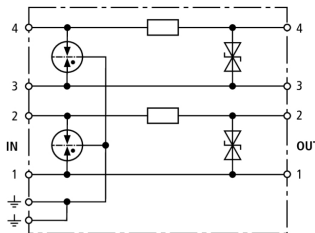


## BVT MTTY 24 (918 407)

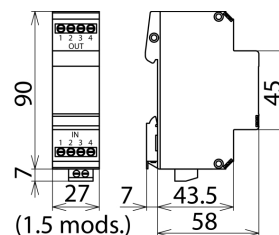
- Cost-effective compact protection
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B - 2$  and higher



Figure without obligation



Basic circuit diagram BVT MTTY 24



Dimension drawing BVT MTTY 24

Energy-coordinated surge arrester, no leakage currents to earth, for two unearthed pairs. Unbalanced use of the decoupling impedance.

Type	BVT MTTY 24
Part No.	918 407
SPD class	TYPE 2P
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) ( $I_n$ )	20 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	2.2 ohms per pair
Cut-off frequency line-line ( $f_c$ )	10 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
Approvals	EAC
Weight	104 g
Customs tariff number	85363010
GTIN	4013364095335
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.