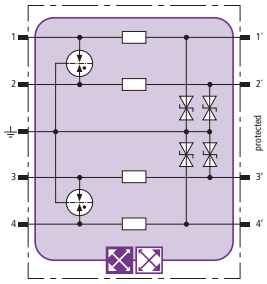
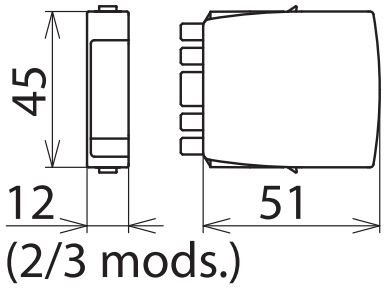
BXT ML4 BE 24 (920324)

- 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





Basic circuit diagram



Dimension drawing

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 24**
Part No.	**920324**
Standards	
Certification	UL
UL Standard	UL 497b
UL File Number	E156818
Test values according to UL 497b	
Type (SPD classification)	BXT ML4 BE 24
Strike voltage Line to Ground 100 V/s min.	35 V
Strike voltage Line to Ground 100 V/s max.	42 V
Strike voltage Line to Line 100 V/s min.	70 V
Strike voltage Line to Line 100 V/s max.	83 V
Surge voltage Line to Ground 100 V/s min.	35 V
Surge voltage Line to Ground 100 V/s max.	45 V
Surge voltage Line to Line 100 V/s min.	70 V
Surge voltage Line to Line 100 V/s max.	90 V
Technical data	
SPD monitoring system	LifeCheck
SPD class	TYPE 1 P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage DC (U_C)	33 V
Max. continuous operating a.c. voltage (U_C)	23.3 V
Nominal current at 45 °C (I_L)	0.75 A
D1 Total lightning impulse current (10/350 µs) (I_{imp})	10 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_{imp} D1 (U_P)	≤ 102 V
Voltage protection level line-PG for I_{imp} D1 (U_P)	≤ 66 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 90 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 45 V
Series resistance per line	1.8 Ohm
Cut-off frequency line-PG (f_G)	6.8 MHz
Capacitance line-line (C)	≤ 0.5 nF
Capacitance line-PG (C)	≤ 1.0 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

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Technical data	
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	CSA, UL 497B, ATEX, IECEx, CCC, CSA & USA Hazloc, SIL
SIL classification	up to SIL3 *)
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

Masterdata	
Net weight	38 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364109056
PU	1 pc(s)

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

*) For details, see: www.dehn-international.com

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