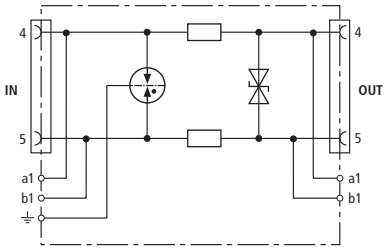
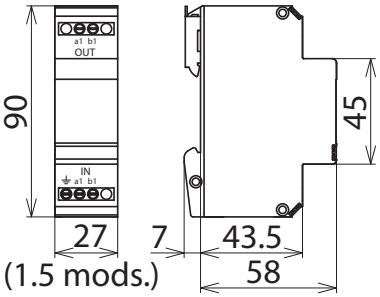
BVT TC 1 (918 411)

- 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





Basic circuit diagram



Dimension drawing

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 DC (U_C)	170 V
Nominal current (I_L)	0.2 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	2.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 275 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 600 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 240 V
Voltage protection level line-PG at 1 kV/µs C3 (U_p)	≤ 600 V
Series impedance per line	4.7 ohms
Cut-off frequency line-line (f_G)	17 MHz
Capacitance line-line (C)	≤ 300 pF
Capacitance line-PG (C)	≤ 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 mm²
Cross-sectional area, flexible	0.08 - 2.5 mm²
Earthing via	screw terminal
Enclosure material	thermoplastic, UL 94 V-0
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21

Masterdata	
Net weight	98.9 g/pc(s)
GTIN	4013364093133
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.