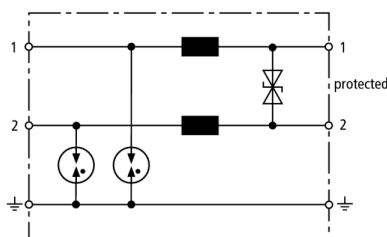


BVT ALD 60 (918 409)

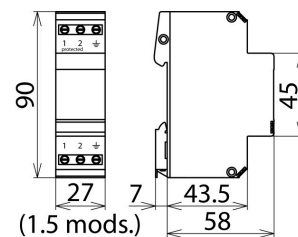
- For d.c. supply systems up to nominal currents of 7 A
- Low voltage protection level
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A -2$ and higher



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 | BVT ALD 60 |
|--|------------------------------------|
| Part No. | 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 μ s) per line (I_{imp}) | 2.5 kA |
| D1 Total lightning impulse current (10/350 μ s) (I_{imp}) | 5 kA |
| C2 Nominal discharge current (8/20 μ s) per line (I_n) | 10 kA |
| C2 Total nominal discharge current (8/20 μ s) (I_n) | 20 kA |
| Voltage protection line-line for I_n C2 (U_p) | ≤ 120 V |
| Voltage protection level line-PG for I_n C2 (U_p) | ≤ 1000 V |
| Voltage protection level line-line at 1 kV/ μ s C3 (U_p) | ≤ 90 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 (U_p) | ≤ 650 V |
| Series resistance per line | 22 μ H |
| Capacitance line-line (C) | ≤ 1.0 nF |
| 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, EAC |
| Weight | 110 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |
| GTIN | 4013364146709 |
| 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.