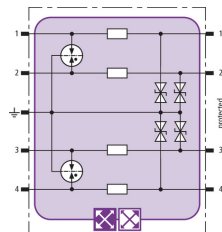


BXT ML4 BE 48 (920 325)

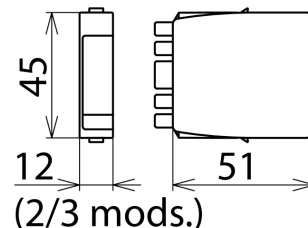
- LifeCheck SPD monitoring function
- Optimal protection of four single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A - 2$ and higher



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_N) | 0.75 A |
| D1 Total lightning impulse current (10/350 μ s) (I_{imp}) | 10 kA |
| D1 Lightning impulse current (10/350 μ s) per line (I_{imp}) | 2.5 kA |
| C2 Total nominal discharge current (8/20 μ s) (I_n) | 20 kA |
| C2 Nominal discharge current (8/20 μ s) per line (I_n) | 10 kA |
| Voltage protection level line-line for I_{imp} D1 (U_p) | ≤ 160 V |
| Voltage protection level line-PG for I_{imp} D1 (U_p) | ≤ 95 V |
| Voltage protection level line-line at 1 kV/ μ s C3 (U_p) | ≤ 140 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 (U_p) | ≤ 70 V |
| Series resistance per line | 1.8 ohm(s) |
| Cut-off frequency line-PG (f_c) | 8.7 MHz |
| Capacitance line-line (C) | ≤ 0.35 nF |
| Capacitance line-PG (C) | ≤ 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, UL 497B |
| Approvals | CSA, UL, EAC, 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 |
| Weight | 24 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |
| GTIN | 4013364109063 |
| 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.