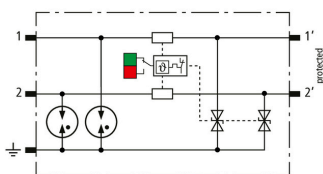


BCO ML2 BE 12 (927 222)

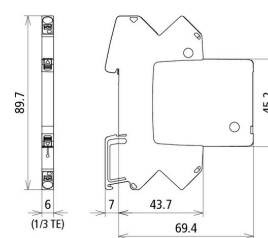
- LifeCheck arrester monitoring and integrated status indication
- Modular two-pole arrester for optimal protection of two single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A -2$ and higher



Figure without obligation



Basic circuit diagram BCO ML2 BE 12



Dimension drawing BCO ML2 BE 12

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

| Type | BCO ML2 BE 12 |
|---|---|
| Part No. | 927 222 |
| SPD class | TYPE 4 PI |
| Impulse category | D1, C1, C2, C3, B2 |
| Nominal voltage (U_n) | 12 V |
| Max. continuous operating voltage (d.c.) (U_c) | 15 V |
| Max. continuous operating voltage (a.c.) (U_c) | 10.6 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 level line-line for I_n C2 (U_p) | ≤ 48 V |
| Voltage protection level line-PG for I_n C2 (U_p) | ≤ 45 V |
| Voltage protection level line-line for I_n C1 (U_p) | ≤ 48 V |
| Voltage protection level line-PG for I_n C1 (U_p) | ≤ 45 V |
| Voltage protection level line-line at 1 kV/ μ s C3 (U_p) | ≤ 38 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 (U_p) | ≤ 20 V |
| Series resistance per line | 1 ohm(s) |
| Cut-off frequency line-line (f_c) | 1.4 MHz |
| Capacitance line-line (C) | $\leq 2,5$ nF pF |
| Capacitance line-PG (C) | ≤ 4 nF pF |
| Operating temperature range (T_U) | -40 °C ... +80 °C |
| Operating state / fault indication | green / red |
| Degree of protection | IP 20 |
| 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) | ≤ 20 V |
| Weight | 34 g |
| Customs tariff number | 85363010 |
| GTIN | 4013364405592 |
| 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.