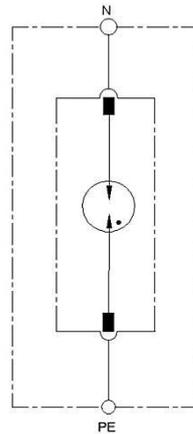
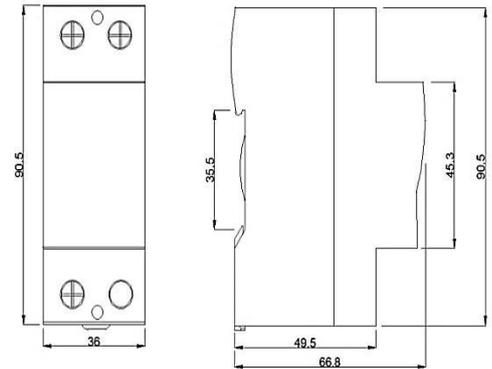


**SURGE ARRESTERS-CLASS I+II**

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 μs)
- 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(8/20μs) In	100 kA
Max. discharge current (8/20μs) Imax	200 kA
Lightning impulse current (10/350μs) Iimp	100 kA
Voltage protection level (1.2/50μs) Up	<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 <sup>2</sup> ; multi-strand 25mm <sup>2</sup>
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