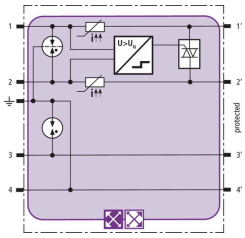
BXTU ML2 BD S 0-180 (920 249)



Figure without obligation



Basic circuit diagram BXTU ML2 BD S 0-180

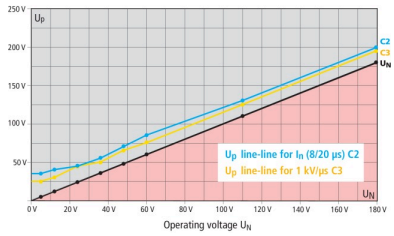


Diagram of the voltage protection level BXTU

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 Part No.	BXTU ML2 BD S 0-180 920 249
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})	≤ +/- 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	≤ 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
Approvals	CSA, UL, SIL
SIL classification	up to SIL3 *)
Weight	23 g
Customs tariff number (Comb. Nomenclature EU)	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.