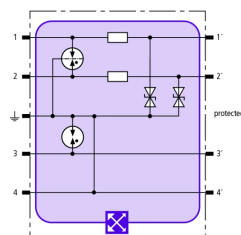


## BXT ML2 BE S 12 (920 222)

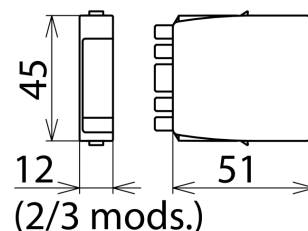
- LifeCheck SPD monitoring function
- Optimal protection of two single lines and line shield
- For use in conformity with the lightning protection zones concept at the boundaries from  $0_A - 2$  and higher



Figure without obligation



Basic circuit diagram BXT ML2 BE S 12



Dimension drawing BXT ML2 BE S 12

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting two single lines with common reference potential as well as unbalanced 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 BE S 12
Part No.	920 222
SPD class	<b>TYPE 1 PI</b>
SPD monitoring system	LifeCheck
Nominal voltage ( $U_N$ )	12 V
Max. continuous operating d.c. voltage ( $U_C$ )	15 V
Max. continuous operating a.c. voltage ( $U_C$ )	10.6 V
Nominal current at 45°C ( $I_L$ )	0.75 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 ( $U_p$ )	$\leq 50$ 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	-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, UL 497B
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	21 g
Customs tariff number	85363010
GTIN	4013364118355
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.