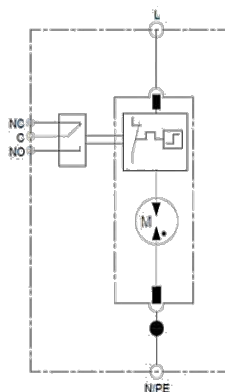
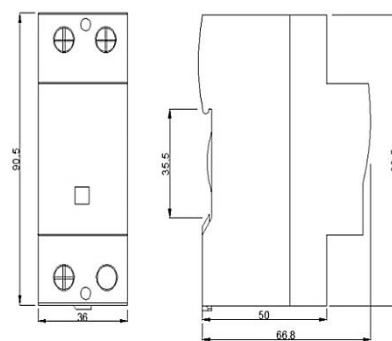


## SURGE ARRESTERS - Class I (Type1)SPD



Basic circuit diagram



Dimension drawing

Surge arrester for low-voltage power supply system protection against direct lightning strikes and surges at the boundaries from lightning protection zone 0B-2.

- Encapsulated spark gap technology to guarantee reliability in rugged environment.
- Discharge capacity Iimp 50 kA 10/350 per pole.
- Low voltage protection level(Up) < 1.5 kV
- With remote signaling contact and failure indicator optional.
- Single pole version permits the installation in up to four poles depending on the type of power system.
- Multi-Air-Gap technology, no leakage current.

### Technical Data

| Model No.                                                                                            | S-G50/275-R                                                      |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| In accordance with                                                                                   | IEC61643-11:2011 ; UL1449-3rd                                    |
| Category IEC/VDE                                                                                     | I (B)                                                            |
| Max. continuous operating Voltage (V) AC / DC                                                        | 275 / 350 V                                                      |
| Nominal discharge current(8/20) In                                                                   | 50 kA                                                            |
| Max. discharge current (8/20) I <sub>max</sub>                                                       | 100 kA                                                           |
| Lightning impulse current (10/350) I <sub>imp</sub>                                                  | 50 kA                                                            |
| Voltage protection level (1.2/50)                                                                    | <1.5 kV                                                          |
| Response time                                                                                        | ≤ 100 ns                                                         |
| Short-circuit current rating (I <sub>sc</sub> ) & follow current interrupt rating (I <sub>fi</sub> ) | I <sub>sc</sub> = 10 kArms ; I <sub>fi</sub> ≥ 10 kArms@255Vac   |
| Backup fuse (only required if not already provided in mains)                                         | 500 A gL/gG                                                      |
| 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                                             |
| Thermal disconnecter                                                                                 | Internal red - failure                                           |
| Remote alarm contact                                                                                 | Optional                                                         |
| Approvals, Certifications                                                                            | CE                                                               |
| Remote alarm contact type                                                                            | Isolated Form C                                                  |
| Switching capability Un/I <sub>n</sub>                                                               | AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A                 |
| Max. Size of connecting wire                                                                         | Max. 1.5mm <sup>2</sup> (or # 16AWG)                             |
| Weigh (kg)                                                                                           | 0.3 kg                                                           |

| Ordering information |                           |
|----------------------|---------------------------|
| Model No.            | S-G50/275-R               |
| Part No.             | 201000                    |
| Warranty             | 1 year from Delivery date |
| Packing unit         | 1 pc(s).                  |

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