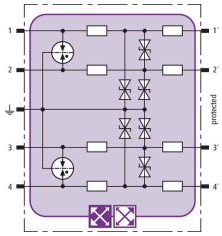
# BXT ML4 BE C 12 (920 362)

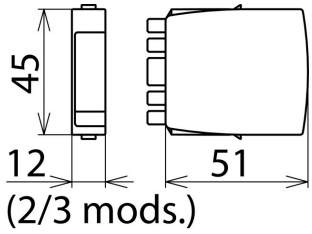
- LifeCheck SPD monitoring function
- Additional decoupling with regard to terminal equipment
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A$ –2 and higher



Figure without obligation



Basic circuit diagram BXT ML4 BE C 12




Dimension drawing BXT ML4 BE C 12

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting two pairs of balanced interfaces with diode protective circuit at the input, current loops (TTY) and optocoupler inputs. If LifeCheck detects thermal or electrical overload, the arrester has to be replaced. This status is indicated contactlessly by the DEHNrecord LC / SCM / MCM reader.

| Type<br>Part No. | BXT ML4 BE C 12<br>920 362 |
|---|---|
| SPD monitoring system | LifeCheck |
| SPD class | TYPE 1 P1 |
| 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 80 °C ($I_L$) | 0.1 A |
| D1 Total lightning impulse current (10/350 µs) ($I_{imp}$) | 10 kA |
| D1 Lightning impulse current (10/350 µs) per line ($I_{imp}$) | 2.5 kA |
| C2 Total nominal discharge current (8/20 µs) ($I_n$) | 20 kA |
| C2 Nominal discharge current (8/20 µs) per line ($I_n$) | 10 kA |
| Voltage protection level line-line for $I_{imp}$ D1 ($U_P$) | ≤ 30 V |
| Voltage protection level line-PG for $I_{imp}$ D1 ($U_P$) | ≤ 35 V |
| Voltage protection level line-line at 1 kV/µs C3 ($U_P$) | ≤ 19 V |
| Voltage protection level line-PG at 1 kV/µs C3 ($U_P$) | ≤ 19 V |
| Series resistance per line | 13.8 ohm(s) |
| Cut-off frequency line-PG ($f_G$) | 0.85 MHz |
| Capacitance line-line (C) | ≤ 3.2 nF |
| Capacitance line-PG (C) | ≤ 3.2 nF |
| Operating temperature range ($T_U$) | -40 °C ... +80 °C |
| Degree of protection (with plugged-in protection module) | IP 20 |
| Pluggable into | BXT BAS / BSP BAS 4 base part |
| Earthing via | BXT BAS / BSP BAS 4 base part |
| Enclosure material | polyamide PA 6.6 |
| Colour | yellow |
| Test standards | IEC 61643-21 / EN 61643-21 |
| Approvals | ATEX, IECEx, CSA & USA Hazloc, SIL |
| SIL classification | up to SIL3 *) |
| ATEX approvals | DEKRA 11ATEX0089 X: II 3 G Ex nA IIC T4 Gc |
| IECEx approvals | DEK 11.0032X: Ex nA IIC T4 Gc |
| CSA & USA Hazloc approvals (1) | 2516389: Class I Div. 2 GP A, B, C, D T4 |
| CSA & USA Hazloc approvals (2) | 2516389: Class I Zone 2, AEx nA IIC T4 |
| China Compulsory Certification | CCC No. 2021312304001155 |
| Weight | 24 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |
| GTIN | 4013364120587 |
| PU | 1 pc(s) |

*)For more detailed information, please visit www.dehn-international.com.

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.