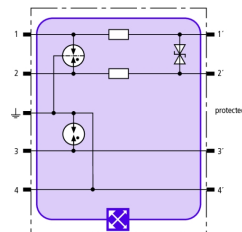


## BXT ML2 BD S 48 (920 245)

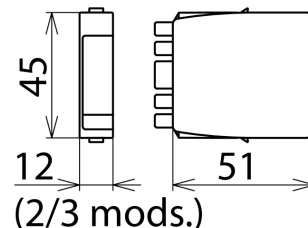
- LifeCheck SPD monitoring function
- Optimal protection of one pair and line shield
- For installation in conformity with the lightning protection zones concept at the boundaries from  $0_A -2$  and higher



Figure without obligation



Basic circuit diagram BXT ML2 BD S 24 48



Dimension drawing BXT ML2 BD S 48

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting one pair of unearthed balanced interfaces with direct or indirect shield earthing. If LifeCheck detects thermal or electrical overload, the arrester has to be replaced. This status is indicated contactlessly by the DEHNrecord LC / MCM reader.

Type	BXT ML2 BD S 48
Part No.	920 245
SPD class	<b>TYPE 1 Pt</b>
SPD monitoring system	LifeCheck
Nominal voltage ( $U_N$ )	48 V
Max. continuous operating d.c. voltage ( $U_C$ )	54 V
Max. continuous operating a.c. voltage ( $U_C$ )	38.1 V
Nominal current at 45°C ( $I_L$ )	1.0 A
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 $I_{imp}$ D1 ( $U_p$ )	$\leq 80$ V
Voltage protection level line-PG for $I_{imp}$ D1 ( $U_p$ )	$\leq 550$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 70$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 550$ V
Series resistance per line	1.0 ohm(s)
Cut-off frequency line-line ( $f_c$ )	8.7 MHz
Capacitance line-line (C)	$\leq 0.7$ nF
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	base part
Earthing via	base part
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
SIL classification	SIL2 / 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
Approvals	CSA, GOST, VdS
Weight	36 g
Customs tariff number	85363010
GTIN	4013364118386
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.