

## DRL 10 B 180 FSD (907 401)

- Lightning current arrester for use as plug-in SPD block with integrated LSA disconnection block function
- Visual fault indicator of the gas discharge tubes
- Can be combined to a combined lightning current and surge arrester by means of a DRL protective plug
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A -1$  and higher

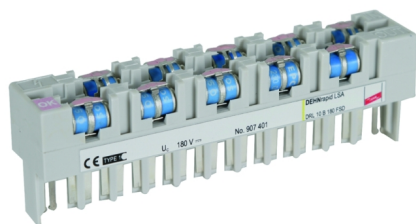
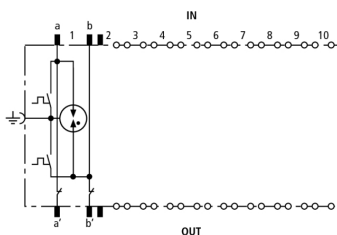
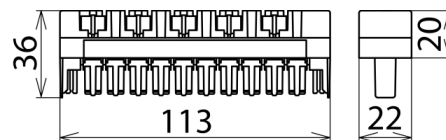


Figure without obligation



Basic circuit diagram DRL 10 B 180 FSD



Dimension drawing DRL 10 B 180 FSD

Lightning current carrying DRL plug-in SPD block (10 pairs) for almost all applications. Expandable to a combined lightning current and surge arrester by means of a DRL protective plug. The integrated disconnection block contacts allow testing, measuring and patching with plugged-in protection. The three-pole gas discharge tubes have a fail-safe function with visual fault indicator.

| Type   | DRL 10 B 180 FSD                        |
|--|---|
| Part No.   | 907 401                                 |
| SPD class  | <b>TYPE C</b>                           |
| Fault indication   | visual, colour change                   |
| Nominal voltage ( $U_N$ )  | 180 V                                   |
| Max. continuous operating voltage (d.c.) ( $U_C$ )                   | 180 V                                   |
| Max. continuous operating voltage (a.c.) ( $U_C$ )                   | 127 V                                   |
| Nominal current ( $I_L$ )  | 0.4 A                                   |
| D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )    | 5 kA                                    |
| D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ ) | 2.5 kA                                  |
| C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )          | 10 kA                                   |
| C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )       | 5 kA                                    |
| Voltage protection level line-line for $I_{imp}$ D1 ( $U_p$ )        | $\leq 500$ V                            |
| Voltage protection level line-PG for $I_{imp}$ D1 ( $U_p$ )          | $\leq 500$ V                            |
| Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )     | $\leq 500$ V                            |
| Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )       | $\leq 450$ V                            |
| Series resistance per line   | $\leq 0.005$ ohms                       |
| Capacitance line-line (C)  | $\leq 5$ pF                             |
| Capacitance line-PG (C)  | $\leq 5$ pF                             |
| Fail-safe function   | gas discharge tube with spring contacts |
| Operating temperature range ( $T_U$ )                                | -40 °C ... +80 °C                       |
| Degree of protection   | IP 10                                   |
| Plugs into   | LSA disconnection block 2/10            |
| Earthing via   | mounting frame                          |
| Enclosure material   | polyamide PA 6.6                        |
| Colour   | grey                                    |
| Test standards   | IEC 61643-21 / EN 61643-21              |
| Approvals  | VdS, EAC                                |
| Weight   | 69 g                                    |
| Customs tariff number  | 85363010                                |
| GTIN   | 4013364107564                           |
| 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.