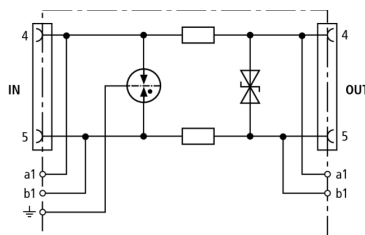


## BVT TC 1 (918 411)

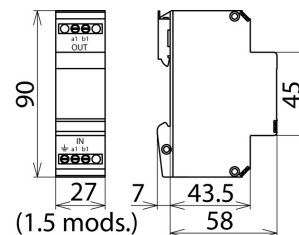
- Pins of RJ sockets compatible with RJ12
- Additional screw terminals for a/b lines
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B - 2$  and higher



Figure without obligation



Basic circuit diagram BVT TC



Dimension drawing BVT TC

Energy-coordinated and leakage-current-free surge arrester for a/b lines, ISDN  $U_{k0}$  or ADSL with RJ45 plugs and additional screw terminals. Pinning of the RJ45 sockets is compatible with RJ11/12. The parallel screw terminals are more robust than the RJ45 sockets and increase the total nominal discharge current to 10 kA.

| Type   | BVT TC 1                              |
|--|---------------------------------------|
| Part No.   | 918 411                               |
| SPD class  | TYPE 2/P2                             |
| Nominal voltage ( $U_N$ )  | 130 V                                 |
| Max. continuous operating voltage (d.c.) ( $U_C$ )                   | 170 V                                 |
| Nominal current ( $I_L$ )  | 0.2 A                                 |
| D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ ) | 1 kA                                  |
| C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )       | 2.5 kA                                |
| C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )          | 5 kA                                  |
| Voltage protection line-line for $I_n$ C2 ( $U_p$ )                  | $\leq 275$ V                          |
| Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )              | $\leq 600$ V                          |
| Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )     | $\leq 240$ V                          |
| Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )       | $\leq 600$ V                          |
| Series resistance per line   | 4.7 ohms                              |
| Cut-off frequency line-line ( $f_c$ )                                | 17 MHz                                |
| Capacitance line-line (C)  | $\leq 300$ pF                         |
| Capacitance line-PG (C)  | $\leq 15$ pF                          |
| Operating temperature range ( $T_U$ )                                | -40 °C ... +80 °C                     |
| Degree of protection   | IP 10                                 |
| For mounting on  | 35 mm DIN rails acc. to EN 60715      |
| Connection (input / output)  | RJ45 or terminals / RJ45 or terminals |
| Pinning  | 4/5                                   |
| Cross-sectional area, solid  | 0.08 - 2.5 mm <sup>2</sup>            |
| Cross-sectional area, flexible                                       | 0.08 - 2.5 mm <sup>2</sup>            |
| Earthing via   | screw terminal                        |
| Enclosure material   | thermoplastic, UL 94 V-0              |
| Colour   | yellow                                |
| Test standards   | IEC 61643-21 / EN 61643-21            |
| Approvals  | EAC                                   |
| Weight   | 99 g                                  |
| Customs tariff number  | 85363010                              |
| GTIN   | 4013364093133                         |
| PU   | 1 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.