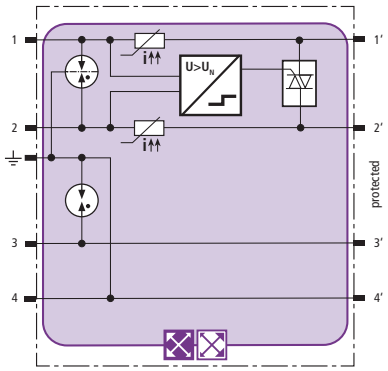
# BLITZDUCTOR XTU – Protection modules with RFID LifeCheck

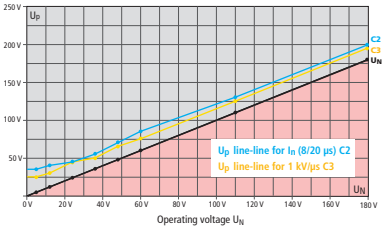
## BXTU ML2 BD S 0-180 (920249)

- Universal voltage type with actiVsense technology
- For installation in conformity with the lightning protection zone concept at boundaries $0_A$ – 2 and higher
- With integrated LifeCheck monitoring




Basic circuit diagram




Dimension drawing

Space-saving combined lightning current and surge arrester module with actiVsense technology and RFID LifeCheck for protecting one pair, direct or indirect shield earthing. Automatically detects the operating voltage of the useful signal and optimally adapts the voltage protection level to it.

| **Type** | **BXTU ML2 BD S 0-180** |
|---|---|
| **Part No.** | **920249** |
| SPD class | TYPE 1 P1 |
| SPD monitoring system | LifeCheck |
| Operating voltage ($U_N$) | 0-180 V |
| Frequency of the operating voltage ($f_{UN}$) | 0-400 Hz |
| Max. continuous operating voltage DC ($U_C$) | 180 V |
| Max. continuous operating a.c. voltage ($U_C$) | 127 V |
| Permissible superimposed signal voltage ($U_{signal}$) | ≤ +/- 5 V |
| Cut-off frequency line-line ($U_{signal}$, balanced 100 ohms) ($f_G$) | 50 MHz |
| Nominal current at 80 °C (equal to max. short-circuit current) ($I_L$) | 100 mA |
| D1 Total lightning impulse current (10/350 µs) ($I_{imp}$) | 9 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 $I_n$ C2 ($U_p$) | see diagram, line C2 |
| Voltage protection level line-line at 1 kV/µs C3 ($U_p$) | see diagram, line C3 |
| Voltage protection level line-line for $I_{imp}$ D1 ($U_p$) | ≤ $U_N$ + 53 V |
| Voltage protection level line-PG for C2/C3/D1 ($U_p$) | ≤ 550 V |
| Series resistance per line | ≤ 10 ohms; typically 7.5 Ohm |
| Capacitance line-line (C) | ≤ 80 pF |
| Capacitance line-PG (C) | ≤ 25 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 |
| Enclosure material | Polyamide PA 6.6 |
| Colour | yellow |
| Test standards | IEC 61643-21 / EN 61643-21 |
| Approvals | CSA, UL 497B, SIL |
| SIL classification | up to SIL3 *) |

| Masterdata | |
|---|---|
| Net weight | 1 pc(s)/st |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |
| GTIN | 4013364127845 |
| PU | 1 st |

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