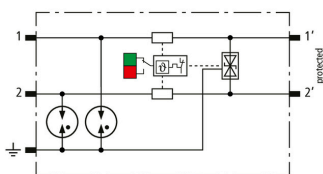


## BCO CL2 BE HF 5 (927 970)

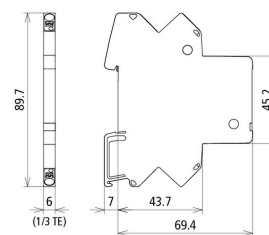
- LifeCheck arrester monitoring and integrated status indication
- Compact two-pole arrester for optimal protection of two single lines of high-frequency signal circuits
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A - 2$  and higher



Figure without obligation



Basic circuit diagram BCO CL2 BE HF 5



Dimension drawing BCO CL2 BE HF 5

Space-saving, modular combined arrester with a width of 6 mm and push-in connection technology with status indication for protecting two single lines of high-frequency transmissions sharing a common reference potential as well as unbalanced interfaces.

| Type  | BCO CL2 BE HF 5                           |
|---|---|
| Part No.  | 927 970                                   |
| SPD class   | <b>TYPE 4 PI</b>                          |
| Impulse category  | D1, C1, C2, C3, B2                        |
| Nominal voltage ( $U_n$ )   | 5 V                                       |
| Max. continuous operating voltage (d.c.) ( $U_c$ )  | 8.5 V                                     |
| Max. continuous operating voltage (a.c.) ( $U_c$ )  | 6.0 V                                     |
| Nominal current at 70 °C ( $I_n$ )  | 0.75 A                                    |
| D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )                                   | 3 kA                                      |
| D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )                                | 1.5 kA                                    |
| C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )   | 10 kA                                     |
| C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )                                      | 5 kA                                      |
| Voltage protection line-line for $I_n$ C2 ( $U_p$ )   | $\leq 50$ V                               |
| Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )   | $\leq 70$ V                               |
| Voltage protection level line-line for $I_n$ C1 ( $U_p$ )   | $\leq 50$ V                               |
| Voltage protection level line-PG for $I_n$ C1 ( $U_p$ )   | $\leq 70$ V                               |
| Voltage protection level line-line for 1 kV/ $\mu$ s C3 ( $U_p$ )                                   | $\leq 15$ V                               |
| Voltage protection level line-PG for 1 kV/ $\mu$ s ( $U_p$ )  | $\leq 15$ V                               |
| Series resistance per line  | 1 ohms                                    |
| Cut-off frequency line-PG ( $f_c$ )   | 100 MHz                                   |
| Capacitance line-line (C)   | $\leq 20$ pF                              |
| Capacitance line-PG (C)   | $\leq 23$ 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 <sup>2</sup>                   |
| Cross-sectional area, flexible  | 0.2-2.5 mm <sup>2</sup>                   |
| 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 $\mu$ s) [1/2 - PG], [1+2 - PG] ( $I_{max}$ )                        | 20 kA                                     |
| - Discharge current (8/20 $\mu$ s) [1/2 - PG], [1+2 - PG]   | 10 kA (10x)                               |
| - Voltage protection level line-PG at 1 kV/ $\mu$ s C3 after being subjected to $I_{max}$ ( $U_p$ ) | $\leq 15$ V                               |
| Weight  | 33 g                                      |
| Customs tariff number   | 85363010                                  |
| GTIN  | 4013364411982                             |

# Product Data Sheet: BLITZDUCTORconnect – Compact



|          |                 |
|----------|-----------------|
| Type     | BCO CL2 BE HF 5 |
| Part No. | 927 970         |
| 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.