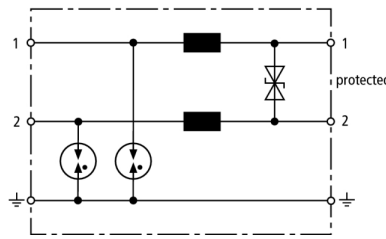


### BVT ALD 60 (918 409)

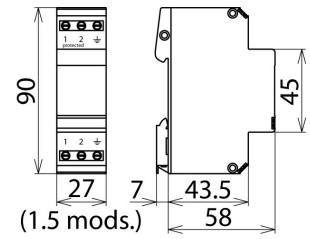
- For d.c. supply systems up to nominal currents of 7 A
- Low voltage protection level
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A -2$  and higher



Figure without obligation



Basic circuit diagram BVT ALD 60



Dimension drawing BVT ALD 60

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

Type Part No.	BVT ALD 60 918 409
SPD class	TYPE 1 Pt
Nominal voltage (d.c.) ( $U_N$ )	60 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	65 V
Nominal current at 80 °C ( $I_L$ )	4 A
Nominal current at 45 °C ( $I_L$ )	7 A
Backup fuse if	$U_N \geq 45$ V and $I_L \geq 1$ A
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	2.5 kA
D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	5 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	10 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA
Voltage protection line-line for $I_n$ C2 ( $U_p$ )	$\leq 120$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 1000$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 90$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 650$ V
Series resistance per line	22 $\mu$ H
Capacitance line-line (C)	$\leq 1.0$ nF
Capacitance line-PG (C)	$\leq 100$ 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 <sup>2</sup>
Cross-sectional area, flexible	0.5-4.0 mm <sup>2</sup>
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	85363010
GTIN	4013364146709
PU	1 Stk

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.