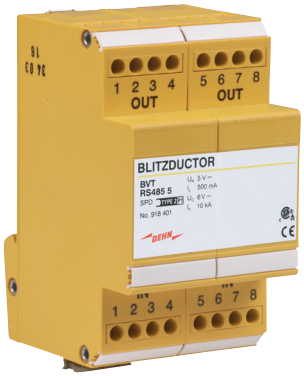
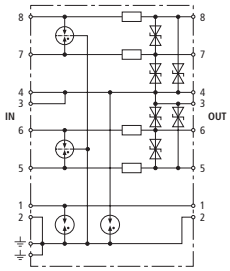
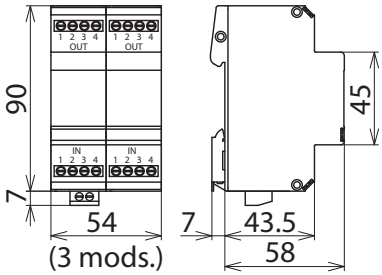
BVT RS485 5 (918 401)

- 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 0_B – 2 and higher





Basic circuit diagram



Dimension drawing

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 P1
Nominal voltage (d.c.) (U_N)	5 V
Max. continuous operating voltage DC (U_C)	6 V
Nominal current (I_L)	0.5 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	0.8 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	10 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
Voltage protection level 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/µs C3 (U_P)	≤ 8.5 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 600 V
Series impedance per line	1.8 ohms
Cut-off frequency line-line (f_G)	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 mm²
Cross-sectional area, flexible	0.08-2.5 mm²
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

Masterdata	
Net weight	182 g/pc(s)
GTIN	4013364074224
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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: Tested • NEU: New • : Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component