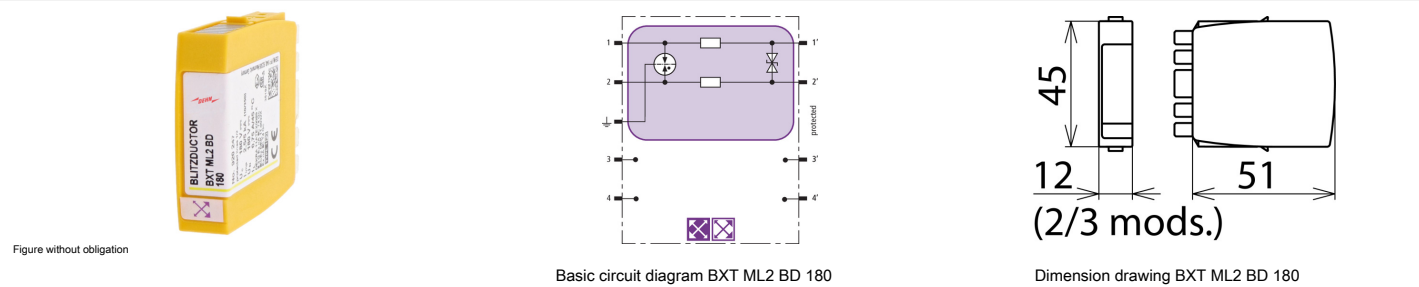


BXT ML2 BD 180 (920 247)

- LifeCheck SPD monitoring function
- Optimal protection of one pair
- For installation in conformity with the lightning protection zone concept at the boundaries from 0<sub>A</sub>–2 and higher



Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting one pair of unearthed balanced 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 ML2 BD 180                             |
|------------------------------------------------------------------------------|--------------------------------------------|
| Part No.                                                                     | 920 247                                    |
| SPD monitoring system                                                        | LifeCheck                                  |
| SPD class                                                                    | TYPE 1 P2                                  |
| Nominal voltage (U <sub>N</sub> )                                            | 180 V                                      |
| Max. continuous operating voltage (d.c.) (U <sub>C</sub> )                   | 180 V                                      |
| Max. continuous operating voltage (a.c.) (U <sub>C</sub> )                   | 127 V                                      |
| Nominal current at 45 °C (I <sub>N</sub> )                                   | 0.75 A                                     |
| D1 Total lightning impulse current (10/350 µs) (I <sub>imp</sub> )           | 5 kA                                       |
| D1 Lightning impulse current (10/350 µs) per line (I <sub>imp</sub> )        | 2.5 kA                                     |
| C2 Total nominal discharge current (8/20 µs) (I <sub>n</sub> )               | 20 kA                                      |
| C2 Nominal discharge current (8/20 µs) per line (I <sub>n</sub> )            | 10 kA                                      |
| Voltage protection level line-line for I <sub>imp</sub> D1 (U <sub>p</sub> ) | ≤ 270 V                                    |
| Voltage protection level line-PG for I <sub>imp</sub> D1 (U <sub>p</sub> )   | ≤ 550 V                                    |
| Voltage protection level line-line at 1 kV/µs C3 (U <sub>p</sub> )           | ≤ 250 V                                    |
| Voltage protection level line-PG at 1 kV/µs C3 (U <sub>p</sub> )             | ≤ 550 V                                    |
| Series resistance per line                                                   | 1.8 ohm(s)                                 |
| Cut-off frequency line-line (f <sub>C</sub> )                                | 25.0 MHz                                   |
| Capacitance line-line (C)                                                    | ≤ 240 pF                                   |
| Capacitance line-PG (C)                                                      | ≤ 16 pF                                    |
| Operating temperature range (T <sub>U</sub> )                                | -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                                                                    | CSA, ATEX, IECEx, CSA & USA Hazloc, SIL    |
| 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     |
| China Compulsory Certification                                               | CCC No. 2021312304001155                   |
| Weight                                                                       | 43 g                                       |
| Customs tariff number (Comb. Nomenclature EU)                                | 85363010                                   |
| GTIN                                                                         | 4013364116078                              |
| 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.