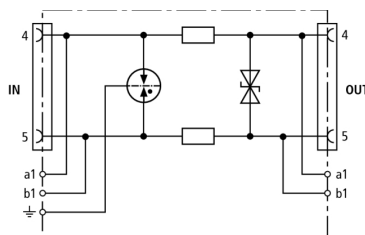


## BVT TC 1 (918 411)

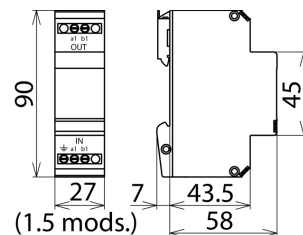
- RJ sockets, compatible with RJ12 pins
- Additional screw terminals for a/b lines
- For installation in conformity with the lightning protection zones concept at the boundaries from  $0_B - 2$  and higher



Figure without obligation



Basic circuit diagram BVT TC 1



Dimension drawing BVT TC 1

Energy-coordinated leakage-current-free surge arrester for a/b lines, ISDN  $U_{k0}$  or ADSL with RJ45 plugs and additional screw terminal connections. 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 d.c. voltage ( $U_C$ )	170 V
Nominal current ( $I_L$ )	200 mA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	5 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	2.5 kA
Voltage protection level 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	-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	GOST
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.