

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

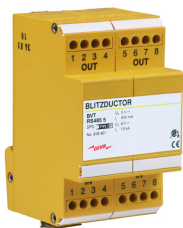
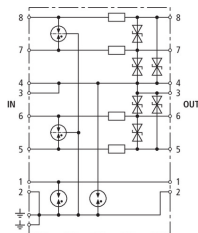
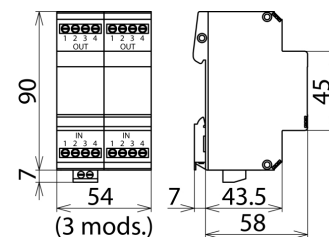


Figure without obligation



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 μ s) per line (I_{imp})	0.8 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	10 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	10 kA
Voltage protection line-line for I_n C2 (U_p)	≤ 20 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 700 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 8.5 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 600 V
Series resistance per line	1.8 ohms
Cut-off frequency line-line (f_c)	1.7 MHz
Capacitance line-line (C)	≤ 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 ²
Cross-sectional area, flexible	0.08-2.5 mm ²
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, EAC
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.