $U_T$       | 90 V                                                                                                               | 180 V     | 335 V     | 335 V     | 335 V     | 580 V     |
| TOV 120 min                                     | $U_T$       | 115 V                                                                                                              | 230 V     | 440 V     | 440 V     | 440 V     | 765 V     |
|                                                 | mode        | Withstand                                                                                                          | Withstand | Safe Fail | Safe Fail | Safe Fail | Safe Fail |
| Number of Ports                                 |             | 1                                                                                                                  |           |           |           |           |           |
| <b>Mechanical &amp; Environmental</b>           |             |                                                                                                                    |           |           |           |           |           |
| Operating Temperature Range                     | $T_a$       | -40 °F to +158 °F [-40 °C to +70 °C]                                                                               |           |           |           |           |           |
| Permissible Operating Humidity                  | RH          | 5% to 95%                                                                                                          |           |           |           |           |           |
| Atmospheric Pressure and Altitude               |             | 80 kPa to 106 kPa / -500 m to 2000 m                                                                               |           |           |           |           |           |
| Terminal Screw Torque                           | $M_{max}$   | 39.9 lbf·in [4.5 Nm]                                                                                               |           |           |           |           |           |
| Conductor Cross Section (max.)                  |             | 2 AWG (Solid, Stranded) / 4 AWG (Flexible)<br>35 mm <sup>2</sup> (Solid, Stranded) / 25 mm <sup>2</sup> (Flexible) |           |           |           |           |           |
| Mounting                                        |             | 35 mm DIN Rail, EN 60715                                                                                           |           |           |           |           |           |
| Degree of Protection                            |             | IP20 (built-in)                                                                                                    |           |           |           |           |           |
| Housing Material                                |             | Thermoplastic: Extinguishing Degree UL 94 V-0                                                                      |           |           |           |           |           |
| Thermal Protection                              |             | Yes                                                                                                                |           |           |           |           |           |
| Operating State / Fault Indication              |             | Green ok / Red defect                                                                                              |           |           |           |           |           |
| Remote Contacts (RC)                            |             | Optional                                                                                                           |           |           |           |           |           |
| RC Switching Capacity                           |             | AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A                                                  |           |           |           |           |           |
| RC Conductor Cross Section (max.)               |             | 16 AWG (Solid) / 1.5 mm <sup>2</sup> (Solid)                                                                       |           |           |           |           |           |
| <b>Order Information</b>                        |             |                                                                                                                    |           |           |           |           |           |
| Ordering Code                                   |             | 75                                                                                                                 | 150       | 275       | 320       | 385       | 440       |
| SLP40-xxx/2                                     |             | 4007521                                                                                                            | 4015021   | 4027521   | 4032021   | 4038521   | 4044021   |
| SLP40-xxx/2S (with remote contacts)             |             | 4007522                                                                                                            | 4015022   | 4027522   | 4032022   | 4038522   | 4044022   |
| SLP40-xxx/0 (spare modules)                     |             | 4007501                                                                                                            | 4015001   | 4027501   | 4032001   | 4038501   | 4044001   |

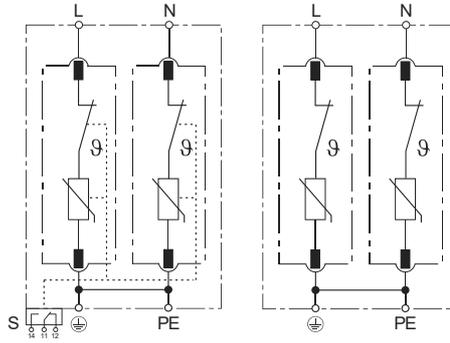


## SLP40-xxx/2(S)

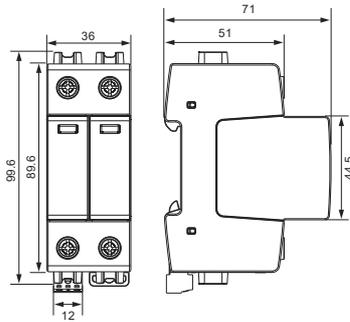
### Internal Configuration

#### Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⊕ PE/G Conductor Terminal
- S Signalling Contacts Optional



### Dimensions & Packaging

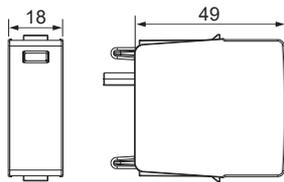


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#### Complete Unit

|                                  |                      |     |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|-----|
| SLP40-xxx/2(S)                   | 75                   | 150 | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |     |
| Standard Order Quantity          | 48 Units             |     |     |     |     |     |

