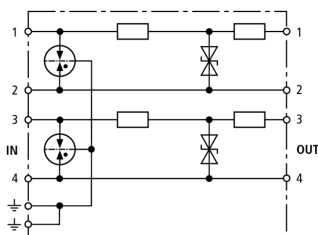


## BVT TTY 24 (918 400)

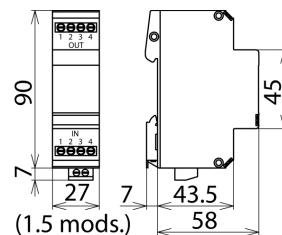
- Simultaneous protection of two TTY loops
- Additional decoupling with regard to the terminal device
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B - 2$  and higher



Figure without obligation



Basic circuit diagram BVT TTY 24



Dimension drawing BVT TTY 24

Owing to the additional decoupling resistors at the output, even diodes with a low absorption capacity integrated in terminal equipment are energy-coordinated with the protection stages. This is especially important for optocoupler interfaces.

Type	BVT TTY 24
Part No.	918 400
SPD class	TYPE 2 Pt
Nominal voltage (d.c.) ( $U_N$ )	24 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	26.8 V
Max. continuous operating voltage(a.c.) ( $U_C$ )	18.9 V
Nominal current ( $I_L$ )	0.1 A
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	0.8 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	10 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
Voltage protection line-line for $I_n$ C2 ( $U_p$ )	$\leq 65$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 700$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 36$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 600$ V
Series resistance per line	17.2 ohms per pair
Cut-off frequency line-line ( $f_c$ )	8 MHz
Capacitance line-line (C)	$\leq 1$ nF
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input / output)	screw / screw
Cross-sectional area, solid	0.08-2.5 mm <sup>2</sup>
Cross-sectional area, flexible	0.08-2.5 mm <sup>2</sup>
Tightening torque (terminals)	0.5 Nm
Earthing via	screw terminal
Enclosure material	thermoplastic, UL 94 V-0
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21, UL 497B
Approvals	CSA, EAC
Weight	104 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364074231
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.