

SDS 2 (923 117)

- 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

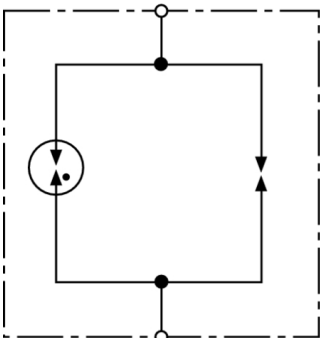


Figure without obligation

Basic circuit diagram SDS 2

Voltage limiting device for a d.c. sparkover voltage of 350 V.

| Type                                                                           | SDS 2                                                       |
|--------------------------------------------------------------------------------|-------------------------------------------------------------|
| Part No.                                                                       | 923 117                                                     |
| VLD type (EN 50122-1)                                                          | VLD-F                                                       |
| d.c. sparkover voltage ( $U_{ag}$ )                                            | 350 V +/- 20 %                                              |
| Impulse sparkover voltage                                                      | ≤ 900 V (1 kV/μs)                                           |
| Lightning current discharge capacity (10/350 μs) 0.1x / 0.5x / 1x              | 2 kA                                                        |
| Lightning current withstand capability (10/350 μs)                             | 25 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 ( $I_{lc}$ )                                                   | < 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                                                                         | 42 g                                                        |
| Customs tariff number (Comb. Nomenclature EU)                                  | 85369095                                                    |
| GTIN                                                                           | 4013364093478                                               |
| 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.