### Spare Plug

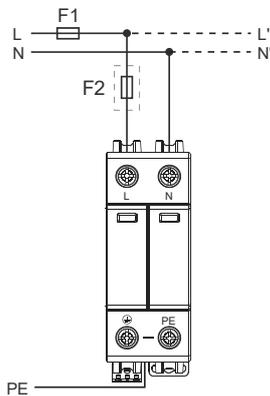


#### Single Unit

|                                  |                      |     |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|-----|
| SLP40-xxx/0                      | 75                   | 150 | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |     |
| Standard Order Quantity          | 120 Units            |     |     |     |     |     |

### Connection Diagram

#### TN-S (Single-phase, 2+0)



# AC Surge Protective Device SLP40-xxx/3(S)

Class II • Type 2



Location of Use: Sub-Distribution Boards  
 Network Systems: TN-C  
 Mode of Protection: L-PEN  
 Surge Ratings:  $I_n = 20 \text{ kA}$  (8/20  $\mu\text{s}$ )  
 IEC/EN Category: Class II / Type 2  
 Protective Elements: High Energy MOV  
 Housing: Pluggable Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012

## Technical Data

| SLP40-xxx/3(S)                                  |             | 150                                                                                                                | 275     | 320     | 385     | 440     |
|-------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|
| <b>IEC Electrical</b>                           |             |                                                                                                                    |         |         |         |         |
| Nominal AC Voltage (50/60 Hz)                   | $U_o / U_n$ | 120 V                                                                                                              | 230 V   | 230 V   | 230 V   | 400 V   |
| Maximum Continuous Operating Voltage (AC)       | $U_c$       | 150 V                                                                                                              | 275 V   | 320 V   | 385 V   | 440 V   |
| Nominal Discharge Current (8/20 $\mu\text{s}$ ) | $I_n$       | 20 kA                                                                                                              | 20 kA   | 20 kA   | 20 kA   | 20 kA   |
| Maximum Discharge Current (8/20 $\mu\text{s}$ ) | $I_{max}$   | 40 kA                                                                                                              | 40 kA   | 40 kA   | 40 kA   | 40 kA   |
| Voltage Protection Level                        | $U_p$       | 1000 V                                                                                                             | 1500 V  | 1600 V  | 1800 V  | 2000 V  |
| Residual Current at $U_c$                       | $I_{PE}$    | < 0.5 mA                                                                                                           |         |         |         |         |
| Response Time                                   | $t_A$       | < 25 ns                                                                                                            |         |         |         |         |
| Max. Backup Fuse                                |             | 125 A gL / gG                                                                                                      |         |         |         |         |
| Short-Circuit Current Rating (AC)               | $I_{SCCR}$  | 25 kA                                                                                                              |         |         |         |         |
| TOV Withstand 5 s                               | $U_T$       | 180 V                                                                                                              | 335 V   | 335 V   | 335 V   | 580 V   |
| TOV 120 min                                     | $U_T$       | 230 V                                                                                                              | 440 V   | 440 V   | 440 V   | 765 V   |
|                                                 | mode        | Safe Fail                                                                                                          |         |         |         |         |
| Number of Ports                                 |             | 1                                                                                                                  |         |         |         |         |
| <b>Mechanical &amp; Environmental</b>           |             |                                                                                                                    |         |         |         |         |
| Operating Temperature Range                     | $T_a$       | -40 °F to +158 °F [-40 °C to +70 °C]                                                                               |         |         |         |         |
| Permissible Operating Humidity                  | RH          | 5% to 95%                                                                                                          |         |         |         |         |
| Atmospheric Pressure and Altitude               |             | 80 kPa to 106 kPa / -500 m to 2000 m                                                                               |         |         |         |         |
| Terminal Screw Torque                           | $M_{max}$   | 39.9 lbf·in [4.5 Nm]                                                                                               |         |         |         |         |
| Conductor Cross Section (max.)                  |             | 2 AWG (Solid, Stranded) / 4 AWG (Flexible)<br>35 mm <sup>2</sup> (Solid, Stranded) / 25 mm <sup>2</sup> (Flexible) |         |         |         |         |
| Mounting                                        |             | 35 mm DIN Rail, EN 60715                                                                                           |         |         |         |         |
| Degree of Protection                            |             | IP20 (built-in)                                                                                                    |         |         |         |         |
| Housing Material                                |             | Thermoplastic: Extinguishing Degree UL 94 V-0                                                                      |         |         |         |         |
| Thermal Protection                              |             | Yes                                                                                                                |         |         |         |         |
| Operating State / Fault Indication              |             | Green ok / Red defect                                                                                              |         |         |         |         |
| Remote Contacts (RC)                            |             | Optional                                                                                                           |         |         |         |         |
| RC Switching Capacity                           |             | AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A                                                  |         |         |         |         |
| RC Conductor Cross Section (max.)               |             | 16 AWG (Solid) / 1.5 mm <sup>2</sup> (Solid)                                                                       |         |         |         |         |
| <b>Order Information</b>                        |             |                                                                                                                    |         |         |         |         |
| Ordering Code                                   |             | 150                                                                                                                | 275     | 320     | 385     | 440     |
| SLP40-xxx/3                                     |             | 4015031                                                                                                            | 4027531 | 4032031 | 4038531 | 4044031 |
| SLP40-xxx/3S (with remote contacts)             |             | 4015032                                                                                                            | 4027532 | 4032032 | 4038532 | 4044032 |
| SLP40-xxx/0 (spare modules)                     |             | 4015001                                                                                                            | 4027501 | 4032001 | 4038501 | 4044001 |

