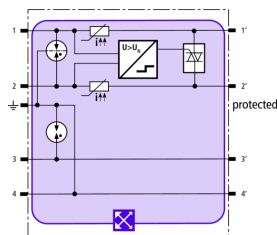


BXTU ML2 BD S 0-180 (920 249)



Figure without obligation



Basic circuit diagram BXTU ML2 BD S 0-180

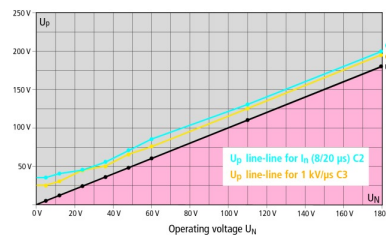


Diagram of the voltage protection level BXTU

| Type | BXTU ML2 BD S 0-180 |
|---|-------------------------------------|
| Part No. | 920 249 |
| SPD class | TYPE 1 PI |
| 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}) | ≤ +/- 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 _n) | 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 | ≤ 550 V |
| Series resistance per line | ≤ 10 ohms; typically 7.5 ohms |
| Capacitance line-line (C) | ≤ 80 pF |
| Capacitance line-PG (C) | ≤ 25 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 | 23 g |
| Customs tariff number | 85363010 |
| GTIN | 4013364127845 |
| 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.