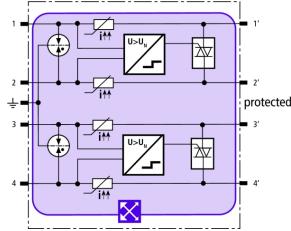


## BXTU ML4 BD 0-180 (920 349)

- Universal voltage type with actiVsense technology
- For installation in conformity with the lightning protection zone concept at the boundaries from 0<sub>A</sub> – 2 and higher
- With integrated LifeCheck monitoring



Figure without obligation



Basic circuit diagram BXTU ML4 BD 0-180

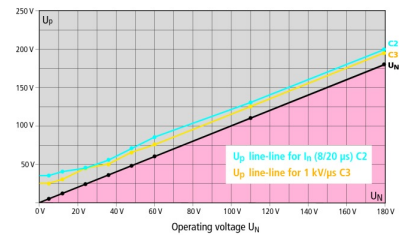


Diagram of the voltage protection level BXTU

Space-saving combined lightning current and surge arrester module with actiVsense and LifeCheck technology for protecting two pairs with the same or a different operating voltage of galvanically isolated balanced interfaces. 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 Pt
SPD monitoring system	LifeCheck
Operating voltage (U <sub>N</sub> )	0-180 V
Frequency of the operating voltage (f <sub>UN</sub> )	0-400 Hz
Max. continuous operating d.c. voltage (U <sub>C</sub> )	180 V
Max. continuous operating a.c. voltage (U <sub>C</sub> )	127 V
Permissible superimposed signal voltage (U <sub>signal</sub> )	≤ +/- 5 V
Cut-off frequency line-line (U <sub>signal</sub> , balanced 100 ohms) (f <sub>c</sub> )	50 MHz
Nominal current at 80 °C (equal to max. short-circuit current) (I <sub>L</sub> )	100 mA
D1 Total lightning impulse current (10/350 μs) (I <sub>imp</sub> )	10 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>n</sub> C2 (U <sub>p</sub> )	see diagram, line C2
Voltage protection level line-line at 1 kV/μs C3 (U <sub>p</sub> )	see diagram, line C3
Voltage protection level line-line for I <sub>imp</sub> D1 (U <sub>p</sub> )	≤ U <sub>N</sub> + 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 <sub>U</sub> )	-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
SIL classification	up to SIL3 <sup>*)</sup>
Approvals	CSA, UL, GOST
Weight	25 g
Customs tariff number	85363010
GTIN	4013364126404
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.