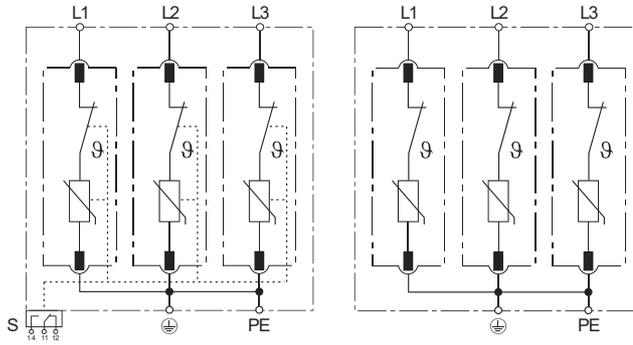


## SLP40-xxx/3(S)

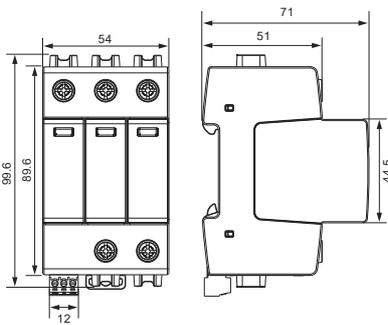
### Internal Configuration

#### Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⊕ PE/G Conductor Terminal
- S Signalling Contacts Optional



### Dimensions & Packaging

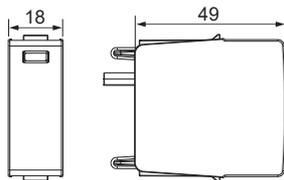


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#### Complete Unit

|                                  |                      |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|
| SLP40-xxx/3(S)                   | 150                  | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |
| Standard Order Quantity          | 30 Units             |     |     |     |     |

### Spare Plug

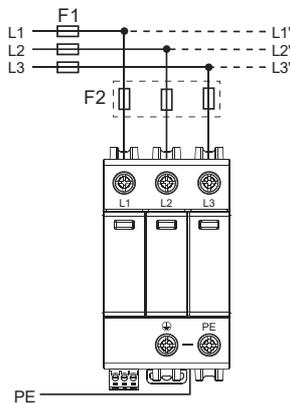


#### Single Unit

|                                  |                      |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|
| SLP40-xxx/0                      | 150                  | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |
| Standard Order Quantity          | 120 Units            |     |     |     |     |

### Connection Diagram

#### TN-C (Three-phase, 3+0)



# AC Surge Protective Device

## SLP40-xxx/4(S)

Class II • Type 2



Location of Use: Sub-Distribution Boards  
 Network Systems: TN-S  
 Mode of Protection: L-PE, N-PE  
 Surge Ratings:  $I_n = 20 \text{ kA}$  (8/20  $\mu\text{s}$ )  
 IEC/EN Category: Class II / Type 2  
 Protective Elements: High Energy MOV  
 Housing: Pluggable Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012

