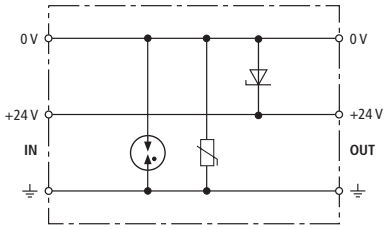
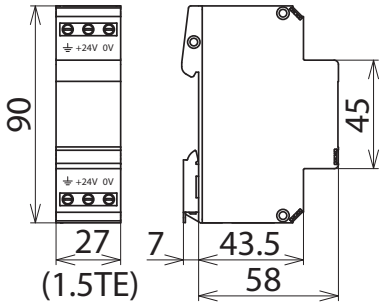
BVT AVD 24 (918 422)

- EMC protection for the 24 V supply of PLCs
- Extremely low protection level
- For installation in conformity with the lightning protection zone concept at the boundaries from 1 – 2 and higher





Basic circuit diagram



Dimension drawing

Surge arresters with improved voltage protection levels for EMC protection of electronic components with d.c. voltage supply. Ideally suited for Siemens PLCs. Since a unipolar diode is used, the polarity of the operating voltage must be observed.

Type	**BVT AVD 24**
Part No.	**918 422**
SPD class	TYPE 3 P1
Nominal voltage (d.c.) (U_N)	24 V
Max. continuous operating voltage DC (U_C)	35 V
Nominal current at 80°C (I_L)	10 A
C2 Nominal discharge current (8/20 µs) per line (I_n)	1 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	2 kA
Voltage protection level line-line for I_n C2 (U_P)	≤ 70 V
Voltage protection level line-PG for I_n C2 (U_P)	≤ 500 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 50 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 450 V
Capacitance line-line (C)	≤ 7 nF
Capacitance line-PG (C)	≤ 1.5 nF
Operating temperature range (T_U)	-40 °C ... +80 °C
Degree of protection	IP 20
For mounting on	35 mm DIN rail acc. to EN 60715
Connection (input / output)	screw / screw
Cross-sectional area, solid	0.5-6.0 mm²
Cross-sectional area, flexible	0.5-4.0 mm²
Tightening torque (terminals)	0.8 nm
Earthing via	screw terminal
Enclosure material	thermoplastic, UL 94 V-0
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21

Masterdata	
Net weight	97.1 g/pc(s)
GTIN	4013364149267
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