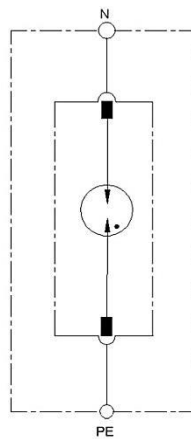
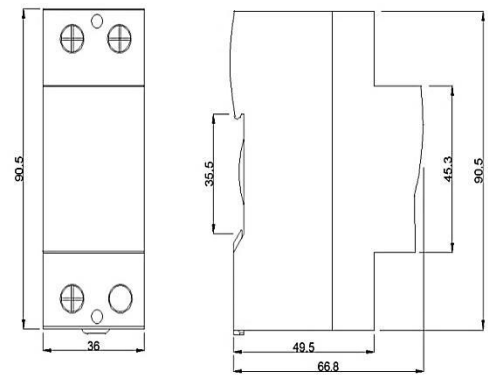


SURGE ARRESTERS-CLASS I+II
Model: S-G100/255 NPE


Basic circuit diagram



Dimension drawing

Features

- Encapsulated spark gap technology to guarantee reliability in rugged environment.
- Comply with IEC61643-11 standard.
- Discharge capacity Iimp 100 kA (10/350 μ s)
- For N-PE protection.
- Low voltage protection level.
- High energy capability.

| Type | S-G100/255 NPE |
|---|--|
| In accordance with | IEC61643-11:2011; UL1449-3rd |
| Category IEC/VDE | I+II (B+C) |
| Max. continuous operating Voltage (V) | 255 Vac |
| Nominal discharge current(8/20 μ s) In | 100 kA |
| Max. discharge current (8/20 μ s) I _{max} | 200 kA |
| Lightning impulse current (10/350 μ s) I _{imp} | 100 kA |
| Voltage protection level (1.2/50 μ s) U _p | <1.5 kA |
| Response time | ≤ 100 ns |
| Follow current interrupt rating (Ifi) | 10 kArms @ 255Vac |
| Operating temperature range | -40 °C ~ + 80 °C |
| Cross-section of connection wire | Single-strand 35mm ² ; multi-strand 25mm ² |
| Mounting | 35mm DIN-rail in accordance with EN 50022/DIN46277-3 |
| Enclosure material | thermoplastic; extinguishing degree UL94 V-0 |
| Degree of protection | IP20 |
| Installation width | 2 modules, DIN 43880 |
| Approvals, Certifications | CE |