### Technical Data

| SLP40-xxx/4(S)                                  |             | 150                                                                                                                | 275     | 320           | 385     | 440     |
|-------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|---------|---------------|---------|---------|
| <b>IEC Electrical</b>                           |             |                                                                                                                    |         |               |         |         |
| Nominal AC Voltage (50/60 Hz)                   | $U_o / U_n$ | 120 V                                                                                                              | 230 V   | 230 V         | 230 V   | 400 V   |
| Maximum Continuous Operating Voltage (AC)       | $U_c$       | 150 V                                                                                                              | 275 V   | 320 V         | 385 V   | 440 V   |
| Nominal Discharge Current (8/20 $\mu\text{s}$ ) | $I_n$       | 20 kA                                                                                                              | 20 kA   | 20 kA         | 20 kA   | 20 kA   |
| Maximum Discharge Current (8/20 $\mu\text{s}$ ) | $I_{max}$   | 40 kA                                                                                                              | 40 kA   | 40 kA         | 40 kA   | 40 kA   |
| Voltage Protection Level                        | $U_p$       | 1000 V                                                                                                             | 1500 V  | 1600 V        | 1800 V  | 2000 V  |
| Residual Current at $U_c$                       | $I_{PE}$    |                                                                                                                    |         | < 0.5 mA      |         |         |
| Response Time                                   | $t_A$       |                                                                                                                    |         | < 25 ns       |         |         |
| Max. Backup Fuse                                |             |                                                                                                                    |         | 125 A gL / gG |         |         |
| Short-Circuit Current Rating (AC)               | $I_{SCCR}$  |                                                                                                                    |         | 25 kA         |         |         |
| TOV Withstand 5 s                               | $U_T$       | 180 V                                                                                                              | 335 V   | 335 V         | 335 V   | 580 V   |
| TOV 120 min                                     | $U_T$       | 230 V                                                                                                              | 440 V   | 440 V         | 440 V   | 765 V   |
|                                                 | mode        |                                                                                                                    |         | Safe Fail     |         |         |
| Number of Ports                                 |             |                                                                                                                    |         | 1             |         |         |
| <b>Mechanical &amp; Environmental</b>           |             |                                                                                                                    |         |               |         |         |
| Operating Temperature Range                     | $T_a$       | -40 °F to +158 °F [-40 °C to +70 °C]                                                                               |         |               |         |         |
| Permissible Operating Humidity                  | RH          | 5% to 95%                                                                                                          |         |               |         |         |
| Atmospheric Pressure and Altitude               |             | 80 kPa to 106 kPa / -500 m to 2000 m                                                                               |         |               |         |         |
| Terminal Screw Torque                           | $M_{max}$   | 39.9 lbf-in [4.5 Nm]                                                                                               |         |               |         |         |
| Conductor Cross Section (max.)                  |             | 2 AWG (Solid, Stranded) / 4 AWG (Flexible)<br>35 mm <sup>2</sup> (Solid, Stranded) / 25 mm <sup>2</sup> (Flexible) |         |               |         |         |
| Mounting                                        |             | 35 mm DIN Rail, EN 60715                                                                                           |         |               |         |         |
| Degree of Protection                            |             | IP20 (built-in)                                                                                                    |         |               |         |         |
| Housing Material                                |             | Thermoplastic: Extinguishing Degree UL 94 V-0                                                                      |         |               |         |         |
| Thermal Protection                              |             | Yes                                                                                                                |         |               |         |         |
| Operating State / Fault Indication              |             | Green ok / Red defect                                                                                              |         |               |         |         |
| Remote Contacts (RC)                            |             | Optional                                                                                                           |         |               |         |         |
| RC Switching Capacity                           |             | AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A                                                  |         |               |         |         |
| RC Conductor Cross Section (max.)               |             | 16 AWG (Solid) / 1.5 mm <sup>2</sup> (Solid)                                                                       |         |               |         |         |
| <b>Order Information</b>                        |             |                                                                                                                    |         |               |         |         |
| Ordering Code                                   |             | 150                                                                                                                | 275     | 320           | 385     | 440     |
| SLP40-xxx/4                                     |             | 4015041                                                                                                            | 4027541 | 4032041       | 4038541 | 4044041 |
| SLP40-xxx/4S (with remote contacts)             |             | 4015042                                                                                                            | 4027542 | 4032042       | 4038542 | 4044042 |
| SLP40-xxx/0 (spare modules)                     |             | 4015001                                                                                                            | 4027501 | 4032001       | 4038501 | 4044001 |

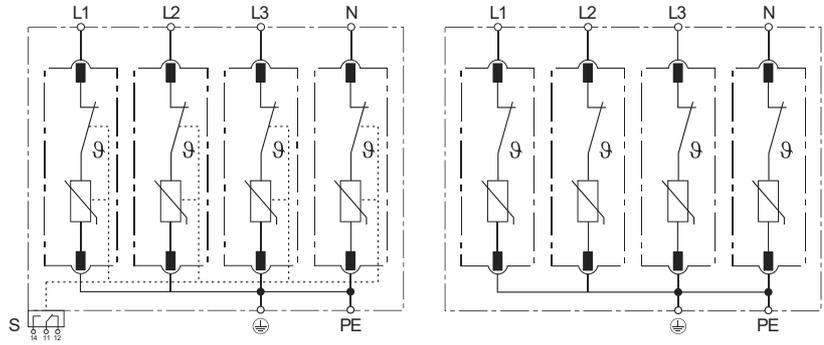


# SLP40-xxx/4(S)

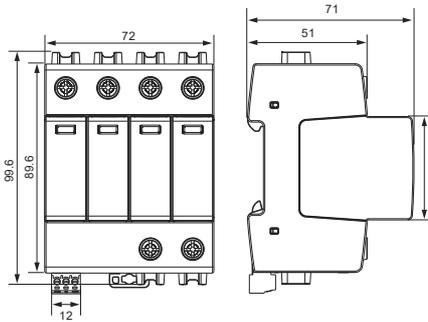
## Internal Configuration

### Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⊕ PE/G Conductor Terminal
- S Signalling Contacts Optional



