

## SDS 4 (923 118)

- Electrical isolation of insulated track sections and earthed parts of installations
- Safe equipotential bonding due to high-current-resistant welding of the electrodes in case of a short-circuit or earth fault at the overhead contact line
- Discharge of surges without short-circuit formation



Figure without obligation

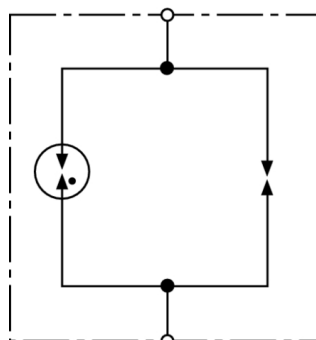


Figure without obligation

Basic circuit diagram SDS 4

Voltage limiting device for a d.c. sparkover voltage of 230 V.

| Type   | SDS 4   |
|--|---|
| Part No.   | 923 118   |
| VLD type (EN 50122-1)  | VLD-F   |
| d.c. sparkover voltage ( $U_{ag}$ )  | 230 V +/- 20%   |
| Impulse sparkover voltage  | ≤ 650 V (1 kV/μs)   |
| Lightning current discharge capacity (10/350 μs) 0.1x / 0.5x / 1x              | 2.5 kA  |
| Lightning current withstand capability (10/350 μs)                             | 25 kA   |
| Impulse current discharge capacity (8/20 μs) 0.1x / 0.5x / 1x                  | 20 kA   |
| Safe short-circuit due to welding of the electrodes in case of direct currents | ≥ 600 A / 250 ms  |
| Short-circuit withstand capability   | 25 kA <sub>rms</sub> / 100 ms; 36 kA <sub>rms</sub> / 75 ms |
| Long-term current  | 1 kA <sub>rms</sub> for t ≤ 120 s                           |
| Leakage current ( $I_c$ )  | < 1 μA for 100 V d.c.                                       |
| Operating temperature range ( $T_U$ )  | -40 °C ... +80 °C   |
| To be mounted with   | mast adapter MA SDS M12 or SIEMENS No. 8WL6503-xx           |
| Weight   | 38 g  |
| Customs tariff number (Comb. Nomenclature EU)                                  | 85369095  |
| GTIN   | 4013364104969   |
| PU   | 10 pc(s)  |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.