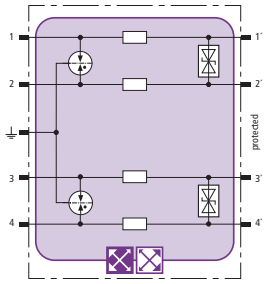
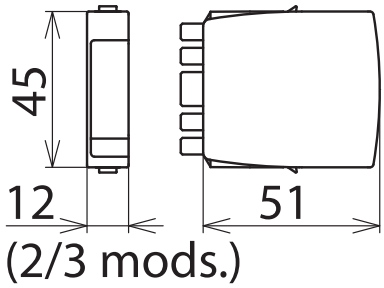
# BXT ML4 BD HF 5 (920 371)

- LifeCheck SPD monitoring function
- Minimal signal interference
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A$ – 2 and higher




Basic circuit diagram




Dimension drawing

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting two pairs of high-frequency bus systems or video transmission systems. 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 BD HF 5** |
| **Part No.** | **920 371** |
| **Standards** | |
| Certification | UL |
| UL Standard | UL 497b |
| UL File Number | E156818 |
| **Test values according to UL 497b** | |
| Type (SPD classification) | BXT ML4 BD HF 5 |
| Strike voltage Line to Ground 100 V/s min. | 70 V |
| Strike voltage Line to Ground 100 V/s max. | 110 V |
| Strike voltage Line to Line 100 V/s min. | 7,5 V |
| Strike voltage Line to Line 100 V/s max. | 11 V |
| Surge voltage Line to Ground 100 V/s min. | 70 V |
| Surge voltage Line to Ground 100 V/s max. | 550 V |
| Surge voltage Line to Line 100 V/s min. | 7,5 V |
| Surge voltage Line to Line 100 V/s max. | 11 V |
| **Technical data** | |
| SPD monitoring system | LifeCheck |
| SPD class | TYPE 1 P1 |
| Nominal voltage ($U_N$) | 5 V |
| Max. continuous operating voltage DC ($U_C$) | 6.0 V |
| Max. continuous operating a.c. voltage ($U_C$) | 4.2 V |
| Nominal current at 45 °C ($I_L$) | 1.0 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 ($U_P$) | ≤ 25 V |
| Voltage protection level line-PG for $I_{imp}$ D1 ($U_P$) | ≤ 550 V |
| Voltage protection level line-line at 1 kV/µs C3 ($U_P$) | ≤ 11 V |
| Voltage protection level line-PG at 1 kV/µs C3 ($U_P$) | ≤ 550 V |
| Series resistance per line | 1.0 Ohm |
| Cut-off frequency line-line ($f_G$) | 100.0 MHz |
| Capacitance line-line (C) | ≤ 25 pF |
| Capacitance line-PG (C) | ≤ 16 pF |
| 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 |

| Technical data | |
|---|---|
| Enclosure material | polyamide PA 6.6 |
| Colour | yellow |
| Test standards | IEC 61643-21 / EN 61643-21 |
| Approvals | CSA, UL 497B, ATEX, IECEx, CCC, 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 |

| Masterdata | |
|---|---|
| Net weight | 23.8 g/pc(s) |
| GTIN | 4013364109094 |
| PU | 1 pc(s) |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

*) For details, see: www.dehn-international.com

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: Tested • NEU: New • : Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component