## Dimensions & Packaging

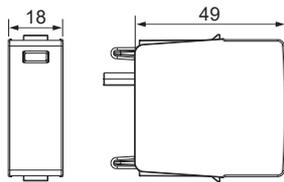


[mm]

### Complete Unit

|                                  |                      |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|
| SLP40-xxx/4(S)                   | 150                  | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |
| Standard Order Quantity          | 24 Units             |     |     |     |     |

## Spare Plug

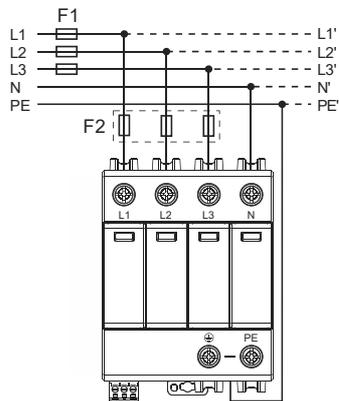


### Single Unit

|                                  |                      |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|
| SLP40-xxx/0                      | 150                  | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |
| Standard Order Quantity          | 120 Units            |     |     |     |     |

## Connection Diagram

### TN-S (Three-phase, 4+0)



# AC Surge Protective Device

## SLP40-xxx/1(S)+1

Class II • Type 2



Location of Use: Sub-Distribution Boards  
 Network Systems: TT, TN-S  
 Mode of Protection: L-N, N-PE  
 Surge Ratings:  $I_n = 20 \text{ kA}$  (8/20  $\mu\text{s}$ )  
 IEC/EN Category: Class II / Type 2  
 Protective Elements: High Energy MOV and GDT  
 Housing: Pluggable Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012

