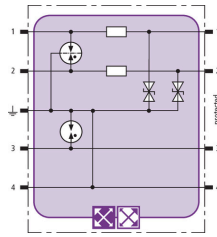


## BXT ML2 BE S 36 (920 226)

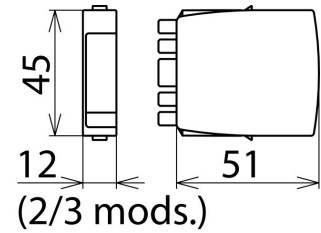
- LifeCheck SPD monitoring function
- Optimal protection of two single lines and the cable shield
- For use in conformity with the lightning protection zone concept at the boundaries from  $0_A -2$  and higher



Figure without obligation



Basic circuit diagram BXT ML2 BE S 36



Dimension drawing BXT ML2 BE S 36

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting two single lines sharing a 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 / SCM / MCM reader.

Type	BXT ML2 BE S 36
Part No.	920 226
SPD monitoring system	LifeCheck
SPD class	TYPE 1 Pt
Nominal voltage ( $U_N$ )	36 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	45 V
Max. continuous operating voltage (a.c.) ( $U_C$ )	31 V
Nominal current at 45 °C ( $I_N$ )	1.8 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 ( $U_p$ )	$\leq 140$ V
Voltage protection level line-PG for $I_{imp}$ D1 ( $U_p$ )	$\leq 85$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 112$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 56$ V
Series resistance per line	0.43 ohm(s)
Cut-off frequency line-PG ( $f_c$ )	3.8 MHz
Capacitance line-line (C)	$\leq 0.8$ nF
Capacitance line-PG (C)	$\leq 1.6$ 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	UL 497B, SIL
SIL classification	up to SIL3 <sup>*)</sup>
Weight	23 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364142121
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.