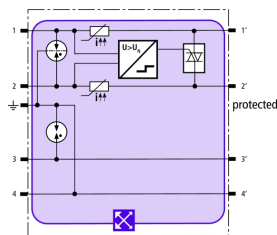


## BXTU ML2 BD S 0-180 (920 249)



Figure without obligation



Basic circuit diagram BXTU ML2 BD S 0-180

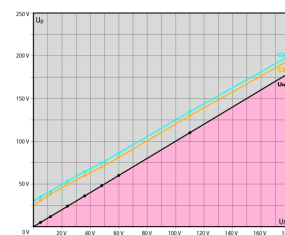


Diagram of the voltage protection level BXTU

Type	BXTU ML2 BD S 0-180
Part No.	920 249
SPD class	<b>TYPE 1 PI</b>
SPD monitoring system	LifeCheck
Operating voltage ( $U_N$ )	0 - 180 V
Frequency of the operating voltage ( $f_{UN}$ )	0 - 400 Hz
Max. continuous operating d.c. voltage ( $U_C$ )	180 V
Max. continuous operating a.c. voltage ( $U_C$ )	127 V
Permissible superimposed signal voltage ( $U_{signal}$ )	$\leq \pm 5$ V
Nominal current at 80° C (corresponds to max. short-circuit current) ( $I_L$ )	100 mA
D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	9 kA
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	2.5 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA
C2 Nominal discharge current (8/20 $\mu$ 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/ $\mu$ 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	$\leq 550$ V
Series resistance per line	$\leq 10$ ohms; typically 7.5 ohms
Capacitance line-line (C)	$\leq 80$ pF
Capacitance line-PG (C)	$\leq 25$ pF
Operating temperature range	-40°C...+80°C
Degree of protection (with plugged-in protection module)	IP 20
Pluggable into	BXT BAS base part
Earthing via	BXT BAS base part
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21, UL 497B
SIL classification	SIL 1 / SIL 2 <sup>*)</sup>
Approvals	CSA, UL, GOST
Weight	23 g
Customs tariff number	85363010
GTIN	4013364127845
PU	1 pc(s)

<sup>\*)</sup> For more detailed information, please visit [www.dehn.de/en/sil/](http://www.dehn.de/en/sil/)

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.