

BCO CL2 BD 48 (927 945)

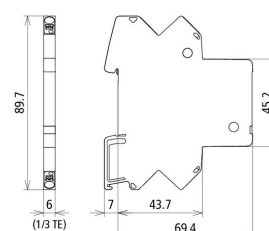
- LifeCheck arrester monitoring and integrated status indication
- Compact two-pole arrester for optimal protection of one pair
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A - 2$ and higher



Figure without obligation



Basic circuit diagram BCO CL2 BD 48



Dimension drawing BCO CL2 BD 48

Space-saving, compact combined arrester with a width of 6 mm and push-in connection technology with status indication for protecting one pair of unearthed balanced interfaces.

| Type | BCO CL2 BD 48 |
|---|---|
| Part No. | 927 945 |
| SPD class | TYPE 2 P2 |
| Impulse category | D1, C1, C2, C3, B2 |
| Nominal voltage (U_N) | 48 V |
| Max. continuous operating voltage (d.c.) (U_C) | 56 V |
| Max. continuous operating voltage (a.c.) (U_C) | 39.6 V |
| Nominal current at 70 °C (I_N) | 0.75 A |
| D1 Total lightning impulse current (10/350 μ s) (I_{imp}) | 3 kA |
| D1 Lightning impulse current (10/350 μ s) per line (I_{imp}) | 1.5 kA |
| C2 Total nominal discharge current (8/20 μ s) (I_n) | 10 kA |
| C2 Nominal discharge current (8/20 μ s) per line (I_n) | 5 kA |
| Voltage protection line-line for I_n C2 (U_p) | ≤ 90 V |
| Voltage protection level line-PG for I_n C2 (U_p) | ≤ 600 V |
| Voltage protection level line-line for I_n C1 (U_p) | ≤ 90 V |
| Voltage protection level line-PG for I_n C1 (U_p) | ≤ 600 V |
| Voltage protection level line-line for 1 kV/ μ s C3 (U_p) | ≤ 70 V |
| Voltage protection level line-PG for 1 kV/ μ s (U_p) | ≤ 600 V |
| Series resistance per line | 1 ohms |
| Cut-off frequency line-line (f_G) | 7.2 MHz |
| Capacitance line-line (C) | ≤ 1 nF |
| Capacitance line-PG (C) | ≤ 16 pF |
| Operating temperature range (T_U) | -40 °C ... +80 °C |
| Operating state / fault indication | green / red |
| Degree of protection | IP 20 |
| For mounting on | 35 mm DIN rails acc. to EN 60715 |
| Connection (input / output) | push-in / push-in |
| Cross-sectional area, solid | 0.2-2.5 mm ² |
| Cross-sectional area, flexible | 0.2-2.5 mm ² |
| Earthing via | 35 mm DIN rails acc. to EN 60715 |
| Enclosure material | polyamide PA 6.6 |
| Colour | yellow |
| Test standards | IEC 61643-21 / EN 61643-21 |
| Approvals | UL, CSA, EAC, ATEX, IECEx, CCC, SIL |
| ATEX approvals | TÜV 20 ATEX 8527 X: II 3G Ex ec IIC T4 Gc |
| IECEx approvals | IECEx TUR 20.0063X: Ex ec IIC T4 Gc |
| China Compulsory Certification | CCC no. 2021312304001192 |
| Extended technical data: | ----- |
| - Max. discharge current (8/20 μ s) [1/2 - PG], [1+2 - PG] (I_{max}) | 20 kA |
| - Discharge current (8/20 μ s) [1/2 - PG], [1+2 - PG] | 10 kA (10x) |
| - Voltage protection level line-PG at 1 kV/ μ s C3 after being subjected to I_{max} (U_p) | ≤ 600 V |
| Weight | 33 g |
| Customs tariff number | 85363010 |
| GTIN | 4013364411807 |

Product Data Sheet: BLITZDUCTORconnect – Compact



| | |
|----------|---------------|
| Type | BCO CL2 BD 48 |
| Part No. | 927 945 |
| 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.