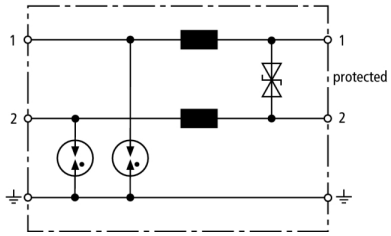
BVT ALD 36 (918 408)

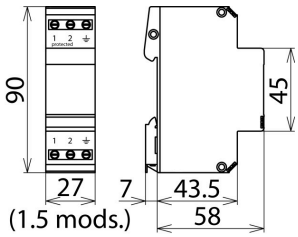
- For d.c. supply systems up to nominal currents of 7 A
- Low voltage protection level
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_A –2 and higher



Figure without obligation



Basic circuit diagram BVT ALD 36



Dimension drawing BVT ALD 36

Energy-coordinated, DIN rail mounted combined lightning current and surge arrester for protecting unearthed d.c. power supply systems.

Type Part No.	BVT ALD 36 918 408
SPD class	TYPE 1 P1
Nominal voltage (d.c.) (U_N)	36 V
Max. continuous operating voltage (d.c.) (U_C)	45 V
Nominal current at 80 °C (I_L)	4 A
Nominal current at 45 °C (I_L)	7 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	2.5 kA
D1 Total lightning impulse current (10/350 µs) (I_{imp})	5 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	10 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	20 kA
Voltage protection line-line for I_n C2 (U_p)	≤ 80 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 1000 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 60 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 650 V
Series resistance per line	22 µH
Capacitance line-line (C)	≤ 1.5 pF
Capacitance line-PG (C)	≤ 100 pF
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	0.5-6.0 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	UL
Weight	110 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364125292
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.