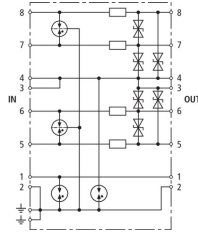


### BVT RS485 5 (918 401)

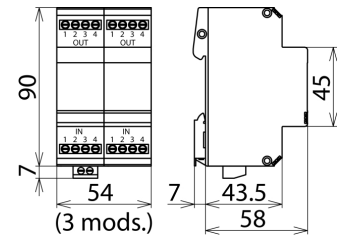
- Terminals for four bus lines and SG
- Direct or indirect shield earthing
- For installation in conformity with the lightning protection zone concept at the boundaries from  $O_b -2$  and higher



Figure without obligation



Basic circuit diagram BVT RS485 5



Dimension drawing BVT RS485 5

Surge arrester for a wide range of applications, e.g. for balanced four-wire RS485/422 interfaces or temperature sensors. Direct or indirect shield earthing, connection of a signal ground (SG).

Type	BVT RS485 5
Part No.	918 401
SPD class	TYPE 2/PI
Nominal voltage (d.c.) ( $U_N$ )	5 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	6 V
Max. continuous operating voltage(a.c.) ( $U_C$ )	4.2 V
Nominal current ( $I_L$ )	0.5 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 ( $U_P$ )	$\leq 20$ 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 ( $U_P$ )	$\leq 8.5$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_P$ )	$\leq 600$ V
Series resistance per line	1.8 ohms
Cut-off frequency line-line ( $f_c$ )	1.7 MHz
Capacitance line-line (C)	$\leq 5$ 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	CSA
Weight	182 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364074224
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.