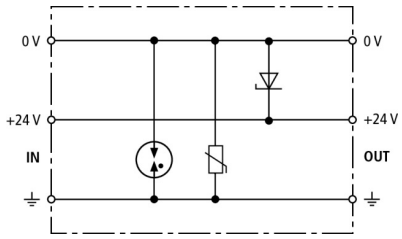
NEW BVT AVD 24 (918 422)

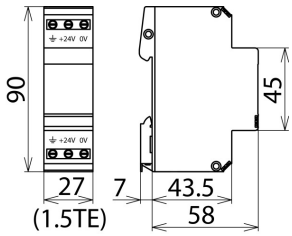
- EMC protection for the 24 V supply of PLCs
- Extremely low protection level
- For installation in conformity with the lightning protection zone concept at the boundaries from 1 – 2 and higher



Figure without obligation



Basic circuit diagram BVT AVD



Dimension drawing BVT AVD

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 Part No.	BVT AVD 24 918 422
SPD class	TYPE 3 P1
Nominal voltage (d.c.) (U_N)	24 V
Max. continuous operating voltage (d.c.) (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 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 mm^2
Cross-sectional area, flexible	0.5-4.0 mm^2
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
Approvals	EAC
Weight	97 g
Customs tariff number	85363010
GTIN	4013364149267
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.