

# BD-090-T

## SPD - for data, signalling and telecommunications lines / I&C / ST1 (BD) - compact

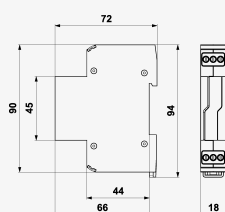
Lightning current arrester for telecommunication and signalling lines

compact device

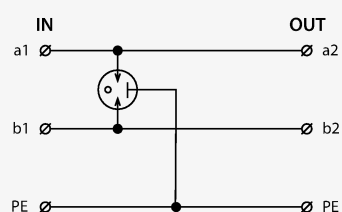
- lightning current arrester of 2-core signalling lines
- installation at the boundary of LPZ 0 and LPZ 1 zones at the line entry into building
- mainly for protection of telecommunication lines against surge voltage



Product dimensions



Basic circuit diagram



| Parameter name  | Parameter value      |
|---|----------------------|
| Type of SPD   | D1,C2                |
| Location of SPD   | ST 1                 |
| Mounting  | DIN rail 35 mm       |
| Maximum operating voltage                                   | $U_c$ 50.00 V AC     |
| Maximum operating voltage                                   | $U_c$ 70.00 V DC     |
| Nominal load current  | $I_L$ 1.600 A        |
| Threshold frequency core-core                               | $f$ 120.00 MHz       |
| D1 impulse discharge current (10/350 $\mu$ s) per core      | $I_{imp}$ 2.50 kA    |
| D1 total discharge current (10/350 $\mu$ s) cores-PE        | $I_{Total}$ 5.00 kA  |
| C2 nominal discharge current (8/20 $\mu$ s) per core        | $I_n$ 10.00 kA       |
| C2 total discharge current (8/20 $\mu$ s) cores-PE          | $I_{Total}$ 20.00 kA |
| C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s   | $U_p$ 550.00 V       |
| C3 voltage protection level mode core-core at 1 kV/ $\mu$ s | $U_p$ 550.00 V       |
| Response time core-core                                     | $t_a$ 100 ns         |
| Response time core-PE                                       | $t_a$ 100 ns         |

|  |  |
|--|--|
| Connection (input - output)                          | <b>terminals-terminals</b>                             |
| Cross-section of connected conductors solid (max)    | <b>6.00 mm<sup>2</sup></b>                             |
| Cross-section of connected conductors stranded (max) | <b>6.00 mm<sup>2</sup></b>                             |
| Degree of protection                                 | <b>IP 20</b>   |
| Range of ambient temperatures (min/max)              | <b>-40 / 70 °C</b>                                     |
| According to standard                                | <b>EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012</b> |
| ETIM Class   | <b>EC001466</b>  |
| Customs tariff number                                | <b>85363030</b>  |
| EAN  | <b>8595090558217</b>                                   |
| Order number   | <b>A05821</b>  |

SALTEK s.r.o., Drážďanská 561/85, 400 07 Ústí nad Labem, CZ | +420 475 655 511 | [info@saltek.cz](mailto:info@saltek.cz) | [www.saltek.eu](http://www.saltek.eu)

Technická podpora: 800 818 818 | [podpora@saltek.cz](mailto:podpora@saltek.cz)

11.06.2026 -  
02:10:00