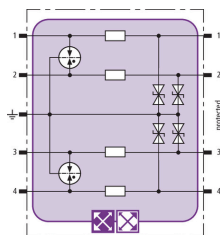


## BXT ML4 BE 12 (920 322)

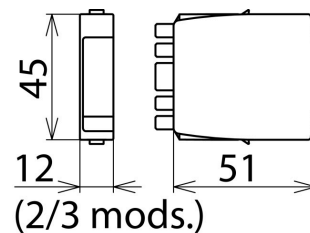
- LifeCheck SPD monitoring function
- Optimal protection of four single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A - 2$  and higher



Figure without obligation



Basic circuit diagram BXT ML4 BE 12



Dimension drawing BXT ML4 BE 12

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting four single lines sharing a common reference potential as well as unbalanced interfaces. If LifeCheck detects thermal or electrical overload, the arrester has to be replaced. This status is indicated contactlessly by the DEHNrecord LC / SCM / MCM reader.

Type	BXT ML4 BE 12
Part No.	920 322
SPD monitoring system	LifeCheck
SPD class	TYPE 1 Pt
Nominal voltage ( $U_N$ )	12 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	15 V
Max. continuous operating voltage (a.c.) ( $U_C$ )	10.6 V
Nominal current at 45 °C ( $I_N$ )	0.75 A
D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	10 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 $I_{imp}$ D1 ( $U_p$ )	$\leq 50$ V
Voltage protection level line-PG for $I_{imp}$ D1 ( $U_p$ )	$\leq 37$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 38$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 19$ V
Series resistance per line	1.8 ohm(s)
Cut-off frequency line-PG ( $f_c$ )	2.7 MHz
Capacitance line-line (C)	$\leq 1.0$ nF
Capacitance line-PG (C)	$\leq 2.0$ nF
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection (with plugged-in protection module)	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 497B, ATEX, IECEx, CSA & USA Hazloc, SIL
SIL classification	up to SIL3 <sup>*)</sup>
ATEX approvals	DEKRA 11ATEX0089 X: II 3 G Ex nA IIC T4 Gc
IECEx approvals	DEK 11.0032X: Ex nA IIC T4 Gc
CSA & USA Hazloc approvals (1)	2516389: Class I Div. 2 GP A, B, C, D T4
CSA & USA Hazloc approvals (2)	2516389: Class I Zone 2, AEx nA IIC T4
China Compulsory Certification	CCC No. 2021312304001155
Weight	24 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364109049
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.