### Technical Data

| SLP40-xxx/1(S)+1                                |                          | 75                                                                   | 150             | 275             | 320             | 385             | 440             |
|-------------------------------------------------|--------------------------|----------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>IEC Electrical</b>                           |                          |                                                                      |                 |                 |                 |                 |                 |
| Nominal AC Voltage (50/60 Hz)                   | $U_o / U_n$              | 60 V                                                                 | 120 V           | 230 V           | 230 V           | 230 V           | 400 V           |
| Maximum Continuous Operating Voltage            | (L-N) $U_C$              | 75 V                                                                 | 150 V           | 275 V           | 320 V           | 385 V           | 440 V           |
|                                                 | (N-PE) $U_C$             | 255 V                                                                |                 |                 |                 |                 |                 |
| Nominal Discharge Current (8/20 $\mu\text{s}$ ) | (L-N) / (N-PE) $I_n$     | 20 kA / 20 kA                                                        |                 |                 |                 |                 |                 |
| Maximum Discharge Current (8/20 $\mu\text{s}$ ) | (L-N) / (N-PE) $I_{max}$ | 40 kA / 40 kA                                                        |                 |                 |                 |                 |                 |
| Voltage Protection Level                        | (L-N) / (N-PE) $U_p$     | 0.4 kV / 1.5 kV                                                      | 1.0 kV / 1.5 kV | 1.5 kV / 1.5 kV | 1.6 kV / 1.5 kV | 1.8 kV / 1.5 kV | 2.0 kV / 1.5 kV |
| Follow Current Interrupt Rating                 | (N-PE) $I_{fi}$          | 100 A <sub>RMS</sub>                                                 |                 |                 |                 |                 |                 |
| Residual Current at $U_C$                       | $I_{PE}$                 | none                                                                 |                 |                 |                 |                 |                 |
| Response Time                                   | (L-N) / (N-PE) $t_A$     | < 25 ns / < 100 ns                                                   |                 |                 |                 |                 |                 |
| Max. Backup Fuse                                |                          | 125 A gL / gG                                                        |                 |                 |                 |                 |                 |
| Short-Circuit Current Rating (AC)               | (L-N) $I_{SCCR}$         | 25 kA                                                                |                 |                 |                 |                 |                 |
| TOV Withstand 5 s                               | (L-N) $U_T$              | 90 V                                                                 | 180 V           | 335 V           | 335 V           | 335 V           | 580 V           |
| TOV 120 min                                     | (L-N) $U_T$              | 115 V                                                                | 230 V           | 440 V           | 440 V           | 440 V           | 765 V           |
|                                                 |                          | mode                                                                 | Withstand       | Withstand       | Safe Fail       | Safe Fail       | Safe Fail       |
| TOV Withstand 200 ms                            | (N-PE) $U_T$             | 1200 V                                                               |                 |                 |                 |                 |                 |
| Number of Ports                                 |                          | 1                                                                    |                 |                 |                 |                 |                 |
| <b>Mechanical &amp; Environmental</b>           |                          |                                                                      |                 |                 |                 |                 |                 |
| Operating Temperature Range                     | $T_a$                    | -40 °F to +158 °F [-40 °C to +70 °C]                                 |                 |                 |                 |                 |                 |
| Permissible Operating Humidity                  | RH                       | 5% to 95%                                                            |                 |                 |                 |                 |                 |
| Atmospheric Pressure and Altitude               |                          | 80 kPa to 106 kPa / -500 m to 2000 m                                 |                 |                 |                 |                 |                 |
| Terminal Screw Torque                           | $M_{max}$                | 39.9 lbf·in [4.5 Nm]                                                 |                 |                 |                 |                 |                 |
| Conductor Cross Section (max.)                  |                          | 2 AWG (Solid, Stranded) / 4 AWG (Flexible)                           |                 |                 |                 |                 |                 |
|                                                 |                          | 35 mm <sup>2</sup> (Solid, Stranded) / 25 mm <sup>2</sup> (Flexible) |                 |                 |                 |                 |                 |
| Mounting                                        |                          | 35 mm DIN Rail, EN 60715                                             |                 |                 |                 |                 |                 |
| Degree of Protection                            |                          | IP20 (built-in)                                                      |                 |                 |                 |                 |                 |
| Housing Material                                |                          | Thermoplastic: Extinguishing Degree UL 94 V-0                        |                 |                 |                 |                 |                 |
| Thermal Protection                              |                          | Yes                                                                  |                 |                 |                 |                 |                 |
| Operating State / Fault Indication              |                          | Green ok / Red defect                                                |                 |                 |                 |                 |                 |
| Remote Contacts (RC)                            |                          | Optional                                                             |                 |                 |                 |                 |                 |
| RC Switching Capacity                           |                          | AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A    |                 |                 |                 |                 |                 |
| RC Conductor Cross Section (max.)               |                          | 16 AWG (Solid) / 1.5 mm <sup>2</sup> (Solid)                         |                 |                 |                 |                 |                 |
| <b>Order Information</b>                        |                          |                                                                      |                 |                 |                 |                 |                 |
| Ordering Code                                   |                          | 75                                                                   | 150             | 275             | 320             | 385             | 440             |
| SLP40-xxx/1+1                                   |                          | 4007513                                                              | 4015013         | 4027513         | 4032013         | 4038513         | 4044013         |
| SLP40-xxx/1S+1 (with remote contacts)           |                          | 4007514                                                              | 4015014         | 4027514         | 4032014         | 4038514         | 4044014         |
| SLP40-xxx/0 (spare modules)                     |                          | 4007501                                                              | 4015001         | 4027501         | 4032001         | 4038501         | 4044001         |
| SLP40-255/0 (spare modules)                     |                          | 4025501                                                              | 4025501         | 4025501         | 4025501         | 4025501         | 4025501         |

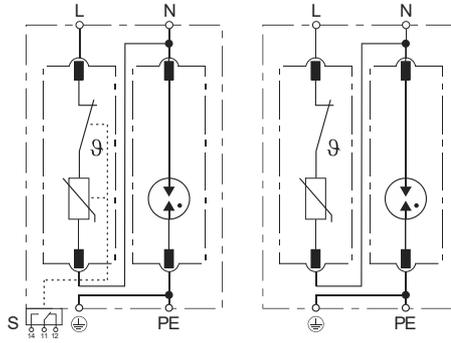


## SLP40-xxx/1(S)+1

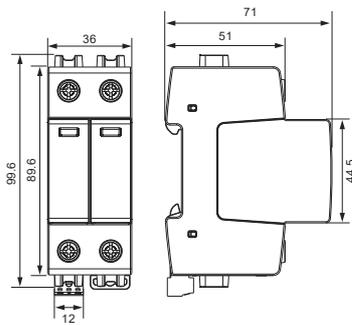
### Internal Configuration

#### Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⊕ PE/G Conductor Terminal
- S Signalling Contacts Optional



### Dimensions & Packaging

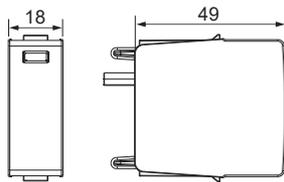


[mm]

