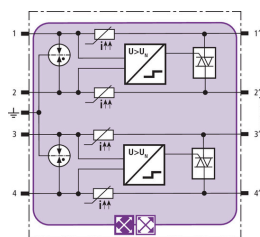


BXTU ML4 BD 0-180 (920 349)

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



Figure without obligation



Basic circuit diagram BXTU ML4 BD 0-180

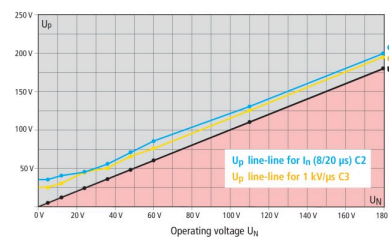


Diagram of the voltage protection level BXTU

Space-saving combined lightning current and surge arrester module with actiVsense technology and RFID LifeCheck for protecting two pairs (same or different operating voltage) of balanced interfaces with galvanic isolation. Automatically detects the operating voltage of the useful signal and optimally adapts the voltage protection level to it.

| Type | BXTU ML4 BD 0-180 |
|--|-------------------------------------|
| Part No. | 920 349 |
| 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 (d.c.) (U_C) | 180 V |
| Max. continuous operating voltage (a.c.) (U_C) | 127 V |
| Permissible superimposed signal voltage (U_{signal}) | $\leq \pm 5$ V |
| Cut-off frequency line-line (U_{signal} , balanced 100 ohms) (f_c) | 50 MHz |
| Nominal current at 80 °C (equal to max. short-circuit current) (I_L) | 100 mA |
| 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_n C2 (U_p) | see diagram, line C2 |
| Voltage protection level line-line at 1 kV/ μ s C3 (U_p) | see diagram, line C3 |
| Voltage protection level line-line for I_{imp} D1 (U_p) | $\leq U_N + 53$ V |
| Voltage protection level line-PG for C2/C3/D1 | ≤ 550 V |
| Series resistance per line | ≤ 10 ohms; typically 7.5 ohms |
| Capacitance line-line (C) | ≤ 80 pF |
| Capacitance line-PG (C) | ≤ 16 pF |
| Operating temperature range (T_U) | -40 °C ... +80 °C |
| Degree of protection (plugged-in) | 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, SIL |
| SIL classification | up to SIL3 ^{*)} |
| Weight | 25 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |
| GTIN | 4013364126404 |
| 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.