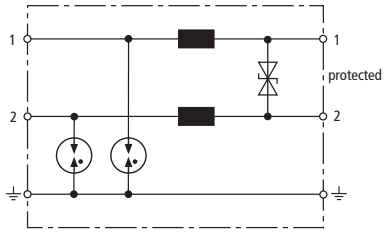
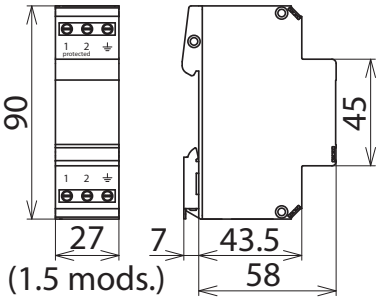
# BVT ALD 60 (918 409)

- 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




Basic circuit diagram




Dimension drawing

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 P1 |
| Nominal voltage (d.c.) ($U_N$) | 60 V |
| Max. continuous operating voltage DC ($U_C$) | 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 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 level 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/µs C3 ($U_P$) | ≤ 90 V |
| Voltage protection level line-PG at 1 kV/µs C3 ($U_P$) | ≤ 650 V |
| Series impedance per line | 22 µH |
| 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 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 |
| Approvals | UL |

| **Masterdata** | |
|---|---|
| Net weight | 110 g/pc(s) |
| GTIN | 4013364146709 |
| 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