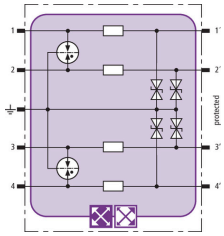
BXT ML4 BE 180 (920 327)

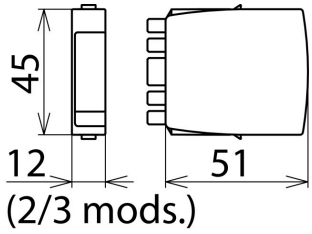
- LifeCheck SPD monitoring function
- Optimal protection of four single lines
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_A – 2 and higher



Figure without obligation



Basic circuit diagram BXT ML4 BE 180



Dimension drawing BXT ML4 BE 180

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 180
Part No.	920 327
SPD monitoring system	LifeCheck
SPD class	TYPE 1 P2
Nominal voltage (U_N)	180 V
Max. continuous operating voltage (d.c.) (U_C)	180 V
Max. continuous operating voltage (a.c.) (U_C)	127 V
Nominal current at 45 °C (I_L)	1.0 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)	≤ 520 V
Voltage protection level line-PG for I_{imp} D1 (U_P)	≤ 300 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 500 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 250 V
Series resistance per line	1.0 ohm(s)
Cut-off frequency line-PG (f_G)	25.0 MHz
Capacitance line-line (C)	≤ 120 pF
Capacitance line-PG (C)	≤ 240 pF
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 *)
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	4013364109087
PU	1 pc(s)

*) For more detailed information, please visit 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.