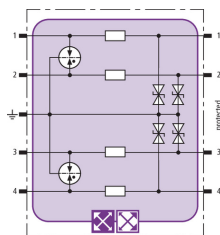


## BXT ML4 BE 48 (920 325)

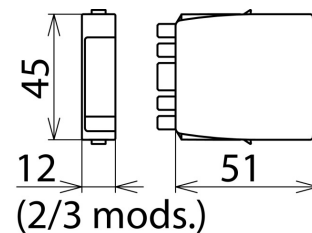
- LifeCheck SPD monitoring function
- Optimal protection of four single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A - 2$  and higher



Figure without obligation



Basic circuit diagram BXT ML4 BE 48



Dimension drawing BXT ML4 BE 48

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting four single lines sharing a common reference potential as well as unbalanced interfaces. 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                                                                 | BXT ML4 BE 48                              |
|----------------------------------------------------------------------|--------------------------------------------|
| Part No.                                                             | 920 325                                    |
| SPD monitoring system                                                | LifeCheck                                  |
| SPD class                                                            | TYPE 1 P1                                  |
| Nominal voltage ( $U_N$ )                                            | 48 V                                       |
| Max. continuous operating voltage (d.c.) ( $U_C$ )                   | 54 V                                       |
| Max. continuous operating voltage (a.c.) ( $U_C$ )                   | 38.1 V                                     |
| Nominal current at 45 °C ( $I_L$ )                                   | 0.75 A                                     |
| D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )    | 10 kA                                      |
| D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ ) | 2.5 kA                                     |
| C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )          | 20 kA                                      |
| C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )       | 10 kA                                      |
| Voltage protection level line-line for $I_{imp}$ D1 ( $U_p$ )        | $\leq 160$ V                               |
| Voltage protection level line-PG for $I_{imp}$ D1 ( $U_p$ )          | $\leq 95$ V                                |
| Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )     | $\leq 140$ V                               |
| Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )       | $\leq 70$ V                                |
| Series resistance per line                                           | 1.8 ohm(s)                                 |
| Cut-off frequency line-PG ( $f_c$ )                                  | 8.7 MHz                                    |
| Capacitance line-line (C)                                            | $\leq 0.35$ nF                             |
| Capacitance line-PG (C)                                              | $\leq 0.7$ 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                 |
| SIL classification                                                   | up to SIL3 <sup>*)</sup>                   |
| 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     |
| Weight                                                               | 24 g                                       |
| Customs tariff number (Comb. Nomenclature EU)                        | 85363010                                   |
| GTIN                                                                 | 4013364109063                              |
| PU                                                                   | 1 pc(s)                                    |

<sup>\*)</sup> For more detailed information, please visit [www.dehn-international.com](http://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.