#### Complete Unit

|                                  |                      |     |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|-----|
| SLP40-xxx/1(S)+1                 | 75                   | 150 | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |     |
| Standard Order Quantity          | 48 Units             |     |     |     |     |     |

### Spare Plug

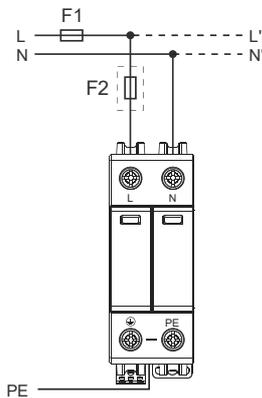


#### Single Unit

|                                  |                      |     |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|-----|
| SLP40-xxx/0                      | 75                   | 150 | 275 | 320 | 385 | 440 |
| SLP40-255/0                      | 255                  |     |     |     |     |     |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |     |
| Standard Order Quantity          | 120 Units            |     |     |     |     |     |

### Connection Diagram

#### TN-S, TT (Single-phase, 1+1)



# AC Surge Protective Device

## SLP40-xxx/3(S)+1

Class II • Type 2



Location of Use: Sub-Distribution Boards  
 Network Systems: TT, TN-S,  
 Mode of Protection: L-N, N-PE  
 Surge Ratings:  $I_n = 20 \text{ kA}$  (8/20  $\mu\text{s}$ )  
 IEC/EN Category: Class II / Type 2  
 Protective Elements: High Energy MOV and GDT  
 Housing: Pluggable Design  
 Compliance: IEC 61643-11:2011  
 EN 61643-11:2012

### Technical Data

| SLP40-xxx/3(S)+1                                |                          | 150             | 275             | 320                | 385             | 440             |
|-------------------------------------------------|--------------------------|-----------------|-----------------|--------------------|-----------------|-----------------|
| <b>IEC Electrical</b>                           |                          |                 |                 |                    |                 |                 |
| Nominal AC Voltage (50/60 Hz)                   | $U_o / U_n$              | 120 V           | 230 V           | 230 V              | 230 V           | 400 V           |
| Maximum Continuous Operating Voltage            | (L-N) $U_c$              | 150 V           | 275 V           | 320 V              | 385 V           | 440 V           |
|                                                 | (N-PE) $U_c$             |                 |                 | 255 V              |                 |                 |
| Nominal Discharge Current (8/20 $\mu\text{s}$ ) | (L-N) / (N-PE) $I_n$     |                 |                 | 20 kA / 20 kA      |                 |                 |
| Maximum Discharge Current (8/20 $\mu\text{s}$ ) | (L-N) / (N-PE) $I_{max}$ |                 |                 | 40 kA / 40 kA      |                 |                 |
| Voltage Protection Level                        | (L-N) / (N-PE) $U_p$     | 1.0 kV / 1.5 kV | 1.5 kV / 1.5 kV | 1.6 kV / 1.5 kV    | 1.8 kV / 1.5 kV | 2.0 kV / 1.5 kV |
| Follow Current Interrupt Rating                 | (N-PE) $I_{fi}$          |                 |                 | 100 $A_{RMS}$      |                 |                 |
| Residual Current at $U_c$                       | $I_{PE}$                 |                 |                 | none               |                 |                 |
| Response Time                                   | (L-N) / (N-PE) $t_A$     |                 |                 | < 25 ns / < 100 ns |                 |                 |
| Max. Backup Fuse                                |                          |                 |                 | 125 A gL / gG      |                 |                 |
| Short-Circuit Current Rating (AC)               | (L-N) $I_{SCCR}$         |                 |                 | 25 kA              |                 |                 |
| TOV Withstand 5 s                               | (L-N) $U_T$              | 180 V           | 335 V           | 335 V              | 335 V           | 580 V           |
| TOV 120 min                                     | (L-N) $U_T$              | 230 V           | 440 V           | 440 V              | 440 V           | 765 V           |
|                                                 | mode                     |                 |                 | Safe Fail          |                 |                 |
| TOV Withstand 200 ms                            | (N-PE) $U_T$             |                 |                 | 1200 V             |                 |                 |
| Number of Ports                                 |                          |                 |                 | 1                  |                 |                 |

### Mechanical & Environmental

|                                    |           |                                                                      |  |  |  |  |
|------------------------------------|-----------|----------------------------------------------------------------------|--|--|--|--|
| Operating Temperature Range        | $T_a$     | -40 °F to +158 °F [-40 °C to +70 °C]                                 |  |  |  |  |
| Permissible Operating Humidity     | RH        | 5% to 95%                                                            |  |  |  |  |
| Atmospheric Pressure and Altitude  |           | 80 kPa to 106 kPa / -500 m to 2000 m                                 |  |  |  |  |
| Terminal Screw Torque              | $M_{max}$ | 39.9 lbf·in [4.5 Nm]                                                 |  |  |  |  |
| Conductor Cross Section (max.)     |           | 2 AWG (Solid, Stranded) / 4 AWG (Flexible)                           |  |  |  |  |
|                                    |           | 35 mm <sup>2</sup> (Solid, Stranded) / 25 mm <sup>2</sup> (Flexible) |  |  |  |  |
| Mounting                           |           | 35 mm DIN Rail, EN 60715                                             |  |  |  |  |
| Degree of Protection               |           | IP20 (built-in)                                                      |  |  |  |  |
| Housing Material                   |           | Thermoplastic: Extinguishing Degree UL 94 V-0                        |  |  |  |  |
| Thermal Protection                 |           | Yes                                                                  |  |  |  |  |
| Operating State / Fault Indication |           | Green ok / Red defect                                                |  |  |  |  |
| Remote Contacts (RC)               |           | Optional                                                             |  |  |  |  |
| RC Switching Capacity              |           | AC: 250 V / 0.5 A; DC: 250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A    |  |  |  |  |
| RC Conductor Cross Section (max.)  |           | 16 AWG (Solid) / 1.5 mm <sup>2</sup> (Solid)                         |  |  |  |  |

### Order Information

| Ordering Code                         | 150     | 275     | 320     | 385     | 440     |
|---------------------------------------|---------|---------|---------|---------|---------|
| SLP40-xxx/3+1                         | 4015033 | 4027533 | 4032033 | 4038533 | 4044033 |
| SLP40-xxx/3S+1 (with remote contacts) | 4015034 | 4027534 | 4032034 | 4038534 | 4044034 |
| SLP40-xxx/0 (spare modules)           | 4015001 | 4027501 | 4032001 | 4038501 | 4044001 |
| SLP40-255/0 (spare modules)           | 4025501 | 4025501 | 4025501 | 4025501 | 4025501 |

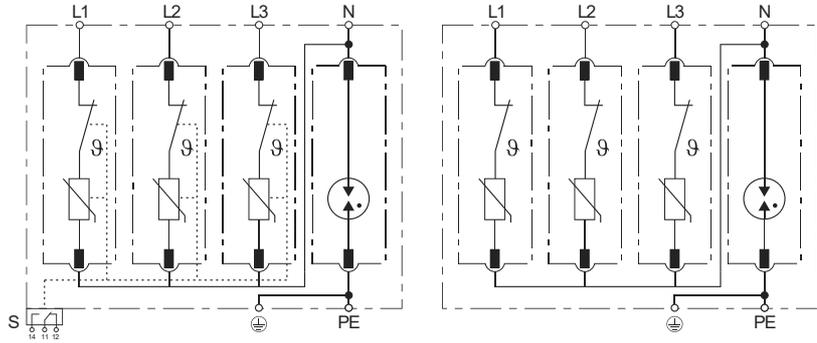


# SLP40-xxx/3(S)+1

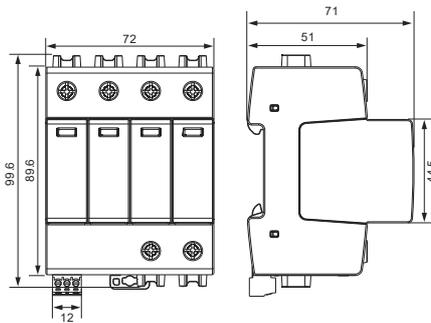
## Internal Configuration

### Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⊕ PE/G Conductor Terminal
- S Signalling Contacts Optional



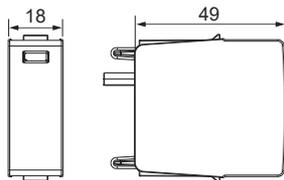
## Dimensions & Packaging



[mm]

| Complete Unit                    |                      |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|
| SLP40-xxx/3(S)+1                 | 150                  | 275 | 320 | 385 | 440 |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |
| Standard Order Quantity          | 24 Units             |     |     |     |     |

## Spare Plug



| Single Unit                      |                      |     |     |     |     |
|----------------------------------|----------------------|-----|-----|-----|-----|
| SLP40-xxx/0                      | 150                  | 275 | 320 | 385 | 440 |
| SLP40-255/0                      | 255                  |     |     |     |     |
| DIN 43880 Dimension              | 1 CTN                |     |     |     |     |
| Packaging Dimensions (H x W x L) | [260 × 220 × 330 mm] |     |     |     |     |
| Standard Order Quantity          | 120 Units            |     |     |     |     |

## Connection Diagram

### TN-S, TT (Three-phase, 3+1)

